To: All Annual Operating Plan Recipients

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Subject: March 2023 Probable Minimum 24-Month Study

In addition to the March 2023 24-Month Study based on the Most Probable inflow scenario, and in accordance with the Upper Basin Drought Response Operations Agreement (DROA), Reclamation has conducted an additional model run in March to determine a possible range of reservoir elevations. The January 2023 24-Month Study Probable Maximum inflow, along with the March 2023 24-Month Study Probable Minimum inflow, was used to determine the range of probable outcomes. Probable minimum and probable maximum model runs are conducted in January, April, August, and October, or when necessary to incorporate changing conditions. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. Additionally, there are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Powell and Lake Mead elevations resulting from these three inflow scenarios are summarized in graphs located at either of the following links:

https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.pdf or
https://www.usbr.gov/lc/region/g4000/24mo/2023/March-Chart.pdf.

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 million acre-feet (maf) in water year (WY) 2022.[1] This action was undertaken in conjunction with the 2022 Drought Response Operations Plan[2] (2022 Plan) 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 2022 Plan provisions to protect a target elevation at Lake Powell of 3,525 feet through adjusting Glen Canyon Dam monthly volume releases have been incorporated into the March 2023 24-Month Study and include an adjusted monthly release volume pattern for Glen Canyon Dam that will hold back a total of 0.523 maf in Lake Powell from December 2022 through April 2023. There are continued discussions when and how that same amount of water (0.523 maf) will be released later in the water year. The annual release volume from Lake Powell for WY 2023 will continue to be 7.00 maf, or higher, according to the provisions outlined below. If future projections indicate the monthly adjustments are insufficient to protect Powell's elevation, Reclamation will again consider additional water releases from the upstream initial units of the Colorado River Storage Project according to the provisions of the 2022 Plan.

The reduction of releases from Lake Powell from 7.48 maf to 7.00 maf in WY 2022 resulted in a reduced release volume of 0.480 maf that normally would have been released from Glen Canyon Dam to Lake Mead as part of the 7.48 maf annual release volume, consistent with routine operations under the 2007 Interim

[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.

Guidelines. The reduction of releases from Glen Canyon Dam in WY 2022 (resulting in increased storage in Lake Powell) did not affect the operating determinations for 2023 and was accounted for “as if” this volume of water had been delivered to Lake Mead. The 24-Month Study will continue to model 2023 and 2024 operations at lakes Powell and Mead as if the 0.480 maf had been delivered to Lake Mead for operating condition purposes both for the U.S. Lower Basin and for Mexico unless otherwise determined through additional consultation and communication as described below. The elevations listed in this report reflect the projected physical elevations at each reservoir after implementing operations as described.

The 2022 Drought Response Operations Agreement (DROA) Plan for May 2022 through April 2023 has been amended to suspend 2022 DROA Plan releases for the remainder of March and April 2023. The suspension of 2022 DROA Plan releases occurred on March 7, 2023. A total DROA release of approximately 463 kaf occurred under the 2022 DROA Plan.

Reclamation continues to consult with the Drought Response Operating Agreement Parties and the other Colorado River Basin States on the implementation of the Drought Response Operations Plans and potential consideration of 2023 Drought Response Operations. The results of these consultations and other factors may result in adjustments from what is presented in this 24-Month Study.

The WY 2023 unregulated inflow into Lake Powell in the March Probable Minimum inflow scenario is 8.96 maf, or 93% of average. The Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.26 maf in WY 2023 and 7.09 maf in WY 2024. Under the Probable Minimum scenario, Lake Powell’s physical elevation is projected to be 3,539.35 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 0.633 maf in calendar year (CY) 2023, Lake Mead’s physical elevation is projected to be 1,022.94 feet on December 31, 2023.
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The 2023 AOP is available online at:
https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP23.pdf.
The Interim Guidelines are available online at:
https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.
The Colorado River DCPs are available online at:
https://www.usbr.gov/dcp/finaldocs.html.
The 2021 Lower Basin MOU is available online at:
https://www.usbr.gov/lc/region/g4000/2021_MOU.pdf.
The Upper Basin DROA is online at:
https://www.usbr.gov/dcp/droa.html.
The Upper Basin Hydrology Summary is available online at:
https://www.usbr.gov/uc/water/crsp/studies/24Month_03_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Fontenelle Reservoir

— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Mar 2022	46	1	50	0	50	6478.63	151
H	Apr 2022	50	1	5	44	49	6478.74	152
I	May 2022	63	1	47	8	55	6479.96	158
S	Jun 2022	241	2	82	0	82	6503.59	315
T	Jul 2022	102	3	83	11	93	6504.34	321
O	Aug 2022	56	2	67	1	68	6502.43	306
R	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
I	Oct 2022	40	1	22	39	61	6494.58	249
C	Nov 2022	33	1	10	48	58	6490.90	224
A	Dec 2022	28	1	56	2	58	6486.14	194
L	Jan 2023	32	1	58	0	59	6481.53	167
*	Feb 2023	28	0	10	43	53	6476.59	141
	Mar 2023	45	0	58	0	58	6473.56	128
	Apr 2023	45	1	57	0	57	6470.71	115
	May 2023	81	1	58	0	58	6475.64	137
	Jun 2023	181	2	57	0	57	6496.01	259
	Jul 2023	94	3	58	0	58	6500.56	292
	Aug 2023	42	2	64	0	64	6497.30	269
	Sep 2023	47	2	65	0	65	6494.45	248
	WY 2023	**696**	**14**	**573**	**133**	**707**		
	Oct 2023	39	1	68	0	68	6490.06	219
	Nov 2023	39	1	59	0	59	6486.89	198
	Dec 2023	32	1	55	0	55	6482.89	174
	Jan 2024	29	1	55	0	55	6477.85	148
	Feb 2024	27	0	52	0	52	6472.35	122
	Mar 2024	43	0	54	0	54	6469.48	110
	Apr 2024	65	1	27	0	27	6477.96	148
	May 2024	116	1	88	0	88	6482.93	175
	Jun 2024	201	2	89	0	89	6499.44	284
	Jul 2024	90	3	83	0	83	6500.09	289
	Aug 2024	42	2	61	0	61	6497.13	267
	Sep 2024	32	2	60	0	60	6492.97	238
	WY 2024	**755**	**14**	**751**	**0**	**751**		
	Oct 2024	40	1	60	0	60	6489.81	217
	Nov 2024	39	1	57	0	57	6486.97	199
	Dec 2024	32	1	58	0	58	6482.44	172
	Jan 2025	31	1	58	0	58	6477.12	144
	Feb 2025	29	0	53	0	53	6471.74	120

