To: All Annual Operating Plan Recipients

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Subject: February 2023 Probable Minimum 24-Month Study

In addition to the February 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 February to determine a possible range of reservoir elevations. The January 2023 24-Month Study Probable Maximum inflow, along with the February 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/February-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 February 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.

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 February Probable Minimum inflow scenario is 8.37 maf, or 87% of average. The Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.16 maf in WY 2023 and 7.00 maf in WY 2024. Under the Probable Minimum scenario, Lake Powell's physical elevation is projected to be 3,537.22 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 0.644 maf in calendar year (CY) 2023, Lake Mead's physical elevation is projected to be 1,020.55 feet on December 31, 2023.

The draft 2023 AOP is available online at:
https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP23_draft.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_02_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	23	1	46	0	46	6479.63	157
H	Mar 2022	46	1	50	0	50	6478.63	151
I	Apr 2022	50	1	5	44	49	6478.74	152
S	May 2022	63	1	47	8	55	6479.96	158
T	Jun 2022	241	2	82	0	82	6503.59	315
O	Jul 2022	102	3	83	11	93	6504.34	321
R	Aug 2022	56	2	67	1	68	6502.43	306
I	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
C	Oct 2022	40	1	22	39	61	6494.58	249
A	Nov 2022	33	1	10	48	58	6490.90	224
L	Dec 2022	28	1	56	2	58	6486.14	194
*	Jan 2023	32	1	58	0	59	6481.53	167
	Feb 2023	26	1	16	36	53	6476.20	140
	Mar 2023	45	0	44	0	44	6476.26	140
	Apr 2023	43	1	33	0	33	6478.23	149
	May 2023	80	1	68	0	68	6480.37	160
	Jun 2023	178	2	65	0	65	6497.62	271
	Jul 2023	98	3	68	0	68	6501.41	299
	Aug 2023	44	2	64	0	64	6498.39	277
	Sep 2023	31	2	60	0	60	6494.15	246
	WY 2023	**678**	**15**	**563**	**127**	**690**		
	Oct 2023	39	1	61	0	61	6490.67	223
	Nov 2023	39	1	56	0	56	6487.94	205
	Dec 2023	32	1	55	0	55	6484.03	181
	Jan 2024	29	1	55	0	55	6479.15	154
	Feb 2024	27	0	52	0	52	6473.87	129
	Mar 2024	43	0	54	0	54	6471.09	117
	Apr 2024	65	1	27	0	27	6479.24	155
	May 2024	116	1	88	0	88	6484.05	181
	Jun 2024	201	2	89	0	89	6500.31	291
	Jul 2024	90	3	83	0	83	6500.96	295
	Aug 2024	42	2	61	0	61	6498.02	274
	Sep 2024	32	2	60	0	60	6493.90	245
	WY 2024	**755**	**14**	**742**	**0**	**742**		
	Oct 2024	40	1	61	0	61	6490.56	222
	Nov 2024	39	1	58	0	58	6487.55	202
	Dec 2024	32	1	58	0	58	6483.07	175
	Jan 2025	31	1	58	0	58	6477.85	147

