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RECLAMATION

To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this May 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 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 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 May 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 to be the Lower Elevation Balancing Tier and the water year release volume from Lake Powell is projected to be 7.58 maf. Additionally, the May 2022 24-Month Study projects 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

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>.

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, Reclamation 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 April was 0.594 maf or 66 percent of the 30-year average from 1991 to 2020. The May unregulated inflow forecast for Lake Powell is 1.450 maf or 70 percent of the 30-year average. The 2022 April through July unregulated inflow forecast is 3.800 maf or 59 percent of average.

In this study, the calendar year 2022 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.117 maf. The calendar year 2022 diversion for the Central Arizona Project (CAP) is projected to be 0.954 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
	Jan	Feb	Mar	Apr	%Avg	May	Jun	Jul	Apr-Jul	%Avg
Lake Powell	249	215	329	594	66%	1450	1410	346	3800	59%
Fontenelle	29	23	46	50	59%	90	225	110	475	65%
Flaming Gorge	33	30	74	66	53%	105	260	119	550	57%
Blue Mesa	19.8	18.2	30	62	79%	170	190	68	490	77%
Morrow Point	21	19	31	65	74%	185	200	65	515	75%
Crystal	25	22	36	73	74%	205	215	67	560	73%
Taylor Park	3.9	3.3	4.1	7.9	90%	27	40	15.1	90	96%
Vallecito	3.7	3.2	7.1	27	115%	60	24	10	121	68%
Navajo	13.5	13.9	41	123	84%	190	64	3	380	60%
Lemon	0.56	0.47	1.07	5.4	97%	15	7	2.6	30	63%
McPhee	2.6	2.3	9.8	41	67%	62	24	9	136	53%
Ridgway	3.4	2.8	4.5	7	71%	20	25	10	62	67%
Deerlodge	18.9	17	55	123	60%	465	315	52	955	80%
Durango	8.9	7.3	12	35	71%	110	85	30	260	68%

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_05_ucb.pdf.



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)	
*	May 2021	76	1	49	0	49	6478.67	152
H	Jun 2021	143	2	42	0	42	6494.76	251
I	Jul 2021	45	2	43	0	43	6494.70	250
S	Aug 2021	35	2	41	0	41	6493.52	242
T	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
O	Oct 2021	37	1	33	4	37	6491.62	229
R	Nov 2021	39	1	43	0	43	6491.01	225
I	Dec 2021	29	1	50	0	50	6487.63	203
C	Jan 2022	29	1	51	0	51	6483.90	180
A	Feb 2022	23	1	46	0	46	6479.63	157
L	Mar 2022	46	1	50	0	50	6478.63	151
*	Apr 2022	50	1	5	44	49	6478.74	152
	May 2022	90	1	81	0	81	6480.22	167
	Jun 2022	225	2	95	0	95	6499.58	295
	Jul 2022	110	3	74	0	74	6503.94	328
	Aug 2022	45	2	66	0	66	6500.92	305
	Sep 2022	35	2	61	0	61	6497.19	277
	WY 2022	758	15	655	48	703		
	Oct 2022	42	1	63	0	63	6494.04	255
	Nov 2022	41	1	61	0	61	6491.02	234
	Dec 2022	32	1	63	0	63	6486.12	202
	Jan 2023	30	1	63	0	63	6480.47	169
	Feb 2023	28	1	57	0	57	6474.59	139
	Mar 2023	50	0	64	0	64	6471.47	125
	Apr 2023	77	1	35	37	72	6472.41	129
	May 2023	167	1	90	0	90	6486.58	205
	Jun 2023	303	2	104	104	208	6499.89	297
	Jul 2023	147	3	102	14	116	6503.62	326
	Aug 2023	58	2	61	0	61	6502.94	321
	Sep 2023	38	2	60	0	60	6499.94	298
	WY 2023	1013	15	822	156	977		
	Oct 2023	44	1	61	0	61	6497.46	279
	Nov 2023	42	1	66	0	66	6494.01	255
	Dec 2023	32	1	68	0	68	6488.52	217
	Jan 2024	30	1	68	0	68	6482.27	179
	Feb 2024	28	1	64	0	64	6475.26	142
	Mar 2024	50	0	67	0	67	6471.52	125
	Apr 2024	77	1	71	0	71	6472.63	130