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir

	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)
*	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
H	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
I	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
S	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
T	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
O	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
R	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
I	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
C	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
A	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	138
L	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
*	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	371
	Mar 2023	105	118	2	63	0	63	95	6007.57	2508	123
	Apr 2023	85	97	4	48	0	48	97	6008.96	2552	265
	May 2023	143	120	6	90	0	90	98	6009.70	2575	657
	Jun 2023	259	135	9	49	0	49	101	6012.03	2648	499
	Jul 2023	113	77	11	49	0	49	101	6012.54	2665	134
	Aug 2023	49	71	11	49	0	49	102	6012.87	2675	72
	Sep 2023	53	71	9	48	0	48	102	6013.30	2689	68
	WY 2023	**986**	**998**	**67**	**921**	**0**	**921**				**2744**
	Oct 2023	44	73	6	49	0	49	103	6013.82	2706	71
	Nov 2023	46	66	3	48	0	48	104	6014.27	2720	76
	Dec 2023	33	56	1	49	0	49	104	6014.44	2726	74
	Jan 2024	40	66	1	49	0	49	104	6014.90	2741	74
	Feb 2024	42	67	2	46	0	46	105	6015.45	2759	71
	Mar 2024	68	79	3	49	0	49	106	6016.26	2785	114
	Apr 2024	91	53	4	48	0	48	106	6016.29	2786	213
	May 2024	165	137	7	92	0	92	108	6017.41	2823	504
	Jun 2024	249	137	9	48	0	48	111	6019.72	2901	274
	Jul 2024	92	85	12	55	0	55	111	6020.21	2918	71
	Aug 2024	45	64	11	60	0	60	111	6020.02	2911	71
	Sep 2024	34	62	10	60	0	60	111	6019.80	2903	67
	WY 2024	**949**	**945**	**70**	**652**	**0**	**652**				**1679**
	Oct 2024	45	65	7	53	0	53	111	6019.97	2909	71
	Nov 2024	47	65	3	48	0	48	112	6020.36	2923	73
	Dec 2024	34	60	2	49	0	49	112	6020.64	2932	74
	Jan 2025	42	69	2	49	0	49	113	6021.16	2950	74
	Feb 2025	43	67	2	44	0	44	113	6021.73	2969	69

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	4	4	9301.56	57
H	Apr 2022	8	6	9302.92	59
I	May 2022	27	12	9312.55	74
S	Jun 2022	26	19	9316.61	81
T	Jul 2022	11	15	9314.18	77
O	Aug 2022	8	14	9310.35	70
R	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
I	Oct 2022	6	6	9308.80	68
C	Nov 2022	4	5	9308.13	67
A	Dec 2022	5	5	9307.68	66
L	Jan 2023	4	5	9307.08	65
*	Feb 2023	4	5	9306.26	64
	Mar 2023	4	5	9305.85	64
	Apr 2023	6	6	9306.00	64
	May 2023	22	8	9314.94	78
	Jun 2023	38	15	9327.48	101
	Jul 2023	15	17	9326.50	99
	Aug 2023	8	20	9320.00	87
	Sep 2023	7	22	9311.50	72
	WY 2023	**123**	**118**		
	Oct 2023	6	8	9310.00	70
	Nov 2023	4	6	9308.50	68
	Dec 2023	4	5	9308.11	67
	Jan 2024	4	5	9307.71	66
	Feb 2024	4	4	9307.50	66
	Mar 2024	4	6	9306.50	64
	Apr 2024	8	9	9306.00	64
	May 2024	23	8	9315.50	79
	Jun 2024	28	15	9322.79	92
	Jul 2024	9	15	9319.34	86
	Aug 2024	7	12	9316.34	80
	Sep 2024	6	14	9311.50	72
	WY 2024	**107**	**107**		
	Oct 2024	6	8	9310.00	70
	Nov 2024	5	7	9308.50	68
	Dec 2024	4	5	9308.11	67
	Jan 2025	5	5	9308.36	67
	Feb 2025	4	5	9308.00	67