* 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

February 2023 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir

— BUREAU OF — RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
H	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
I	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
S	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
T	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
O	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
R	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
I	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
C	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
A	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
L	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	138
*	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
	Feb 2023	38	65	2	98	0	98	93	6006.10	2464	117
	Mar 2023	100	99	2	73	0	73	94	6006.86	2487	114
	Apr 2023	79	69	4	70	0	70	94	6006.68	2481	283
	May 2023	138	126	6	92	0	92	95	6007.55	2508	710
	Jun 2023	247	134	9	48	0	48	98	6009.98	2583	475
	Jul 2023	115	85	11	49	0	49	99	6010.72	2607	120
	Aug 2023	50	70	10	51	0	51	99	6010.97	2615	69
	Sep 2023	35	64	9	55	0	55	99	6010.95	2614	70
	WY 2023	**948**	**961**	**66**	**963**	**0**	**963**				**2513**
	Oct 2023	44	66	6	49	0	49	100	6011.28	2624	71
	Nov 2023	46	63	3	48	0	48	100	6011.66	2637	76
	Dec 2023	33	56	1	49	0	49	100	6011.83	2642	74
	Jan 2024	40	66	1	49	0	49	101	6012.31	2657	74
	Feb 2024	42	67	2	46	0	46	102	6012.88	2675	71
	Mar 2024	68	79	3	49	0	49	103	6013.70	2702	114
	Apr 2024	91	53	4	48	0	48	103	6013.73	2703	213
	May 2024	165	137	7	92	0	92	104	6014.88	2740	504
	Jun 2024	249	137	9	48	0	48	107	6017.24	2818	274
	Jul 2024	92	85	12	49	0	49	108	6017.92	2840	65
	Aug 2024	45	64	11	58	0	58	108	6017.78	2836	69
	Sep 2024	34	62	10	60	0	60	108	6017.56	2828	67
	WY 2024	**949**	**936**	**69**	**645**	**0**	**645**				**1672**
	Oct 2024	45	66	6	50	0	50	108	6017.85	2838	68
	Nov 2024	47	66	3	48	0	48	109	6018.29	2853	73
	Dec 2024	34	60	2	49	0	49	109	6018.57	2862	74
	Jan 2025	42	69	2	49	0	49	110	6019.11	2880	74

* 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

February 2023 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir

— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Feb 2022	3	4	9301.88	58
H	Mar 2022	4	4	9301.56	57
I	Apr 2022	8	6	9302.92	59
S	May 2022	27	12	9312.55	74
T	Jun 2022	26	19	9316.61	81
O	Jul 2022	11	15	9314.18	77
R	Aug 2022	8	14	9310.35	70
I	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
C	Oct 2022	6	6	9308.80	68
A	Nov 2022	4	5	9308.13	67
L	Dec 2022	5	5	9307.68	66
*	Jan 2023	4	5	9307.08	65
	Feb 2023	4	5	9306.55	65
	Mar 2023	4	5	9305.75	63
	Apr 2023	6	6	9305.75	63
	May 2023	22	12	9312.14	73
	Jun 2023	39	15	9325.54	97
	Jul 2023	15	21	9322.39	91
	Aug 2023	8	18	9316.87	81
	Sep 2023	6	15	9311.53	72
	WY 2023	**123**	**119**		
	Oct 2023	6	6	9311.53	72
	Nov 2023	4	5	9310.88	71
	Dec 2023	4	5	9310.10	70
	Jan 2024	4	5	9309.34	69
	Feb 2024	4	5	9308.83	68
	Mar 2024	4	5	9308.06	67
	Apr 2024	8	4	9310.60	71
	May 2024	23	9	9318.84	85
	Jun 2024	28	15	9325.79	98
	Jul 2024	9	18	9321.04	89
	Aug 2024	7	15	9316.58	81
	Sep 2024	6	15	9311.22	72
	WY 2024	**107**	**108**		
	Oct 2024	6	6	9311.22	72
	Nov 2024	5	5	9311.19	72
	Dec 2024	4	5	9310.41	71
	Jan 2025	5	5	9310.29	70