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

Model Run ID: 3189

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir

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	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)	
Date											
*	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
H	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
I	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
S	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
T	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835			1430	
O	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
R	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
I	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
C	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
A	Feb 2022	30	53	2	47	0	47	117	6017.87	2905	70
L	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
*	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
	May 2022	105	96	7	163	0	163	115	6016.69	2799	628
	Jun 2022	260	130	9	148	0	148	114	6015.91	2774	463
	Jul 2022	119	83	11	74	0	74	114	6015.82	2771	126
	Aug 2022	50	71	11	105	0	105	113	6014.51	2728	117
	Sep 2022	37	63	9	104	0	104	111	6013.01	2680	116
	WY 2022	890	836	70	977	0	977			2166	
	Oct 2022	47	69	6	96	0	96	109	6012.01	2648	120
	Nov 2022	47	67	3	92	0	92	108	6011.16	2621	121
	Dec 2022	33	64	1	89	0	89	107	6010.35	2595	114
	Jan 2023	40	73	1	89	0	89	107	6009.81	2578	114
	Feb 2023	41	71	2	81	0	81	106	6009.46	2567	106
	Mar 2023	87	100	2	89	0	89	107	6009.72	2575	163
	Apr 2023	113	108	4	73	0	73	108	6010.66	2605	276
	May 2023	244	167	6	121	0	121	109	6011.86	2643	634
	Jun 2023	392	297	9	163	0	163	114	6015.60	2763	529
	Jul 2023	160	128	11	64	0	64	116	6017.14	2814	124
	Aug 2023	65	68	11	74	0	74	115	6016.67	2799	93
	Sep 2023	42	64	9	71	0	71	115	6016.16	2782	84
	WY 2023	1311	1275	66	1102	0	1102			2478	
	Oct 2023	52	69	6	73	0	73	114	6015.84	2772	99
	Nov 2023	49	73	3	65	0	65	115	6015.98	2776	95
	Dec 2023	33	69	1	68	0	68	115	6015.98	2776	92
	Jan 2024	40	78	1	68	0	68	115	6016.25	2785	92
	Feb 2024	41	78	2	63	0	63	115	6016.61	2797	88
	Mar 2024	87	103	3	52	0	52	117	6018.01	2843	126
	Apr 2024	113	107	4	51	0	51	119	6019.51	2894	253



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)
*	May 2021	16	10	9310.13
H	Jun 2021	24	16	9314.87
I	Jul 2021	11	16	9311.57
S	Aug 2021	7	15	9306.36
T	Sep 2021	4	10	9302.48
	WY 2021	92	102	
O	Oct 2021	5	5	9302.69
R	Nov 2021	4	4	9302.58
I	Dec 2021	5	5	9302.55
C	Jan 2022	4	4	9302.29
A	Feb 2022	3	4	9301.88
L	Mar 2022	4	4	9301.56
*	Apr 2022	8	6	9302.96
	May 2022	27	12	9312.49
	Jun 2022	40	22	9322.86
	Jul 2022	15	21	9319.83
	Aug 2022	9	17	9315.37
	Sep 2022	7	13	9311.24
	WY 2022	130	117	
	Oct 2022	6	6	9311.52
	Nov 2022	5	5	9311.30
	Dec 2022	4	5	9310.80
	Jan 2023	5	5	9310.46
	Feb 2023	4	5	9309.93
	Mar 2023	5	5	9309.55
	Apr 2023	9	9	9309.61
	May 2023	26	15	9316.31
	Jun 2023	40	18	9328.14
	Jul 2023	15	21	9325.01
	Aug 2023	8	18	9319.80
	Sep 2023	7	18	9313.46
	WY 2023	134	130	
	Oct 2023	7	9	9312.02
	Nov 2023	5	5	9311.87
	Dec 2023	4	5	9311.37
	Jan 2024	5	5	9311.04
	Feb 2024	4	5	9310.51
	Mar 2024	5	5	9310.13
	Apr 2024	9	9	9310.19

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir

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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)	
*	May 2021	90	83	1	96	2	98	7457.14	350
H	Jun 2021	127	119	1	77	0	77	7463.84	391
I	Jul 2021	53	58	1	98	0	98	7457.21	350
S	Aug 2021	45	53	1	93	0	93	7450.20	310
T	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
O	Oct 2021	27	26	0	58	0	58	7429.52	209
R	Nov 2021	27	27	0	16	0	16	7431.94	220
I	Dec 2021	22	22	0	11	0	11	7434.40	231
C	Jan 2022	20	20	0	14	0	14	7435.60	236
A	Feb 2022	18	19	0	14	0	14	7436.57	241
L	Mar 2022	30	30	0	32	0	32	7436.17	239
*	Apr 2022	62	60	0	44	0	46	7438.94	252
	May 2022	170	155	1	72	0	72	7454.62	335
	Jun 2022	190	172	1	58	0	58	7472.33	447
	Jul 2022	68	74	1	87	0	87	7470.15	433
	Aug 2022	45	53	1	77	0	77	7466.35	407
	Sep 2022	31	38	1	32	47	79	7459.65	365
	WY 2022	708	695	6	516	47	565		
	Oct 2022	33	33	0	0	78	78	7451.84	319
	Nov 2022	30	30	0	0	16	16	7454.30	333
	Dec 2022	26	27	0	16	0	16	7456.25	345
	Jan 2023	25	26	0	16	0	16	7457.87	354
	Feb 2023	23	24	0	14	0	14	7459.53	364
	Mar 2023	38	38	0	18	0	18	7462.79	384
	Apr 2023	78	78	1	29	0	29	7470.19	433
	May 2023	203	192	1	56	0	56	7488.73	568
	Jun 2023	250	228	1	137	0	137	7499.87	657
	Jul 2023	86	93	1	76	0	76	7501.73	673
	Aug 2023	56	65	1	79	0	79	7499.94	658
	Sep 2023	35	46	1	77	0	77	7496.07	626
	WY 2023	884	880	8	518	94	611		
	Oct 2023	36	38	1	77	0	77	7491.23	587
	Nov 2023	31	31	0	24	0	24	7492.06	594
	Dec 2023	26	27	0	28	0	28	7491.93	593
	Jan 2024	25	26	0	28	0	28	7491.58	590
	Feb 2024	23	24	0	26	0	26	7491.29	588
	Mar 2024	38	38	0	30	0	30	7492.28	596
	Apr 2024	78	78	1	41	0	41	7496.85	632