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Blue Mesa Reservoir

	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)
*	Mar 2022	30	30	0	32	0	32	7436.17	239
H	Apr 2022	62	60	0	44	0	46	7438.94	252
I	May 2022	177	162	1	79	0	79	7454.56	335
S	Jun 2022	133	126	1	69	0	69	7463.76	391
T	Jul 2022	59	63	1	84	0	84	7460.15	368
O	Aug 2022	57	64	1	89	0	89	7455.69	341
R	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
I	Oct 2022	32	32	0	0	58	58	7441.74	266
C	Nov 2022	26	27	0	1	10	11	7444.87	282
A	Dec 2022	24	25	0	6	10	17	7446.44	290
L	Jan 2023	24	25	0	20	0	20	7447.43	295
*	Feb 2023	20	21	0	20	0	20	7447.61	296
	Mar 2023	28	29	0	19	0	19	7449.27	305
	Apr 2023	49	49	1	13	49	62	7446.62	291
	May 2023	175	161	1	70	0	70	7462.22	381
	Jun 2023	235	212	1	39	0	39	7486.70	552
	Jul 2023	81	83	1	75	0	75	7487.52	558
	Aug 2023	51	63	1	79	0	79	7485.30	541
	Sep 2023	50	65	1	73	0	73	7484.01	532
	WY 2023	**796**	**791**	**7**	**417**	**128**	**544**		
	Oct 2023	32	34	0	72	0	72	7478.91	494
	Nov 2023	29	31	0	15	0	15	7481.14	510
	Dec 2023	25	26	0	16	0	16	7482.47	520
	Jan 2024	24	25	0	16	0	16	7483.66	529
	Feb 2024	23	23	0	15	0	15	7484.72	537
	Mar 2024	35	37	0	19	0	19	7486.92	554
	Apr 2024	64	65	1	48	0	48	7489.06	570
	May 2024	159	144	1	58	0	58	7499.59	655
	Jun 2024	165	152	1	54	0	54	7510.91	751
	Jul 2024	53	59	2	83	0	83	7507.98	726
	Aug 2024	42	47	1	80	0	80	7504.08	692
	Sep 2024	28	36	1	60	0	60	7501.10	667
	WY 2024	**679**	**679**	**9**	**535**	**0**	**535**		
	Oct 2024	31	33	1	72	0	72	7496.32	628
	Nov 2024	29	31	0	35	0	35	7495.79	624
	Dec 2024	26	27	0	62	0	62	7491.38	588
	Jan 2025	25	25	0	43	0	43	7488.97	570
	Feb 2025	23	24	0	27	0	27	7488.46	566

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Morrow Point Reservoir

	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)
*	Mar 2022	31	32	2	33	30	0	30	7149.87	109
H	Apr 2022	65	46	3	50	47	0	47	7153.31	112
I	May 2022	186	79	9	88	89	0	89	7152.08	111
S	Jun 2022	134	69	1	70	71	0	71	7150.86	110
T	Jul 2022	60	84	1	85	84	0	84	7152.31	111
O	Aug 2022	58	89	1	90	90	0	90	7152.25	111
R	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
I	Oct 2022	33	58	1	59	60	0	60	7156.10	114
C	Nov 2022	27	11	1	12	21	0	21	7143.98	104
A	Dec 2022	26	17	2	18	20	0	20	7141.82	103
L	Jan 2023	26	20	2	21	20	0	20	7144.03	105
*	Feb 2023	21	20	1	21	18	0	18	7148.07	108
	Mar 2023	31	19	3	22	18	0	18	7153.73	112
	Apr 2023	53	62	4	66	66	0	66	7153.73	112
	May 2023	191	70	16	86	86	0	86	7153.73	112
	Jun 2023	251	39	16	55	55	0	55	7153.72	112
	Jul 2023	85	75	4	79	79	0	79	7153.73	112
	Aug 2023	52	79	1	80	80	0	80	7153.73	112
	Sep 2023	51	73	1	74	74	0	74	7153.73	112
	WY 2023	**847**	**544**	**51**	**596**	**598**	**0**	**598**		
	Oct 2023	33	72	1	73	73	0	73	7153.73	112
	Nov 2023	31	15	2	17	17	0	17	7153.73	112
	Dec 2023	27	16	2	18	18	0	18	7153.73	112
	Jan 2024	26	16	2	18	18	0	18	7153.73	112
	Feb 2024	25	15	2	17	17	0	17	7153.73	112
	Mar 2024	37	19	2	21	21	0	21	7153.73	112
	Apr 2024	72	48	8	56	55	0	55	7153.73	112
	May 2024	176	58	17	75	75	0	75	7153.73	112
	Jun 2024	173	54	8	62	62	0	62	7153.72	112
	Jul 2024	54	83	1	84	84	0	84	7153.73	112
	Aug 2024	43	80	1	81	80	0	80	7153.73	112
	Sep 2024	30	60	2	62	62	0	62	7153.73	112
	WY 2024	**727**	**535**	**48**	**583**	**582**	**0**	**582**		
	Oct 2024	33	72	2	74	74	0	74	7153.73	112
	Nov 2024	30	35	1	36	36	0	36	7153.73	112
	Dec 2024	27	62	1	63	63	0	63	7153.73	112
	Jan 2025	26	43	1	44	44	0	44	7153.73	112
	Feb 2025	25	27	2	29	29	0	29	7153.73	112

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Crystal Reservoir

BUREAU OF RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
H	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
I	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
S	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
T	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
O	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
R	Sep 2022	33	78	2	80	69	12	80	6750.17	16	62	22
	WY 2022	**755**	**614**	**70**	**684**	**622**	**62**	**684**			**393**	**295**
I	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
C	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
A	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
L	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
*	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
	Mar 2023	36	18	5	23	22	0	22	6753.04	17	5	17
	Apr 2023	64	66	11	77	77	0	77	6753.04	17	42	35
	May 2023	225	86	34	120	120	0	120	6753.04	17	62	58
	Jun 2023	279	55	28	83	83	0	83	6753.03	17	40	43
	Jul 2023	92	79	7	86	86	0	86	6753.04	17	30	56
	Aug 2023	58	80	6	86	86	0	86	6753.04	17	40	46
	Sep 2023	57	74	6	80	80	0	80	6753.04	17	55	25
	WY 2023	**956**	**598**	**109**	**707**	**678**	**28**	**706**			**321**	**385**
	Oct 2023	38	73	5	78	52	25	78	6753.04	17	55	23
	Nov 2023	35	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2023	31	18	4	22	22	0	22	6753.04	17	0	22
	Jan 2024	30	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2024	28	17	3	20	20	0	20	6753.04	17	0	20
	Mar 2024	42	21	5	26	26	0	26	6753.04	17	0	26
	Apr 2024	82	55	10	65	65	0	65	6753.04	17	0	65
	May 2024	195	75	19	94	94	0	94	6753.04	17	0	94
	Jun 2024	190	62	17	79	79	0	79	6753.03	17	0	79
	Jul 2024	57	84	3	87	87	0	87	6753.04	17	0	87
	Aug 2024	48	80	5	85	85	0	85	6753.04	17	0	85
	Sep 2024	34	62	4	66	66	0	66	6753.04	17	0	66
	WY 2024	**810**	**582**	**83**	**665**	**639**	**25**	**665**			**55**	**610**
	Oct 2024	38	74	5	79	56	23	79	6753.04	17	0	79
	Nov 2024	35	36	5	41	41	0	41	6753.04	17	0	41
	Dec 2024	32	63	5	68	68	0	68	6753.04	17	0	68
	Jan 2025	31	44	5	49	49	0	49	6753.04	17	0	49
	Feb 2025	29	29	4	33	33	0	33	6753.04	17	0	33