* 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

February 2023 24-Month Study

Minimum Probable Inflow*

Blue Mesa Reservoir

— BUREAU OF —
RECLAMATION

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Feb 2022	18	19	0	14	0	14	7436.57	241
H	Mar 2022	30	30	0	32	0	32	7436.17	239
I	Apr 2022	62	60	0	44	0	46	7438.94	252
S	May 2022	177	162	1	79	0	79	7454.56	335
T	Jun 2022	133	126	1	69	0	69	7463.76	391
O	Jul 2022	59	63	1	84	0	84	7460.15	368
R	Aug 2022	57	64	1	89	0	89	7455.69	341
I	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
C	Oct 2022	32	32	0	0	58	58	7441.74	266
A	Nov 2022	26	27	0	1	10	11	7444.87	282
L	Dec 2022	24	25	0	6	10	17	7446.44	290
*	Jan 2023	24	25	0	20	0	20	7447.43	295
	Feb 2023	20	21	0	14	0	14	7448.62	302
	Mar 2023	30	31	0	18	0	18	7450.92	314
	Apr 2023	44	44	1	13	46	59	7447.99	298
	May 2023	158	148	1	148	0	148	7447.94	298
	Jun 2023	224	200	1	52	0	52	7471.94	445
	Jul 2023	74	80	1	79	0	79	7471.86	444
	Aug 2023	48	58	1	83	0	83	7467.97	418
	Sep 2023	31	40	1	77	0	77	7462.04	380
	WY 2023	**736**	**731**	**6**	**513**	**125**	**637**		
	Oct 2023	32	32	0	73	0	73	7455.13	338
	Nov 2023	29	30	0	15	0	15	7457.70	353
	Dec 2023	25	26	0	16	0	16	7459.45	364
	Jan 2024	24	25	0	16	0	16	7461.01	373
	Feb 2024	23	24	0	15	0	15	7462.37	382
	Mar 2024	35	36	0	19	0	19	7464.97	398
	Apr 2024	64	60	1	48	0	48	7466.79	410
	May 2024	159	145	1	58	0	58	7479.16	496
	Jun 2024	165	152	1	57	0	57	7491.58	590
	Jul 2024	53	62	1	82	0	82	7488.82	568
	Aug 2024	42	50	1	80	0	80	7484.73	537
	Sep 2024	28	37	1	66	0	66	7480.73	507
	WY 2024	**679**	**680**	**7**	**544**	**0**	**544**		
	Oct 2024	31	31	0	72	0	72	7474.95	466
	Nov 2024	29	29	0	15	0	15	7476.92	480
	Dec 2024	26	27	0	16	0	16	7478.52	491
	Jan 2025	25	25	0	16	0	16	7479.82	501

* 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

February 2023 24-Month Study

Minimum Probable Inflow*

Morrow Point Reservoir

— BUREAU OF — RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Feb 2022	19	14	1	15	14	0	14	7145.30	105
H	Mar 2022	31	32	2	33	30	0	30	7149.87	109
I	Apr 2022	65	46	3	50	47	0	47	7153.31	112
S	May 2022	186	79	9	88	89	0	89	7152.08	111
T	Jun 2022	134	69	1	70	71	0	71	7150.86	110
O	Jul 2022	60	84	1	85	84	0	84	7152.31	111
R	Aug 2022	58	89	1	90	90	0	90	7152.25	111
I	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
C	Oct 2022	33	58	1	59	60	0	60	7156.10	114
A	Nov 2022	27	11	1	12	21	0	21	7143.98	104
L	Dec 2022	26	17	2	18	20	0	20	7141.82	103
*	Jan 2023	26	20	2	21	20	0	20	7144.03	105
	Feb 2023	22	14	2	16	9	0	9	7153.73	112
	Mar 2023	33	18	3	21	21	0	21	7153.73	112
	Apr 2023	52	59	8	67	67	0	67	7153.73	112
	May 2023	174	148	16	164	163	0	163	7153.73	112
	Jun 2023	237	52	13	65	65	0	65	7153.72	112
	Jul 2023	78	79	4	83	83	0	83	7153.73	112
	Aug 2023	49	83	1	84	84	0	84	7153.73	112
	Sep 2023	32	77	1	78	78	0	78	7153.73	112
	WY 2023	**789**	**637**	**53**	**690**	**693**	**0**	**693**		
	Oct 2023	33	73	1	74	74	0	74	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	57	8	65	64	0	64	7153.72	112
	Jul 2024	54	82	1	83	83	0	83	7153.73	112
	Aug 2024	43	80	1	81	81	0	81	7153.73	112
	Sep 2024	30	66	2	68	68	0	68	7153.73	112
	WY 2024	**727**	**544**	**48**	**592**	**592**	**0**	**592**		
	Oct 2024	33	72	2	74	74	0	74	7153.73	112
	Nov 2024	30	15	1	16	16	0	16	7153.73	112
	Dec 2024	27	16	1	17	17	0	17	7153.73	112
	Jan 2025	26	16	1	17	17	0	17	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