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir

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	Unreg Inflow (Date)	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)	
*	May 2021	93	98	4	102	91	0	91	7155.08	113
H	Jun 2021	132	77	4	81	85	0	85	7150.02	109
I	Jul 2021	54	98	1	99	97	0	97	7152.51	111
S	Aug 2021	46	93	1	93	94	0	94	7150.92	110
T	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
O	Oct 2021	27	58	1	59	61	0	61	7149.67	109
R	Nov 2021	30	16	3	19	17	0	17	7151.77	110
I	Dec 2021	23	11	1	12	16	0	16	7145.62	106
C	Jan 2022	21	14	1	15	16	0	16	7144.25	105
A	Feb 2022	19	14	1	15	14	0	14	7145.30	105
L	Mar 2022	31	32	2	33	30	0	30	7149.87	109
*	Apr 2022	65	46	3	50	47	0	47	7153.31	112
	May 2022	185	72	15	87	86	0	86	7153.73	112
	Jun 2022	200	58	10	68	68	0	68	7153.72	112
	Jul 2022	65	87	-3	84	84	0	84	7153.73	112
	Aug 2022	48	77	3	80	80	0	80	7153.73	112
	Sep 2022	33	79	2	81	81	0	81	7153.73	112
	WY 2022	747	565	38	604	602	0	602		
	Oct 2022	35	78	2	80	80	0	80	7153.73	112
	Nov 2022	31	16	1	17	17	0	17	7153.73	112
	Dec 2022	27	16	1	17	17	0	17	7153.73	112
	Jan 2023	26	16	1	17	17	0	17	7153.73	112
	Feb 2023	25	14	1	15	15	0	15	7153.73	112
	Mar 2023	40	18	2	20	20	0	20	7153.73	112
	Apr 2023	89	29	11	40	40	0	40	7153.73	112
	May 2023	226	56	23	79	79	0	79	7153.73	112
	Jun 2023	265	137	15	153	152	0	152	7153.72	112
	Jul 2023	90	76	4	79	79	0	79	7153.73	112
	Aug 2023	56	79	0	80	80	0	80	7153.73	112
	Sep 2023	36	77	1	78	78	0	78	7153.73	112
	WY 2023	947	611	63	674	673	0	673		
	Oct 2023	37	77	1	78	78	0	78	7153.73	112
	Nov 2023	32	24	1	25	25	0	25	7153.73	112
	Dec 2023	27	28	1	29	29	0	29	7153.73	112
	Jan 2024	26	28	1	29	29	0	29	7153.73	112
	Feb 2024	25	26	1	28	28	0	28	7153.73	112
	Mar 2024	40	30	2	32	32	0	32	7153.73	112
	Apr 2024	89	41	11	51	51	0	51	7153.73	112



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Crystal Reservoir

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	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
Date											
*	May 2021	103	91	10	101	100	1	100	6753.35	17	64
H	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62
I	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65
S	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65
T	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61
	WY 2021	591	734	52	785	762	22	784		423	365
O	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41
R	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1
I	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1
C	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1
A	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0
L	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6
*	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31
	May 2022	205	86	20	106	106	0	106	6753.04	17	62
	Jun 2022	215	68	15	83	83	0	83	6753.03	17	61
	Jul 2022	67	84	2	86	86	0	86	6753.04	17	65
	Aug 2022	54	80	6	86	86	0	86	6753.04	17	65
	Sep 2022	35	81	2	83	83	0	83	6753.04	17	55
	WY 2022	825	602	78	680	645	34	679		388	283
	Oct 2022	39	80	3	83	83	0	83	6753.04	17	55
	Nov 2022	35	17	4	21	21	0	21	6753.04	17	0
	Dec 2022	32	17	5	22	22	0	22	6753.04	17	0
	Jan 2023	31	17	4	22	22	0	22	6753.04	17	0
	Feb 2023	29	15	4	19	19	0	19	6753.04	17	0
	Mar 2023	46	20	7	26	26	0	26	6753.04	17	5
	Apr 2023	100	40	11	50	50	0	50	6753.04	17	42
	May 2023	251	79	25	104	104	0	104	6753.04	17	62
	Jun 2023	293	152	28	180	130	50	180	6753.03	17	61
	Jul 2023	98	79	8	87	86	0	86	6753.04	17	65
	Aug 2023	63	80	7	86	86	0	86	6753.04	17	65
	Sep 2023	42	78	5	83	83	0	83	6753.04	17	55
	WY 2023	1057	673	110	783	733	50	783		410	373
	Oct 2023	43	78	6	84	52	31	84	6753.04	17	55
	Nov 2023	37	25	5	30	30	0	30	6753.04	17	0
	Dec 2023	32	29	5	34	34	0	34	6753.04	17	0
	Jan 2024	31	29	4	34	34	0	34	6753.04	17	0
	Feb 2024	29	28	4	32	32	0	32	6753.04	17	0
	Mar 2024	46	32	7	39	39	0	39	6753.04	17	5
	Apr 2024	100	51	11	62	62	0	62	6753.04	17	42