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	7	0	7631.90	48
H	Apr 2022	27	2	7644.01	73
I	May 2022	53	33	7652.10	92
S	Jun 2022	26	34	7648.50	83
T	Jul 2022	19	32	7642.57	70
O	Aug 2022	18	28	7637.64	59
R	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
I	Oct 2022	14	3	7635.84	56
C	Nov 2022	7	0	7639.00	62
A	Dec 2022	5	0	7641.15	67
L	Jan 2023	5	0	7643.44	72
*	Feb 2023	4	1	7644.74	75
	Mar 2023	5	11	7641.82	68
	Apr 2023	14	15	7641.45	68
	May 2023	64	31	7655.26	100
	Jun 2023	66	43	7663.74	122
	Jul 2023	25	42	7657.21	105
	Aug 2023	16	38	7648.17	83
	Sep 2023	14	30	7641.11	67
	WY 2023	**240**	**215**		
	Oct 2023	10	17	7637.60	59
	Nov 2023	8	2	7640.52	66
	Dec 2023	6	2	7642.40	70
	Jan 2024	6	2	7644.24	74
	Feb 2024	5	2	7645.64	77
	Mar 2024	8	2	7648.21	83
	Apr 2024	20	2	7655.53	101
	May 2024	56	31	7664.80	125
	Jun 2024	40	43	7663.59	122
	Jul 2024	13	41	7652.31	93
	Aug 2024	12	38	7641.01	67
	Sep 2024	11	29	7631.75	48
	WY 2024	**195**	**210**		
	Oct 2024	10	16	7628.00	42
	Nov 2024	8	2	7631.48	48
	Dec 2024	7	2	7634.20	53
	Jan 2025	6	2	7636.29	57
	Feb 2025	5	2	7637.89	60

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

Model Run ID: 3219

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	41	2	32	1	4	22	6018.57	853	38
H	Apr 2022	123	17	84	2	17	20	6023.53	898	44
I	May 2022	167	30	114	3	38	18	6029.39	954	104
S	Jun 2022	47	7	50	3	37	24	6027.89	939	61
T	Jul 2022	44	5	54	3	39	35	6025.41	916	55
O	Aug 2022	53	5	56	3	38	30	6023.95	902	49
R	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**595**
I	Oct 2022	44	2	32	1	5	33	6019.84	865	51
C	Nov 2022	23	0	16	1	0	19	6019.52	862	37
A	Dec 2022	17	0	13	0	0	22	6018.45	852	37
L	Jan 2023	20	0	15	0	0	20	6017.85	847	34
*	Feb 2023	18	0	15	1	1	18	6017.38	843	31
	Mar 2023	35	2	40	1	5	21	6018.79	855	33
	Apr 2023	117	14	104	2	19	19	6025.68	918	59
	May 2023	255	35	187	3	33	20	6038.95	1050	165
	Jun 2023	191	25	143	4	48	19	6045.65	1122	165
	Jul 2023	-23	0	-6	4	52	43	6035.75	1017	87
	Aug 2023	-5	0	17	3	44	55	6027.09	932	79
	Sep 2023	6	0	22	2	24	48	6021.48	880	71
	WY 2023	**699**	**77**	**597**	**21**	**232**	**337**			**850**
	Oct 2023	25	0	32	1	9	26	6020.95	875	43
	Nov 2023	29	1	22	1	0	19	6021.16	877	35
	Dec 2023	24	0	19	0	0	20	6021.04	876	34
	Jan 2024	24	0	20	0	0	20	6020.94	875	33
	Feb 2024	27	1	23	1	0	19	6021.31	878	31
	Mar 2024	74	7	60	1	6	20	6024.96	911	38
	Apr 2024	110	13	79	2	21	19	6028.79	948	59
	May 2024	190	25	140	3	36	20	6037.03	1030	132
	Jun 2024	102	12	93	3	52	21	6038.70	1047	120
	Jul 2024	9	0	37	4	55	51	6031.50	974	81
	Aug 2024	2	0	28	3	46	46	6024.45	907	68
	Sep 2024	13	0	31	2	25	38	6020.78	873	57
	WY 2024	**629**	**59**	**585**	**21**	**250**	**320**			**732**
	Oct 2024	21	2	26	1	9	21	6020.25	868	40
	Nov 2024	24	1	17	1	0	19	6019.89	865	35
	Dec 2024	24	0	19	0	0	20	6019.68	863	35
	Jan 2025	22	0	18	0	0	20	6019.36	861	33
	Feb 2025	29	1	25	1	0	18	6020.02	866	30