February 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)
*	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
H	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
I	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
S	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
T	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
O	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
R	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
I	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**
C	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
A	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
L	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
*	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
	Feb 2023	26	9	4	13	12	0	12	6753.04	17	0	12
	Mar 2023	38	21	5	26	26	0	26	6753.04	17	5	21
	Apr 2023	62	67	10	77	77	0	77	6753.04	17	42	35
	May 2023	206	163	32	195	134	61	195	6753.04	17	62	133
	Jun 2023	258	65	21	86	86	0	86	6753.03	17	40	46
	Jul 2023	84	83	6	89	89	0	89	6753.04	17	30	59
	Aug 2023	54	84	5	89	89	0	89	6753.04	17	40	49
	Sep 2023	37	78	5	83	83	0	83	6753.04	17	55	28
	WY 2023	**887**	**693**	**98**	**790**	**716**	**73**	**789**			**319**	**470**
	Oct 2023	38	74	5	79	52	27	79	6753.04	17	55	24
	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	64	17	81	81	0	81	6753.03	17	0	81
	Jul 2024	57	83	3	86	86	0	86	6753.04	17	0	86
	Aug 2024	48	81	5	86	86	0	86	6753.04	17	0	86
	Sep 2024	34	68	4	72	72	0	72	6753.04	17	0	72
	WY 2024	**810**	**592**	**83**	**675**	**647**	**27**	**674**			**55**	**619**
	Oct 2024	38	74	5	79	56	23	79	6753.04	17	0	79
	Nov 2024	35	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2024	32	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2025	31	17	5	22	22	0	22	6753.04	17	0	22

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

Model Run ID: 3217

Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	3	0	7628.13	42
H	Mar 2022	7	0	7631.90	48
I	Apr 2022	27	2	7644.01	73
S	May 2022	53	33	7652.10	92
T	Jun 2022	26	34	7648.50	83
O	Jul 2022	19	32	7642.57	70
R	Aug 2022	18	28	7637.64	59
I	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
C	Oct 2022	14	3	7635.84	56
A	Nov 2022	7	0	7639.00	62
L	Dec 2022	5	0	7641.15	67
*	Jan 2023	5	0	7643.44	72
	Feb 2023	4	0	7645.05	76
	Mar 2023	5	0	7647.01	80
	Apr 2023	15	0	7653.00	94
	May 2023	75	45	7664.44	124
	Jun 2023	43	51	7661.36	116
	Jul 2023	17	42	7651.48	91
	Aug 2023	12	38	7640.01	65
	Sep 2023	12	30	7630.92	47
	WY 2023	**215**	**210**		
	Oct 2023	10	17	7626.66	39
	Nov 2023	8	2	7630.24	45
	Dec 2023	6	2	7632.49	49
	Jan 2024	6	2	7634.64	54
	Feb 2024	5	2	7636.26	57
	Mar 2024	8	2	7639.19	63
	Apr 2024	20	2	7647.26	81
	May 2024	56	31	7657.19	105
	Jun 2024	40	43	7655.91	102
	Jul 2024	13	41	7643.80	73
	Aug 2024	12	38	7630.97	47
	Sep 2024	11	29	7619.18	28
	WY 2024	**195**	**210**		
	Oct 2024	10	16	7613.78	22
	Nov 2024	8	2	7618.86	28
	Dec 2024	7	2	7622.58	33
	Jan 2025	6	2	7625.28	37