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)
*	May 2021	50	30	7645.56
H	Jun 2021	44	39	7647.63
I	Jul 2021	19	36	7639.49
S	Aug 2021	13	34	7628.72
T	Sep 2021	7	26	7615.74
	WY 2021	166	169	
O	Oct 2021	8	3	7619.62
R	Nov 2021	5	2	7621.90
I	Dec 2021	4	0	7624.23
C	Jan 2022	4	0	7626.39
A	Feb 2022	3	0	7628.13
L	Mar 2022	7	0	7631.90
*	Apr 2022	27	2	7644.01
	May 2022	60	30	7656.48
	Jun 2022	24	39	7650.25
	Jul 2022	10	38	7637.56
	Aug 2022	9	35	7622.86
	Sep 2022	9	27	7606.98
	WY 2022	169	176	
	Oct 2022	9	16	7598.75
	Nov 2022	8	2	7606.34
	Dec 2022	7	2	7611.39
	Jan 2023	6	2	7615.02
	Feb 2023	5	2	7618.07
	Mar 2023	10	2	7623.66
	Apr 2023	23	2	7635.88
	May 2023	68	31	7652.22
	Jun 2023	62	43	7659.45
	Jul 2023	21	42	7651.18
	Aug 2023	15	38	7641.30
	Sep 2023	16	30	7634.39
	WY 2023	250	209	
	Oct 2023	13	17	7632.04
	Nov 2023	9	2	7635.69
	Dec 2023	7	2	7638.07
	Jan 2024	6	2	7639.98
	Feb 2024	5	2	7641.66
	Mar 2024	10	2	7645.11
	Apr 2024	23	2	7654.06

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)	
*	May 2021	169	25	124	3	34	26	6039.27	1105	65
H	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
I	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
S	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
T	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
	WY 2021	461	60	405	23	222	359		549	
O	Oct 2021	20	0	16	1	2	28	6022.31	887	45
R	Nov 2021	14	0	10	1	0	18	6021.39	879	36
I	Dec 2021	15	0	11	0	0	18	6020.63	872	35
C	Jan 2022	14	0	10	0	0	22	6019.21	859	38
A	Feb 2022	14	0	11	1	1	20	6018.00	848	33
L	Mar 2022	41	2	32	1	4	22	6018.57	853	38
*	Apr 2022	123	17	84	2	17	20	6023.53	898	44
	May 2022	190	24	136	3	35	18	6031.88	978	128
	Jun 2022	64	6	73	3	51	18	6031.93	978	103
	Jul 2022	3	0	31	3	56	40	6024.88	911	70
	Aug 2022	20	1	45	3	47	37	6020.40	870	57
	Sep 2022	26	1	44	2	26	29	6018.98	857	49
	WY 2022	544	50	504	20	239	291		676	
	Oct 2022	31	1	37	1	9	20	6019.71	864	39
	Nov 2022	29	0	23	1	0	18	6020.18	868	34
	Dec 2022	24	0	19	0	0	18	6020.17	868	33
	Jan 2023	22	0	17	0	0	18	6020.01	866	32
	Feb 2023	29	0	25	1	0	17	6020.85	874	29
	Mar 2023	92	9	76	1	5	18	6026.36	925	41
	Apr 2023	147	17	108	2	21	18	6033.35	992	69
	May 2023	252	33	182	3	35	18	6045.28	1118	153
	Jun 2023	187	23	145	4	51	18	6051.60	1190	162
	Jul 2023	32	2	51	4	56	21	6049.02	1160	72
	Aug 2023	23	1	45	3	47	28	6046.07	1126	57
	Sep 2023	31	1	44	2	26	22	6045.49	1120	49
	WY 2023	899	87	771	23	250	235		770	
	Oct 2023	35	1	38	2	9	19	6046.23	1128	42
	Nov 2023	30	0	23	1	0	18	6046.62	1133	36
	Dec 2023	24	0	19	1	0	18	6046.60	1132	33
	Jan 2024	22	0	17	1	0	18	6046.46	1131	32
	Feb 2024	29	0	25	1	0	17	6047.07	1138	29
	Mar 2024	92	9	76	1	6	18	6051.44	1188	41
	Apr 2024	147	17	108	2	21	18	6056.98	1255	69