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
H	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	510
I	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
S	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
T	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
O	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
R	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7066**
I	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
C	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
A	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
L	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
*	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
	Mar 2023	450	387	6	485	0	485	3519.31	4472	5223	494
	Apr 2023	724	636	10	485	0	485	3521.64	4482	5353	494
	May 2023	2135	1810	13	700	0	700	3538.73	4563	6369	702
	Jun 2023	2478	1974	25	740	0	740	3555.75	4653	7489	737
	Jul 2023	763	811	32	815	0	815	3555.27	4650	7456	818
	Aug 2023	369	501	31	875	0	875	3549.74	4620	7081	890
	Sep 2023	340	424	28	653	0	653	3546.13	4601	6843	667
	WY 2023	**8958**	**8590**	**199**	**7262**	**0**	**7262**				**7367**
	Oct 2023	350	405	19	480	0	480	3544.80	4594	6756	492
	Nov 2023	429	408	19	500	0	500	3543.21	4586	6653	512
	Dec 2023	347	350	15	600	0	600	3539.35	4566	6408	616
	Jan 2024	333	330	4	664	0	664	3534.29	4541	6095	682
	Feb 2024	378	367	4	587	0	587	3530.85	4525	5888	602
	Mar 2024	564	489	7	620	0	620	3528.69	4514	5760	631
	Apr 2024	716	600	11	552	0	552	3529.26	4517	5793	561
	May 2024	1552	1268	14	550	0	550	3539.95	4569	6446	553
	Jun 2024	1570	1239	24	577	0	577	3549.08	4617	7037	581
	Jul 2024	298	389	30	695	0	695	3544.34	4592	6726	701
	Aug 2024	211	354	29	750	0	750	3538.15	4560	6333	765
	Sep 2024	226	334	26	518	0	518	3535.00	4545	6138	532
	WY 2024	**6974**	**6533**	**200**	**7093**	**0**	**7093**				**7228**
	Oct 2024	338	397	17	643	0	643	3530.96	4525	5894	659
	Nov 2024	407	410	17	642	0	642	3527.07	4507	5665	647
	Dec 2024	361	408	13	715	0	715	3521.91	4483	5369	718
	Jan 2025	350	374	3	830	0	830	3514.18	4449	4943	834
	Feb 2025	397	393	3	658	82	740	3508.03	4423	4619	751

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	574	41	25	1010	16.4	17	1009	555	1061.49	8536
H	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
I	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
S	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
T	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
O	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
R	Sep 2022	547	117	48	539	9.1	21	545	476	1045.03	7328
	WY 2022	**6999**	**787**	**463**	**8899**		**222**	**8888**			
I	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
C	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
A	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
L	Jan 2023	501	104	22	412	6.7	8	413	485	1046.97	7466
*	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
	Mar 2023	485	50	22	844	13.7	14	844	464	1042.41	7145
	Apr 2023	485	47	30	1057	17.8	21	1057	429	1034.51	6605
	May 2023	700	13	36	1087	17.7	26	1087	403	1028.31	6195
	Jun 2023	740	-16	43	947	15.9	32	947	384	1023.96	5915
	Jul 2023	815	19	41	840	13.7	31	840	380	1022.80	5841
	Aug 2023	875	79	44	783	12.7	31	783	385	1024.21	5931
	Sep 2023	653	75	43	713	12.0	23	713	382	1023.46	5883
	WY 2023	**7262**	**591**	**420**	**8746**		**227**	**8763**			
	Oct 2023	480	65	41	558	9.1	15	558	378	1022.43	5817
	Nov 2023	500	66	36	631	10.6	7	631	372	1020.82	5716
	Dec 2023	600	85	29	507	8.2	7	507	380	1022.94	5849
	Jan 2024	664	96	20	585	9.5	10	585	389	1025.07	5986
	Feb 2024	587	80	19	555	9.6	7	555	394	1026.33	6067
	Mar 2024	620	58	20	899	14.6	14	899	379	1022.60	5828
	Apr 2024	552	48	27	1024	17.2	15	1024	350	1015.56	5390
	May 2024	550	15	33	1006	16.4	19	1006	320	1007.84	4927
	Jun 2024	577	23	39	897	15.1	27	897	298	1001.96	4586
	Jul 2024	695	31	36	791	12.9	31	791	290	999.77	4462
	Aug 2024	750	79	39	754	12.3	32	754	290	999.83	4466
	Sep 2024	518	77	38	672	11.3	28	672	282	997.43	4331
	WY 2024	**7093**	**723**	**377**	**8878**		**213**	**8878**			
	Oct 2024	643	77	36	485	7.9	23	485	292	1000.38	4497
	Nov 2024	642	63	32	591	9.9	13	591	297	1001.54	4562
	Dec 2024	715	72	26	523	8.5	9	523	311	1005.30	4778
	Jan 2025	830	75	19	554	9.0	10	554	330	1010.44	5081
	Feb 2025	740	71	18	524	9.4	7	524	346	1014.53	5327

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
H	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
I	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
S	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
T	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
O	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
R	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-222**	**151**	**8495**	**0**	**8495**			
I	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
C	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
A	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
L	Jan 2023	412	3	9	347	0	347	5.6	642.12	1675
*	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
	Mar 2023	844	-10	10	837	0	837	13.6	642.50	1685
	Apr 2023	1057	-14	13	1017	0	1017	17.1	643.00	1699
	May 2023	1087	-13	14	1060	0	1060	17.2	643.00	1699
	Jun 2023	947	-21	14	913	0	913	15.3	643.00	1699
	Jul 2023	840	-21	12	834	0	834	13.6	642.00	1671
	Aug 2023	783	-17	15	751	0	751	12.2	642.00	1671
	Sep 2023	713	-6	16	744	0	744	12.5	640.01	1617
	WY 2023	**8746**	**-131**	**151**	**8423**	**0**	**8440**			
	Oct 2023	558	-11	14	716	0	716	11.6	633.00	1434
	Nov 2023	631	-16	13	551	0	551	9.3	635.00	1486
	Dec 2023	507	-2	13	374	0	374	6.1	639.51	1604
	Jan 2024	585	-11	9	503	0	503	8.2	641.80	1666
	Feb 2024	555	-13	8	535	0	535	9.3	641.80	1666
	Mar 2024	899	-10	10	844	0	844	13.7	643.05	1700
	Apr 2024	1024	-14	13	999	0	999	16.8	643.00	1699
	May 2024	1006	-13	14	979	0	979	15.9	643.00	1699
	Jun 2024	897	-21	14	862	0	862	14.5	643.00	1699
	Jul 2024	791	-21	12	784	0	784	12.8	642.00	1671
	Aug 2024	754	-17	15	722	0	722	11.7	642.00	1671
	Sep 2024	672	-6	16	703	0	703	11.8	640.01	1617
	WY 2024	**8878**	**-154**	**151**	**8573**	**0**	**8573**			
	Oct 2024	485	-11	14	643	0	643	10.5	633.00	1434
	Nov 2024	591	-16	13	511	0	511	8.6	635.00	1486
	Dec 2024	523	-2	13	390	0	390	6.3	639.51	1604
	Jan 2025	554	-11	9	472	0	472	7.7	641.80	1666
	Feb 2025	524	-13	8	503	0	503	9.1	641.80	1666