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

Model Run ID: 3217

Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	14	0	11	1	1	20	6018.00	848	33
H	Mar 2022	41	2	32	1	4	22	6018.57	853	38
I	Apr 2022	123	17	84	2	17	20	6023.53	898	44
S	May 2022	167	30	114	3	38	18	6029.39	954	104
T	Jun 2022	47	7	50	3	37	24	6027.89	939	61
O	Jul 2022	44	5	54	3	39	35	6025.41	916	55
R	Aug 2022	53	5	56	3	38	30	6023.95	902	49
I	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**595**
C	Oct 2022	44	2	32	1	5	33	6019.84	865	51
A	Nov 2022	23	0	16	1	0	19	6019.52	862	37
L	Dec 2022	17	0	13	0	0	22	6018.45	852	37
*	Jan 2023	20	0	15	0	0	20	6017.85	847	34
	Feb 2023	18	0	14	1	0	18	6017.33	843	27
	Mar 2023	35	2	29	1	5	21	6017.48	844	33
	Apr 2023	95	11	70	2	19	20	6020.70	873	58
	May 2023	265	36	199	3	33	20	6035.62	1015	178
	Jun 2023	74	8	74	3	48	21	6035.78	1017	120
	Jul 2023	-9	3	12	3	52	56	6025.67	918	86
	Aug 2023	1	0	27	3	44	55	6017.42	843	74
	Sep 2023	12	0	30	2	24	48	6012.20	799	66
	WY 2023	**596**	**62**	**530**	**20**	**231**	**352**			**801**
	Oct 2023	25	0	32	1	9	27	6011.58	794	44
	Nov 2023	29	1	22	1	0	19	6011.82	796	35
	Dec 2023	24	0	19	0	0	20	6011.69	795	34
	Jan 2024	24	0	20	0	0	20	6011.58	794	33
	Feb 2024	27	1	23	1	0	19	6011.99	797	31
	Mar 2024	74	7	60	1	6	20	6015.95	831	38
	Apr 2024	110	13	79	2	21	19	6020.11	867	59
	May 2024	190	25	140	3	36	20	6028.93	949	132
	Jun 2024	102	12	93	3	52	21	6030.74	967	120
	Jul 2024	9	0	37	3	55	51	6023.08	894	81
	Aug 2024	2	0	28	3	46	46	6015.51	827	68
	Sep 2024	13	0	31	2	25	38	6011.55	793	57
	WY 2024	**629**	**59**	**585**	**19**	**250**	**321**			**733**
	Oct 2024	21	2	26	1	9	21	6010.99	789	40
	Nov 2024	24	1	17	1	0	19	6010.60	786	35
	Dec 2024	24	0	19	0	0	20	6010.38	784	35
	Jan 2025	22	0	18	0	0	20	6010.04	781	33

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

Model Run ID: 3217

Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
H	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
I	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	510
S	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
T	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
O	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
R	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
I	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7066**
C	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
A	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
L	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
*	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
	Feb 2023	300	346	4	480	0	480	3521.20	4480	5329	494
	Mar 2023	500	454	6	485	0	485	3520.58	4477	5294	496
	Apr 2023	697	659	10	485	0	485	3523.26	4489	5445	494
	May 2023	1870	1638	13	600	0	600	3539.12	4565	6394	604
	Jun 2023	2200	1832	24	782	0	782	3553.63	4641	7343	779
	Jul 2023	733	792	31	801	0	801	3553.08	4638	7306	804
	Aug 2023	359	493	31	872	0	872	3547.43	4608	6928	885
	Sep 2023	285	412	28	623	0	623	3544.04	4590	6706	636
	WY 2023	**8373**	**8335**	**198**	**7155**	**0**	**7156**				**7264**
	Oct 2023	350	408	19	480	0	480	3542.73	4583	6622	491
	Nov 2023	429	408	18	500	0	500	3541.12	4575	6520	511
	Dec 2023	347	350	14	600	0	600	3537.22	4556	6275	613
	Jan 2024	333	330	4	664	0	664	3532.09	4531	5962	682
	Feb 2024	378	367	4	587	0	587	3528.61	4514	5755	601
	Mar 2024	564	489	7	620	0	620	3526.42	4504	5627	636
	Apr 2024	716	600	11	552	0	552	3527.00	4507	5661	562
	May 2024	1552	1269	13	550	0	550	3537.84	4559	6314	556
	Jun 2024	1570	1242	24	577	0	577	3547.12	4606	6908	582
	Jul 2024	298	382	29	652	0	652	3542.86	4584	6631	657
	Aug 2024	211	353	28	696	0	696	3537.40	4557	6287	710
	Sep 2024	226	339	25	522	0	522	3534.27	4541	6094	536
	WY 2024	**6974**	**6535**	**197**	**7000**	**0**	**7000**				**7137**
	Oct 2024	338	394	17	643	0	643	3530.17	4521	5847	656
	Nov 2024	407	390	16	642	0	642	3525.93	4502	5599	643
	Dec 2024	361	362	13	715	0	715	3519.97	4474	5260	717
	Jan 2025	350	346	3	810	0	810	3512.02	4440	4827	817