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)
*	May 2021	543	495	20	624	0	624	3560.57	4723	8366	649
H	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
I	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
S	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
T	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229			8279	
O	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
R	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
I	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
C	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
A	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
L	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
*	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	513
	May 2022	1450	1296	14	599	0	599	3532.88	4567	6422	621
	Jun 2022	1410	1177	25	598	0	598	3540.66	4609	6936	619
	Jul 2022	346	413	31	673	0	673	3536.62	4587	6666	693
	Aug 2022	230	382	30	717	0	717	3531.40	4560	6328	735
	Sep 2022	230	375	27	542	0	542	3528.57	4546	6148	557
	WY 2022	5980	6014	212	7000	0	7000			7144	
	Oct 2022	344	436	18	480	0	480	3527.64	4541	6090	493
	Nov 2022	407	427	18	500	0	500	3526.29	4534	6006	501
	Dec 2022	352	392	14	600	0	600	3522.94	4518	5801	602
	Jan 2023	347	384	4	740	0	740	3517.34	4491	5468	747
	Feb 2023	396	413	4	606	35	641	3513.64	4474	5253	650
	Mar 2023	613	535	7	690	0	690	3511.01	4462	5104	703
	Apr 2023	935	755	11	610	0	610	3513.20	4472	5228	627
	May 2023	2114	1679	14	610	0	610	3529.48	4550	6206	632
	Jun 2023	2478	2042	26	640	0	640	3548.52	4652	7480	661
	Jul 2023	709	649	33	720	0	720	3547.15	4644	7383	740
	Aug 2023	361	445	33	770	0	770	3542.37	4618	7052	788
	Sep 2023	312	401	29	580	0	580	3539.52	4602	6859	595
	WY 2023	9367	8558	209	7546	35	7581			7738	
	Oct 2023	417	474	20	643	0	643	3536.88	4588	6684	656
	Nov 2023	446	443	19	642	0	642	3533.80	4572	6482	643
	Dec 2023	352	383	15	715	0	715	3528.77	4547	6161	717
	Jan 2024	347	375	4	800	0	800	3522.31	4515	5763	807
	Feb 2024	396	409	4	710	0	710	3517.56	4492	5481	719
	Mar 2024	613	511	7	750	0	750	3513.64	4474	5253	763
	Apr 2024	935	744	11	670	0	670	3514.66	4479	5312	687



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)	
*	May 2021	624	9	43	1067	17.4	27	1058	616	1073.50	9480
H	Jun 2021	651	-31	51	939	15.8	32	927	592	1068.77	9102
I	Jul 2021	767	95	63	862	14.0	31	853	586	1067.65	9014
S	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
T	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
O	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
R	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
I	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
C	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
A	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
L	Mar 2022	574	42	25	1010	16.4	18	1009	555	1061.49	8536
*	Apr 2022	502	32	33	1027	17.3	18	1026	522	1054.69	8026
	May 2022	599	43	40	1059	17.2	30	1059	492	1048.42	7569
	Jun 2022	598	22	47	933	15.7	30	933	468	1043.25	7203
	Jul 2022	673	56	45	825	13.4	36	825	457	1040.87	7038
	Aug 2022	717	66	48	780	12.7	36	780	452	1039.75	6961
	Sep 2022	542	62	46	682	11.5	28	682	443	1037.66	6818
	WY 2022	7000	628	462	9271		253	9289			
	Oct 2022	480	69	44	457	7.4	21	457	445	1038.05	6844
	Nov 2022	500	68	38	553	9.3	10	553	443	1037.60	6813
	Dec 2022	600	69	31	463	7.5	5	463	453	1039.92	6972
	Jan 2023	740	87	22	604	9.8	11	604	465	1042.50	7151
	Feb 2023	641	88	20	549	9.9	8	549	474	1044.55	7294
	Mar 2023	690	107	22	883	14.4	15	883	467	1042.89	7178
	Apr 2023	610	72	30	994	16.7	17	994	445	1038.00	6841
	May 2023	610	43	37	976	15.9	21	976	421	1032.69	6483
	Jun 2023	640	22	44	915	15.4	30	915	401	1028.03	6177
	Jul 2023	720	56	42	828	13.5	34	828	394	1026.18	6057
	Aug 2023	770	66	45	798	13.0	36	798	391	1025.55	6016
	Sep 2023	580	62	43	692	11.6	32	692	383	1023.71	5899
	WY 2023	7581	810	419	8711		240	8711			
	Oct 2023	643	69	41	527	8.6	26	527	391	1025.45	6010
	Nov 2023	642	68	36	649	10.9	15	649	391	1025.60	6019
	Dec 2023	715	69	30	543	8.8	10	543	404	1028.52	6208
	Jan 2024	800	87	21	580	9.4	11	580	420	1032.46	6468
	Feb 2024	710	88	20	524	9.1	8	524	435	1035.91	6699
	Mar 2024	750	107	21	860	14.0	16	860	433	1035.36	6662
	Apr 2024	670	72	29	971	16.3	18	971	416	1031.48	6403