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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)
*	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
H	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
I	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
S	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
T	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
O	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
R	Sep 2022	617	15	15	458	7.7	103	52	447.96	579	108	1.8
	WY 2022	**8495**	**176**	**140**	**6231**		**1117**	**1112**			**1499**	
I	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
C	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
A	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
L	Jan 2023	347	20	6	261	4.2	54	40	447.14	564	125	2.0
*	Feb 2023	444	2	8	370	6.7	16	40	447.47	570	130	2.3
	Mar 2023	837	22	9	624	10.1	89	129	447.50	571	164	2.7
	Apr 2023	1017	7	11	738	12.4	96	168	447.50	570	153	2.6
	May 2023	1060	4	13	753	12.3	101	164	448.70	593	125	2.0
	Jun 2023	913	10	16	734	12.3	103	66	448.70	593	128	2.1
	Jul 2023	834	17	17	715	11.6	106	21	448.00	580	130	2.1
	Aug 2023	751	19	17	632	10.3	106	20	447.50	571	103	1.7
	Sep 2023	744	12	15	549	9.2	103	86	447.50	570	100	1.7
	WY 2023	**8440**	**153**	**139**	**6381**		**1083**	**930**			**1399**	
	Oct 2023	716	21	12	473	7.7	106	145	447.50	571	68	1.1
	Nov 2023	551	14	9	330	5.6	103	98	447.50	570	84	1.4
	Dec 2023	374	17	7	228	3.7	106	46	446.50	552	84	1.4
	Jan 2024	503	7	6	303	4.9	95	100	446.50	552	130	2.1
	Feb 2024	535	4	8	402	7.0	14	108	446.50	552	117	2.0
	Mar 2024	844	2	9	598	9.7	106	121	446.70	555	139	2.3
	Apr 2024	999	7	11	716	12.0	97	133	448.70	593	138	2.3
	May 2024	979	4	13	725	11.8	93	139	448.70	593	104	1.7
	Jun 2024	862	10	16	706	11.9	90	49	448.70	593	109	1.8
	Jul 2024	784	17	17	677	11.0	93	16	448.00	580	116	1.9
	Aug 2024	722	19	17	613	10.0	93	17	447.50	571	96	1.6
	Sep 2024	703	12	15	526	8.8	90	74	447.50	570	93	1.6
	WY 2024	**8573**	**134**	**139**	**6298**		**1086**	**1046**			**1279**	
	Oct 2024	643	21	12	475	7.7	93	76	447.50	571	84	1.4
	Nov 2024	511	14	9	367	6.2	90	53	447.50	570	108	1.8
	Dec 2024	390	17	7	262	4.3	93	60	446.50	552	104	1.7
	Jan 2025	472	7	6	291	4.7	90	85	446.50	552	119	1.9
	Feb 2025	503	4	8	392	7.1	9	92	446.50	552	107	1.9