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

Model Run ID: 3217

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
H	Mar 2022	574	41	25	1010	16.4	17	1009	555	1061.49	8536
I	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
S	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
T	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
O	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
R	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
I	Sep 2022	547	118	48	539	9.1	22	545	476	1045.03	7328
	WY 2022	**6999**	**771**	**463**	**8899**		**223**	**8888**			
C	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
A	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
L	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
*	Jan 2023	501	104	22	412	6.7	8	415	485	1046.97	7466
	Feb 2023	480	73	21	461	8.3	4	461	489	1047.86	7529
	Mar 2023	485	59	22	950	15.5	14	950	462	1041.97	7114
	Apr 2023	485	50	30	1076	18.1	21	1076	426	1033.82	6558
	May 2023	600	21	36	1056	17.2	27	1056	396	1026.71	6091
	Jun 2023	782	-13	43	956	16.1	32	956	380	1022.86	5845
	Jul 2023	801	17	41	841	13.7	32	841	374	1021.45	5756
	Aug 2023	872	73	44	794	12.9	31	794	379	1022.57	5826
	Sep 2023	623	70	43	711	12.0	24	711	374	1021.31	5746
	WY 2023	**7156**	**629**	**418**	**8825**		**225**	**8845**			
	Oct 2023	480	60	40	546	8.9	16	546	370	1020.38	5688
	Nov 2023	500	60	35	619	10.4	8	619	364	1018.85	5593
	Dec 2023	600	70	29	520	8.5	7	520	370	1020.55	5699
	Jan 2024	664	92	20	556	9.0	10	556	381	1023.09	5859
	Feb 2024	587	74	19	534	9.3	7	534	387	1024.59	5955
	Mar 2024	620	86	20	884	14.4	14	884	374	1021.45	5755
	Apr 2024	552	53	27	1010	17.0	15	1010	347	1014.66	5335
	May 2024	550	29	33	995	16.2	19	995	318	1007.31	4896
	Jun 2024	577	25	39	904	15.2	27	904	296	1001.33	4551
	Jul 2024	652	29	36	792	12.9	31	792	285	998.36	4383
	Aug 2024	696	73	39	765	12.4	32	765	281	997.24	4321
	Sep 2024	522	71	37	675	11.3	28	675	272	994.73	4182
	WY 2024	**7000**	**723**	**373**	**8801**		**214**	**8801**			
	Oct 2024	643	69	36	492	8.0	23	492	282	997.48	4334
	Nov 2024	642	68	31	589	9.9	13	589	286	998.77	4406
	Dec 2024	715	69	26	526	8.5	9	526	300	1002.48	4616
	Jan 2025	810	87	18	545	8.9	10	545	320	1007.73	4920

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

Model Run ID: 3217

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
H	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
I	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
S	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
T	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
O	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
R	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
I	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-228**	**151**	**8495**	**0**	**8495**			
C	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
A	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
L	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
*	Jan 2023	412	-4	9	347	0	347	5.6	641.87	1668
	Feb 2023	461	-11	8	439	0	439	7.9	642.00	1671
	Mar 2023	950	-9	10	918	0	918	14.9	642.50	1685
	Apr 2023	1076	-13	13	1037	0	1037	17.4	643.00	1699
	May 2023	1056	-13	14	1028	0	1028	16.7	643.00	1699
	Jun 2023	956	-18	14	923	0	923	15.5	643.00	1699
	Jul 2023	841	-19	12	836	0	836	13.6	642.00	1671
	Aug 2023	794	-17	15	761	0	761	12.4	642.00	1671
	Sep 2023	711	-8	16	741	0	741	12.5	640.01	1617
	WY 2023	**8825**	**-126**	**151**	**8522**	**0**	**8525**			
	Oct 2023	546	-11	14	704	0	704	11.4	633.00	1434
	Nov 2023	619	-16	13	539	0	539	9.1	635.00	1486
	Dec 2023	520	-5	13	384	0	384	6.3	639.51	1604
	Jan 2024	556	-12	9	473	0	473	7.7	641.80	1666
	Feb 2024	534	-11	8	516	0	516	9.0	641.80	1666
	Mar 2024	884	-9	10	831	0	831	13.5	643.05	1700
	Apr 2024	1010	-13	13	987	0	987	16.6	643.00	1699
	May 2024	995	-13	14	968	0	968	15.7	643.00	1699
	Jun 2024	904	-18	14	872	0	872	14.7	643.00	1699
	Jul 2024	792	-19	12	787	0	787	12.8	642.00	1671
	Aug 2024	765	-17	15	732	0	732	11.9	642.00	1671
	Sep 2024	675	-8	16	705	0	705	11.8	640.01	1617
	WY 2024	**8801**	**-151**	**151**	**8498**	**0**	**8498**			
	Oct 2024	492	-11	14	650	0	650	10.6	633.00	1434
	Nov 2024	589	-16	13	509	0	509	8.6	635.00	1486
	Dec 2024	526	-5	13	390	0	390	6.3	639.51	1604
	Jan 2025	545	-12	9	463	0	463	7.5	641.80	1666