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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)	
*	May 2021	1067	9	22	1055	0	1055	17.2	642.32	1680
H	Jun 2021	939	15	25	901	0	901	15.1	643.33	1708
I	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
S	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
T	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
O	Oct 2021	581	-3	14	638	0	658	10.7	634.42	1471
R	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
I	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
C	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
A	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
L	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
*	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
	May 2022	1059	-13	14	1034	0	1034	16.8	643.00	1699
	Jun 2022	933	-18	14	900	0	900	15.1	643.00	1699
	Jul 2022	825	-19	12	820	0	820	13.3	642.00	1671
	Aug 2022	780	-17	15	748	0	748	12.2	642.00	1671
	Sep 2022	682	-8	16	712	0	712	12.0	640.01	1617
	WY 2022	9271	-208	151	8845	0	8865			
	Oct 2022	457	-11	14	615	0	615	10.0	633.00	1434
	Nov 2022	553	-16	13	473	0	473	7.9	635.00	1486
	Dec 2022	463	-5	13	327	0	327	5.3	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	8711	-151	151	8408	0	8408			
	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	580	-12	9	497	0	497	8.1	641.80	1666
	Feb 2024	524	-11	8	506	0	506	8.8	641.80	1666
	Mar 2024	860	-9	10	807	0	807	13.1	643.05	1700
	Apr 2024	971	-13	13	947	0	947	15.9	643.00	1699

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

— BUREAU OF —
RECLAMATION

	Davis Release (Date)	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	May 2021	1055	-2	13	746	12.1	107	168	448.51	590	145	2.4
H	Jun 2021	901	20	15	706	11.9	103	87	448.55	591	151	2.5
I	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
S	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
T	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	
O	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
R	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
I	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
C	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
A	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
L	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
*	Apr 2022	975	7	11	737	12.4	100	141	447.11	563	161	2.7
	May 2022	1034	6	13	729	11.9	106	153	448.50	589	137	2.2
	Jun 2022	900	7	15	721	12.1	103	54	448.50	589	140	2.4
	Jul 2022	820	14	17	688	11.2	106	20	448.00	580	139	2.3
	Aug 2022	748	13	17	616	10.0	106	20	447.50	571	118	1.9
	Sep 2022	712	12	15	519	8.7	103	76	447.50	570	106	1.8
	WY 2022	8865	117	139	6506		1117	1138			1462	
	Oct 2022	615	18	12	440	7.2	99	75	447.50	571	63	1.0
	Nov 2022	473	17	9	330	5.6	97	47	447.50	571	91	1.5
	Dec 2022	327	18	7	210	3.4	100	43	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	8408	135	139	6288		1094	913			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	571	113	1.9
	Dec 2023	407	18	7	260	4.2	99	74	446.50	552	108	1.8
	Jan 2024	497	14	6	304	4.9	87	108	446.50	552	131	2.1
	Feb 2024	506	5	8	396	6.9	4	96	446.50	552	117	2.0
	Mar 2024	807	4	9	603	9.8	87	98	446.70	555	140	2.3
	Apr 2024	947	8	11	710	11.9	84	102	448.70	593	139	2.3



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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 (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	
*	May 2021	1067	17.4	1073.50	9480	-473	423.99	1042.9	433.7	69	406.4
H	Jun 2021	939	15.8	1068.77	9102	-378	419.04	1451.0	366.8	100	390.7
I	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
S	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
T	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
	WY 2021	9361						3643.8			
O	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
R	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
I	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
C	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
A	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
L	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
*	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
	May 2022	1059	17.2	1048.42	7569	-456	400.38	1082.0	383.9	80	362.5
	Jun 2022	933	15.7	1043.25	7203	-366	394.73	1060.0	333.6	80	357.7
	Jul 2022	825	13.4	1040.87	7038	-166	389.97	1232.0	290.2	93	351.7
	Aug 2022	780	12.7	1039.75	6961	-77	388.57	1232.0	272.0	93	348.5
	Sep 2022	682	11.5	1037.66	6818	-143	387.63	1232.0	234.5	93	344.0
	WY 2022	9271						3371.1			
	Oct 2022	457	7.4	1038.05	6844	26	390.88	999.0	159.9	76	350.1
	Nov 2022	553	9.3	1037.60	6813	-31	392.99	1016.5	192.7	77	348.7
	Dec 2022	463	7.5	1039.92	6972	159	391.80	1028.0	162.7	77	351.2
	Jan 2023	604	9.8	1042.50	7151	179	392.54	970.0	212.1	72	351.1
	Feb 2023	549	9.9	1044.55	7294	143	393.96	997.0	193.4	73	352.5
	Mar 2023	883	14.4	1042.89	7178	-116	393.23	1054.0	317.2	78	359.3
	Apr 2023	994	16.7	1038.00	6841	-337	390.21	952.0	350.8	72	352.9
	May 2023	976	15.9	1032.69	6483	-357	384.93	952.0	340.2	74	348.8
	Jun 2023	915	15.4	1028.03	6177	-306	378.73	1085.0	309.3	87	338.1
	Jul 2023	828	13.5	1026.18	6057	-120	374.50	1236.0	276.7	100	334.3
	Aug 2023	798	13.0	1025.55	6016	-41	373.60	1236.0	265.3	100	332.3
	Sep 2023	692	11.6	1023.71	5899	-117	373.02	1222.0	227.4	100	328.6
	WY 2023	8711						3007.8			
	Oct 2023	527	8.6	1025.45	6010	111	377.49	835.2	174.2	78	330.7
	Nov 2023	649	10.9	1025.60	6019	9	381.12	792.8	219.4	74	337.9
	Dec 2023	543	8.8	1028.52	6208	189	379.25	948.0	180.8	86	332.8
	Jan 2024	580	9.4	1032.46	6468	259	381.94	810.4	196.6	72	339.1
	Feb 2024	524	9.1	1035.91	6699	231	385.29	782.5	179.3	67	341.9
	Mar 2024	860	14.0	1035.36	6662	-37	385.54	867.9	301.4	75	350.6
	Apr 2024	971	16.3	1031.48	6403	-259	382.35	909.0	330.4	81	340.4