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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
*	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
H	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
I	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
S	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
T	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
O	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
R	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
I	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
C	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
A	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
L	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
*	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
	Mar 2023	844	13.7	1042.41	7145	-324	395.40	863.6	306.5	65	363.0
	Apr 2023	1057	17.8	1034.51	6605	-540	389.19	832.7	377.9	65	357.6
	May 2023	1087	17.7	1028.31	6195	-410	381.31	894.4	375.6	72	345.5
	Jun 2023	947	15.9	1023.96	5915	-280	375.43	952.7	319.4	78	337.1
	Jul 2023	840	13.7	1022.80	5841	-74	371.47	1135.2	278.6	94	331.8
	Aug 2023	783	12.7	1024.21	5931	90	371.27	1223.9	257.7	100	329.2
	Sep 2023	713	12.0	1023.46	5883	-48	372.24	1219.6	234.1	100	328.6
	WY 2023	**8746**							**3022.9**		
	Oct 2023	558	9.1	1022.43	5817	-65	376.74	840.5	185.8	69	332.9
	Nov 2023	631	10.6	1020.82	5716	-101	377.73	831.3	210.7	69	334.1
	Dec 2023	507	8.2	1022.94	5849	133	375.86	840.7	171.8	69	338.8
	Jan 2024	585	9.5	1025.07	5986	136	375.65	866.0	194.8	70	333.1
	Feb 2024	555	9.6	1026.33	6067	81	376.59	875.3	185.7	70	334.6
	Mar 2024	899	14.6	1022.60	5828	-239	373.28	1065.0	296.7	87	330.2
	Apr 2024	1024	17.2	1015.56	5390	-438	367.53	1034.1	331.8	87	324.0
	May 2024	1006	16.4	1007.84	4927	-463	360.22	998.1	312.9	87	311.0
	Jun 2024	897	15.1	1001.96	4586	-341	353.48	971.6	273.3	87	304.7
	Jul 2024	791	12.9	999.77	4462	-124	348.56	1101.6	236.0	100	298.5
	Aug 2024	754	12.3	999.83	4466	3	347.83	1065.5	223.8	100	296.7
	Sep 2024	672	11.3	997.43	4331	-134	347.32	1050.2	197.7	100	294.4
	WY 2024	**8878**							**2821.2**		
	Oct 2024	485	7.9	1000.38	4497	166	352.05	832.7	149.9	78	309.3
	Nov 2024	591	9.9	1001.54	4562	65	356.76	795.0	183.4	74	310.6
	Dec 2024	523	8.5	1005.30	4778	216	355.84	949.8	159.6	86	305.3
	Jan 2025	554	9.0	1010.44	5081	303	359.66	794.0	172.9	70	312.4
	Feb 2025	524	9.4	1014.53	5327	246	363.49	812.6	167.5	70	319.8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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
*	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
H	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
I	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
S	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
T	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
O	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
R	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
I	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
C	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
A	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
L	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
*	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
	Mar 2023	837	13.6	642.50	1685	-13	139.49	215.5	105.2	85	125.7
	Apr 2023	1017	17.1	643.00	1699	14	138.29	255.0	126.7	100	124.6
	May 2023	1060	17.2	643.00	1699	0	138.50	248.4	132.2	97	124.8
	Jun 2023	913	15.3	643.00	1699	0	139.13	255.0	114.4	100	125.4
	Jul 2023	834	13.6	642.00	1671	-27	139.27	255.0	104.6	100	125.5
	Aug 2023	751	12.2	642.00	1671	0	139.26	255.0	94.2	100	125.5
	Sep 2023	744	12.5	640.01	1617	-54	138.16	255.0	92.6	100	124.5
	WY 2023	**8423**							**1054.2**		
	Oct 2023	716	11.6	633.00	1434	-183	133.99	227.0	86.5	89	120.7
	Nov 2023	551	9.3	635.00	1486	51	132.45	159.8	65.7	63	119.3
	Dec 2023	374	6.1	639.51	1604	118	137.13	154.7	46.3	61	123.5
	Jan 2024	503	8.2	641.80	1666	62	139.57	156.3	63.3	61	125.7
	Feb 2024	535	9.3	641.80	1666	0	140.24	160.0	67.5	63	126.3
	Mar 2024	844	13.7	643.05	1700	34	139.13	194.1	105.8	76	125.3
	Apr 2024	999	16.8	643.00	1699	-2	138.67	249.9	124.9	98	124.9
	May 2024	979	15.9	643.00	1699	0	138.93	255.0	122.5	100	125.2
	Jun 2024	862	14.5	643.00	1699	0	139.43	255.0	108.3	100	125.6
	Jul 2024	784	12.8	642.00	1671	-27	139.56	255.0	98.6	100	125.7
	Aug 2024	722	11.7	642.00	1671	0	139.45	255.0	90.7	100	125.6
	Sep 2024	703	11.8	640.01	1617	-54	138.43	255.0	87.7	100	124.7
	WY 2024	**8573**							**1067.7**		
	Oct 2024	643	10.5	633.00	1434	-183	134.46	227.0	77.9	89	121.1
	Nov 2024	511	8.6	635.00	1486	51	132.74	159.8	61.1	63	119.6
	Dec 2024	390	6.3	639.51	1604	118	137.01	154.7	48.1	61	123.4
	Jan 2025	472	7.7	641.80	1666	62	139.80	156.3	59.4	61	126.0
	Feb 2025	503	9.1	641.80	1666	0	140.34	156.6	63.6	61	126.4

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum 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
*	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
H	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
I	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
S	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
T	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
O	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
R	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
I	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
C	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
A	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
L	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
*	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
	Mar 2023	624	10.1	447.50	571	1	78.31	120.0	43.2	100	69.3
	Apr 2023	738	12.4	447.50	570	0	77.44	120.0	51.1	100	69.2
	May 2023	753	12.3	448.70	593	23	78.10	120.0	52.4	100	69.6
	Jun 2023	734	12.3	448.70	593	0	78.67	120.0	51.4	100	70.1
	Jul 2023	715	11.6	448.00	580	-13	78.58	120.0	49.8	100	69.7
	Aug 2023	632	10.3	447.50	571	-10	78.52	120.0	43.9	100	69.4
	Sep 2023	549	9.2	447.50	570	0	78.72	120.0	38.0	100	69.2
	WY 2023	**6368**							**441.1**		
	Oct 2023	473	7.7	447.50	571	0	79.40	91.0	33.2	76	70.2
	Nov 2023	330	5.6	447.50	570	0	80.46	92.0	22.8	77	68.9
	Dec 2023	228	3.7	446.50	552	-19	80.97	112.3	14.6	94	63.9
	Jan 2024	303	4.9	446.50	552	0	79.79	92.9	20.3	77	66.9
	Feb 2024	402	7.0	446.50	552	0	78.74	96.2	27.8	80	69.2
	Mar 2024	598	9.7	446.70	555	4	77.60	120.0	41.1	100	68.7
	Apr 2024	716	12.0	448.70	593	38	77.78	120.0	49.8	100	69.5
	May 2024	725	11.8	448.70	593	0	78.87	120.0	51.0	100	70.3
	Jun 2024	706	11.9	448.70	593	0	78.85	120.0	49.6	100	70.3
	Jul 2024	677	11.0	448.00	580	-13	78.83	120.0	47.3	100	69.9
	Aug 2024	613	10.0	447.50	571	-10	78.64	120.0	42.6	100	69.5
	Sep 2024	526	8.8	447.50	570	0	78.89	120.0	36.4	100	69.4
	WY 2024	**6298**							**436.4**		
	Oct 2024	475	7.7	447.50	571	0	79.39	90.0	33.3	75	70.2
	Nov 2024	367	6.2	447.50	570	0	80.15	92.0	25.2	77	68.7
	Dec 2024	262	4.3	446.50	552	-19	80.66	114.2	16.7	95	63.7
	Jan 2025	291	4.7	446.50	552	0	79.89	92.9	19.5	77	67.0
	Feb 2025	392	7.1	446.50	552	0	78.70	95.4	27.1	79	69.2