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Model Run ID: 3217

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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)
*	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
H	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
I	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
S	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
T	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
O	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
R	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
I	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**	
C	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
A	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
L	Dec 2022	436	16	7	277	4.5	101	63	447.06	562	87	1.4
*	Jan 2023	347	20	6	261	4.2	54	40	447.14	564	125	2.0
	Feb 2023	439	5	8	383	6.9	11	37	447.00	561	129	2.3
	Mar 2023	918	4	9	642	10.4	88	165	447.50	571	168	2.7
	Apr 2023	1037	8	11	739	12.4	98	165	448.70	593	156	2.6
	May 2023	1028	6	13	746	12.1	106	164	448.70	593	121	2.0
	Jun 2023	923	7	16	739	12.4	103	67	448.70	593	128	2.1
	Jul 2023	836	14	17	715	11.6	106	20	448.00	580	130	2.1
	Aug 2023	761	13	17	636	10.3	106	20	447.50	571	103	1.7
	Sep 2023	741	12	15	546	9.2	103	86	447.50	570	96	1.6
	WY 2023	**8525**	**131**	**140**	**6412**		**1085**	**960**			**1397**	
	Oct 2023	704	18	12	477	7.8	106	125	447.50	571	68	1.1
	Nov 2023	539	17	9	342	5.8	103	76	447.50	570	84	1.4
	Dec 2023	384	18	7	240	3.9	106	43	446.50	552	84	1.4
	Jan 2024	473	14	6	299	4.9	75	100	446.50	552	129	2.1
	Feb 2024	516	5	8	398	6.9	0	108	446.50	552	116	2.0
	Mar 2024	831	4	9	600	9.8	93	121	446.70	555	138	2.2
	Apr 2024	987	8	11	711	11.9	91	133	448.70	593	137	2.3
	May 2024	968	6	13	716	11.7	93	139	448.70	593	103	1.7
	Jun 2024	872	7	16	711	11.9	91	49	448.70	593	109	1.8
	Jul 2024	787	14	17	677	11.0	93	16	448.00	580	115	1.9
	Aug 2024	732	13	17	617	10.0	93	17	447.50	571	95	1.5
	Sep 2024	705	12	15	527	8.9	91	74	447.50	570	93	1.6
	WY 2024	**8498**	**135**	**139**	**6315**		**1037**	**1001**			**1272**	
	Oct 2024	650	18	12	478	7.8	93	76	447.50	571	83	1.4
	Nov 2024	509	17	9	367	6.2	91	53	447.50	570	107	1.8
	Dec 2024	390	18	7	261	4.3	93	60	446.50	552	103	1.7
	Jan 2025	463	14	6	289	4.7	90	85	446.50	552	119	1.9