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

Model Run ID: 3189

Processed On: 5/17/2022 12:55:39PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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	
*	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
H	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
I	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
S	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
T	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
	WY 2021	9040						1141.6			
O	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
R	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
I	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
C	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
A	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
L	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
*	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
	May 2022	1034	16.8	643.00	1699	-2	138.68	241.8	129.1	95	124.9
	Jun 2022	900	15.1	643.00	1699	0	139.21	255.0	112.9	100	125.4
	Jul 2022	820	13.3	642.00	1671	-27	139.34	255.0	103.0	100	125.5
	Aug 2022	748	12.2	642.00	1671	0	139.28	255.0	93.8	100	125.5
	Sep 2022	712	12.0	640.01	1617	-54	138.37	255.0	88.7	100	124.7
	WY 2022	8845						1109.0			
	Oct 2022	615	10.0	633.00	1434	-183	134.65	227.0	74.6	89	121.3
	Nov 2022	473	7.9	635.00	1486	51	133.03	159.8	56.6	63	119.8
	Dec 2022	327	5.3	639.51	1604	118	137.49	154.7	40.5	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	8408						1048.5			
	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	497	8.1	641.80	1666	62	139.62	156.3	62.5	61	125.8
	Feb 2024	506	8.8	641.80	1666	0	140.45	156.6	64.0	61	126.5
	Mar 2024	807	13.1	643.05	1700	34	139.35	194.1	101.3	76	125.5
	Apr 2024	947	15.9	643.00	1699	-2	138.96	249.9	118.5	98	125.2

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

Model Run ID: 3189

Processed On: 5/17/2022 12:55:39PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 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	
*	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
H	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
I	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
S	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
T	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
	WY 2021	6393						442.4			
O	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
R	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
I	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
C	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
A	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
L	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
*	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
	May 2022	729	11.9	448.50	589	26	77.95	120.0	50.7	100	69.5
	Jun 2022	721	12.1	448.50	589	0	78.54	120.0	50.5	100	70.0
	Jul 2022	688	11.2	448.00	580	-9	78.65	120.0	48.0	100	69.7
	Aug 2022	616	10.0	447.50	571	-10	78.62	120.0	42.8	100	69.5
	Sep 2022	519	8.7	447.50	570	0	78.93	120.0	36.0	100	69.4
	WY 2022	6506						450.8			
	Oct 2022	440	7.2	447.50	571	0	79.65	93.9	31.0	78	70.4
	Nov 2022	330	5.6	447.50	571	0	80.46	90.0	22.8	75	68.9
	Dec 2022	210	3.4	446.50	552	-19	81.14	111.3	13.5	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	6288						435.8			
	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	571	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	304	4.9	446.50	552	0	79.78	92.9	20.4	77	66.9
	Feb 2024	396	6.9	446.50	552	0	78.79	95.4	27.4	79	69.2
	Mar 2024	603	9.8	446.70	555	4	77.56	120.0	41.4	100	68.6
	Apr 2024	710	11.9	448.70	593	38	77.82	120.0	49.4	100	69.6

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

Model Run ID: 3189

Processed On: 5/17/2022 12:55:39PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Upper Basin Power