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Upper Basin Power

	Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	Mar 2022	208	19	8	9	4	3
	Winter 2022	**1259**	**123**	**34**	**50**	**17**	**19**
H	Apr 2022	179	19	11	15	10	0
I	May 2022	214	52	20	31	18	3
S	Jun 2022	222	41	18	25	16	6
T	Jul 2022	251	29	23	29	17	7
O	Aug 2022	265	39	23	31	18	6
R	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
I	Oct 2022	175	42	0	21	10	2
C	Nov 2022	181	38	0	6	2	1
A	Dec 2022	199	40	1	6	2	4
L	Jan 2023	182	41	4	5	2	4
*	Feb 2023	172	37	5	6	0	1
	Mar 2023	169	20	5	6	4	3
	Winter 2023	**1078**	**217**	**15**	**50**	**20**	**15**
	Apr 2023	168	16	3	24	13	3
	May 2023	249	29	19	31	21	3
	Jun 2023	274	16	11	20	14	4
	Jul 2023	308	16	22	29	15	4
	Aug 2023	329	16	23	29	15	5
	Sep 2023	243	16	21	27	14	5
	Summer 2023	**1572**	**109**	**100**	**159**	**92**	**24**
	Oct 2023	177	16	21	26	9	5
	Nov 2023	185	16	4	6	4	4
	Dec 2023	219	16	4	6	4	4
	Jan 2024	239	16	4	6	4	3
	Feb 2024	210	15	4	6	3	3
	Mar 2024	219	16	6	8	5	3
	Winter 2024	**1250**	**96**	**44**	**59**	**28**	**22**
	Apr 2024	196	16	14	20	11	2
	May 2024	198	30	17	27	16	5
	Jun 2024	212	16	17	22	14	6
	Jul 2024	256	18	26	30	15	6
	Aug 2024	273	20	24	29	15	5
	Sep 2024	187	20	18	22	11	4
	Summer 2024	**861**	**80**	**74**	**100**	**56**	**19**
	Oct 2024	229	18	22	27	10	4
	Nov 2024	226	16	11	13	7	4
	Dec 2024	249	16	18	23	12	4
	Jan 2025	287	16	13	16	9	4
	Feb 2025	224	15	8	11	6	3

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2023 24-Month Study

Minimum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions

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****							****EFFECTIVE SPACE****										
Mar 2023	1,412	528	805	17994	20739	20151	40890	406	301	344	1052	17994	20151	39197	1500	844	0	18.6
Apr 2023	1,375	519	793	18091	20777	20475	41253	364	293	326	982	18091	20475	39548	1500	1057	0	18.3
May 2023	1,344	534	730	17961	20567	21015	41583	326	306	242	874	17961	21015	39850	1500	1087	0	19.2
Jun 2023	1,299	444	598	16945	19286	21425	40711	274	201	75	549	16945	21425	38919	1500	947	0	20.5
Jul 2023	1,103	273	526	15825	17727	21705	39432	64	6	-49	20	15825	21705	37551	1500	840	0	20.3
								****CREDITABLE SPACE****										
Aug 2023	1,054	266	631	15858	17809	21779	39588	1054	266	631	1951	15858	21779	39588	1500	783	0	19.9
Sep 2023	1,067	283	716	16233	18300	21689	39989	1067	283	716	2067	16233	21689	39989	2270	713	0	19.5
Oct 2023	1,073	293	768	16471	18606	21737	40343	1073	293	768	2135	16471	21737	40343	3040	558	0	19.1
Nov 2023	1,086	331	773	16558	18748	21803	40551	1086	331	773	2190	16558	21803	40551	3810	631	0	18.9
Dec 2023	1,092	314	771	16661	18838	21904	40742	1092	314	771	2178	16661	21904	40742	4580	507	0	18.9
Jan 2024	1,111	304	772	16906	19093	21771	40864	1111	304	772	2187	16906	21771	40864	5350	585	0	18.8
								****EFFECTIVE SPACE****										
Jan 2024	1,111	304	772	16906	19093	21771	40864	361	230	282	873	16906	21771	39549	5350	585	0	18.8
Feb 2024	1,122	296	773	17219	19410	21634	41044	370	221	283	874	17219	21634	39727	1500	555	0	18.7
Mar 2024	1,130	288	770	17426	19613	21553	41167	374	214	278	866	17426	21553	39845	1500	899	0	18.4
Apr 2024	1,115	271	736	17554	19676	21792	41468	355	198	238	791	17554	21792	40137	1500	1024	0	18.1
May 2024	1,076	254	700	17520	19551	22230	41781	312	182	179	672	17520	22230	40422	1500	1006	0	18.6
Jun 2024	1,013	170	618	16868	18669	22693	41362	238	81	58	377	16868	22693	39938	1500	897	0	19.1
Jul 2024	826	73	601	16277	17777	23034	40811	37	-30	-14	-8	16277	23034	39303	1500	791	0	18.6
								****CREDITABLE SPACE****										
Aug 2024	804	99	674	16588	18164	23158	41322	804	99	674	1577	16588	23158	41322	1500	754	0	18.0
Sep 2024	832	132	741	16981	18687	23154	41841	832	132	741	1706	16981	23154	41841	2270	672	0	17.5
Oct 2024	869	157	775	17175	18977	23289	42265	869	157	775	1801	17175	23289	42265	3040	485	0	17.2
Nov 2024	884	197	779	17419	19280	23123	42403	884	197	779	1861	17419	23123	42403	3810	591	0	17.1
Dec 2024	889	201	783	17649	19522	23058	42580	889	201	783	1873	17649	23058	42580	4580	523	0	17.1
Jan 2025	907	236	785	17945	19873	22842	42715	907	236	785	1928	17945	22842	42715	5350	554	0	17.0
								****EFFECTIVE SPACE****										
Jan 2025	907	236	785	17945	19873	22842	42715	536	232	467	1236	17945	22842	42023	5350	554	0	17.0
Feb 2025	917	255	787	18371	20330	22539	42869	544	250	470	1263	18371	22539	42173	1500	524	0	16.9

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

Model Run ID: 3219

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