— BUREAU OF —
RECLAMATION

	Glen Canyon Date	1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	May 2021	249	36	24	32	20	3
H	Jun 2021	260	30	20	30	19	3
I	Jul 2021	303	24	27	34	20	3
S	Aug 2021	310	37	25	34	20	3
T	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
O	Oct 2021	183	29	14	22	7	2
R	Nov 2021	189	19	3	6	2	3
I	Dec 2021	226	19	2	5	2	4
C	Jan 2022	252	19	3	5	1	4
A	Feb 2022	201	17	3	4	1	3
L	Mar 2022	208	19	8	9	4	3
	Winter 2022	1259	123	34	50	17	19
*	Apr 2022	179	19	11	15	10	0
	May 2022	212	54	19	31	18	5
	Jun 2022	217	49	16	25	14	7
	Jul 2022	245	25	24	30	15	6
	Aug 2022	258	35	21	29	15	5
	Sep 2022	193	34	9	29	14	5
	Summer 2022	1303	216	100	160	86	27
	Oct 2022	170	32	0	29	14	5
	Nov 2022	177	30	0	6	4	4
	Dec 2022	211	29	4	6	4	4
	Jan 2023	257	29	4	6	4	4
	Feb 2023	209	26	4	6	3	3
	Mar 2023	234	29	5	7	5	4
	Winter 2023	1258	176	17	60	33	24
	Apr 2023	207	24	8	14	9	2
	May 2023	212	40	16	28	18	5
	Jun 2023	233	54	41	55	22	7
	Jul 2023	267	21	23	28	15	8
	Aug 2023	284	24	24	29	15	5
	Sep 2023	213	24	23	28	14	5
	Summer 2023	1416	187	135	183	93	32
	Oct 2023	234	24	23	28	9	5
	Nov 2023	231	22	7	9	5	5
	Dec 2023	255	22	8	10	6	5
	Jan 2024	281	22	8	11	6	4
	Feb 2024	246	21	8	10	5	4
	Mar 2024	257	17	9	12	7	4
	Winter 2024	1248	112	54	68	31	22
	Apr 2024	228	17	12	18	11	4

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2022 24-Month Study

Most Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



BUREAU OF
RECLAMATION

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
*****PREDICTED SPACE*****																		
May 2022	1,067	577	803	18531	20979	19594	40573	99	211	164	473	18531	19594	38599	1500	1059	0	20.8
Jun 2022	1,130	494	723	17900	20247	20051	40298	157	112	46	315	17900	20051	38265	1500	933	0	21.1
Jul 2022	1,028	382	723	17386	19519	20417	39936	45	-19	-9	17	17386	20417	37819	1500	825	0	20.6
*****EFFECTIVE SPACE*****																		
Aug 2022	997	397	791	17656	19841	20582	40423	997	397	791	2185	17656	20582	40423	1500	780	0	20.0
Sep 2022	1,064	422	832	17994	20312	20659	40971	1064	422	832	2317	17994	20659	40971	2270	682	0	19.5
Oct 2022	1,140	465	844	18174	20623	20802	41425	1140	465	844	2449	18174	20802	41425	3040	457	0	19.2
Nov 2022	1,194	510	838	18232	20774	20776	41550	1194	510	838	2542	18232	20776	41550	3810	553	0	19.1
Dec 2022	1,242	496	833	18316	20888	20807	41694	1242	496	833	2572	18316	20807	41694	4580	463	0	19.1
Jan 2023	1,300	485	834	18521	21139	20648	41787	1300	485	834	2618	18521	20648	41787	5350	604	0	19.0
*****CREDITABLE SPACE*****																		
Jan 2023	1,300	485	834	18521	21139	20648	41787	397	358	475	1230	18521	20648	40399	5350	604	0	19.0
Feb 2023	1,350	475	835	18854	21515	20469	41984	445	349	476	1270	18854	20469	40594	1500	549	0	18.9
Mar 2023	1,391	465	828	19069	21752	20326	42078	484	340	468	1292	19069	20326	40687	1500	883	0	18.8
Apr 2023	1,397	445	777	19218	21836	20442	42278	487	320	410	1217	19218	20442	40877	1500	994	0	18.7
May 2023	1,363	397	709	19094	21562	20779	42342	448	271	320	1038	19094	20779	40912	1500	976	0	19.7
Jun 2023	1,249	262	584	18116	20211	21137	41348	324	124	157	605	18116	21137	39858	1500	915	0	21.1
Jul 2023	1,036	172	512	16842	18562	21443	40005	96	11	30	136	16842	21443	38421	1500	828	0	20.9
*****CREDITABLE SPACE*****																		
Aug 2023	957	157	541	16939	18594	21563	40157	957	157	541	1655	16939	21563	40157	1500	798	0	20.4
Sep 2023	977	172	575	17270	18994	21604	40598	977	172	575	1724	17270	21604	40598	2270	692	0	20.0
Oct 2023	1,017	204	581	17463	19265	21721	40986	1017	204	581	1802	17463	21721	40986	3040	527	0	19.7
Nov 2023	1,046	242	573	17638	19499	21610	41109	1046	242	573	1861	17638	21610	41109	3810	649	0	19.5
Dec 2023	1,066	236	569	17840	19711	21601	41311	1066	236	569	1871	17840	21601	41311	4580	543	0	19.4
Jan 2024	1,103	237	569	18161	20070	21412	41482	1103	237	569	1909	18161	21412	41482	5350	580	0	19.3
*****EFFECTIVE SPACE*****																		
Jan 2024	1,103	237	569	18161	20070	21412	41482	505	237	496	1237	18161	21412	40810	5350	580	0	19.3
Feb 2024	1,133	239	571	18559	20502	21152	41654	532	239	497	1268	18559	21152	40980	1500	524	0	19.3
Mar 2024	1,158	242	564	18841	20805	20921	41725	554	242	489	1285	18841	20921	41047	1500	860	0	19.1
Apr 2024	1,128	234	513	19069	20945	20958	41903	519	234	432	1185	19069	20958	41212	1500	971	0	19.1

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

Model Run ID: 3189

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