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

Model Run ID: 3217

Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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
*	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
H	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
I	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
S	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
T	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
O	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
R	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
I	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
C	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
A	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
L	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
*	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.8	143.8	64	348.8
	Feb 2023	461	8.3	1047.86	7529	64	399.09	810.5	167.1	60	362.7
	Mar 2023	950	15.5	1041.97	7114	-415	395.83	867.6	344.3	66	362.4
	Apr 2023	1076	18.1	1033.82	6558	-556	387.90	920.5	380.8	72	354.0
	May 2023	1056	17.2	1026.71	6091	-467	379.46	973.8	358.9	79	340.0
	Jun 2023	956	16.1	1022.86	5845	-246	374.08	948.9	316.3	78	331.0
	Jul 2023	841	13.7	1021.45	5756	-89	370.25	1127.1	277.8	94	330.4
	Aug 2023	794	12.9	1022.57	5826	71	369.79	1211.1	260.2	100	327.9
	Sep 2023	711	12.0	1021.31	5746	-80	370.36	1206.7	232.2	100	326.4
	WY 2023	**8825**							**3034.7**		
	Oct 2023	546	8.9	1020.38	5688	-58	374.66	831.2	180.1	69	330.0
	Nov 2023	619	10.4	1018.85	5593	-96	375.75	820.9	208.1	69	336.1
	Dec 2023	520	8.5	1020.55	5699	106	373.72	828.3	175.4	69	337.1
	Jan 2024	556	9.0	1023.09	5859	160	373.50	856.3	183.0	70	329.3
	Feb 2024	534	9.3	1024.59	5955	95	374.75	866.7	177.0	70	331.5
	Mar 2024	884	14.4	1021.45	5755	-199	371.85	1058.6	295.5	87	334.2
	Apr 2024	1010	17.0	1014.66	5335	-420	366.52	1029.2	325.7	87	322.3
	May 2024	995	16.2	1007.31	4896	-439	359.51	996.6	308.1	87	309.6
	Jun 2024	904	15.2	1001.33	4551	-345	352.91	968.4	274.4	87	303.4
	Jul 2024	792	12.9	998.36	4383	-167	347.55	1056.1	235.3	100	297.1
	Aug 2024	765	12.4	997.24	4321	-63	345.85	1048.9	225.0	100	294.1
	Sep 2024	675	11.3	994.73	4182	-138	344.71	1032.9	196.2	100	290.9
	WY 2024	**8801**							**2783.9**		
	Oct 2024	492	8.0	997.48	4334	152	349.27	818.2	150.5	78	305.9
	Nov 2024	589	9.9	998.77	4406	72	353.95	781.9	181.6	74	308.2
	Dec 2024	526	8.5	1002.48	4616	210	353.08	934.3	158.9	86	302.2
	Jan 2025	545	8.9	1007.73	4920	304	356.92	781.8	168.3	70	308.7

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

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Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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
*	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
H	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
I	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
S	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
T	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
O	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
R	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
I	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
C	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
A	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
L	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
*	Jan 2023	347	5.6	641.87	1668	52		157.9	44.3	62	127.7
	Feb 2023	439	7.9	642.00	1671	3	140.98	185.8	55.8	73	127.0
	Mar 2023	918	14.9	642.50	1685	14	138.53	238.6	114.5	94	124.8
	Apr 2023	1037	17.4	643.00	1699	14	138.19	255.0	129.1	100	124.5
	May 2023	1028	16.7	643.00	1699	0	138.67	248.4	128.5	97	124.9
	Jun 2023	923	15.5	643.00	1699	0	139.07	255.0	115.7	100	125.3
	Jul 2023	836	13.6	642.00	1671	-27	139.25	255.0	104.9	100	125.5
	Aug 2023	761	12.4	642.00	1671	0	139.20	255.0	95.4	100	125.4
	Sep 2023	741	12.5	640.01	1617	-54	138.18	255.0	92.3	100	124.5
	WY 2023	**8522**							**1063.7**		
	Oct 2023	704	11.4	633.00	1434	-183	134.06	227.0	85.0	89	120.8
	Nov 2023	539	9.1	635.00	1486	51	132.53	159.8	64.4	63	119.4
	Dec 2023	384	6.3	639.51	1604	118	137.05	154.7	47.5	61	123.5
	Jan 2024	473	7.7	641.80	1666	62	139.79	156.3	59.6	61	125.9
	Feb 2024	516	9.0	641.80	1666	0	140.38	160.0	65.2	63	126.5
	Mar 2024	831	13.5	643.05	1700	34	139.21	194.1	104.2	76	125.4
	Apr 2024	987	16.6	643.00	1699	-2	138.74	249.9	123.3	98	125.0
	May 2024	968	15.7	643.00	1699	0	139.00	255.0	121.2	100	125.2
	Jun 2024	872	14.7	643.00	1699	0	139.37	255.0	109.5	100	125.6
	Jul 2024	787	12.8	642.00	1671	-27	139.55	255.0	99.0	100	125.7
	Aug 2024	732	11.9	642.00	1671	0	139.38	255.0	92.0	100	125.6
	Sep 2024	705	11.8	640.01	1617	-54	138.42	255.0	87.9	100	124.7
	WY 2024	**8498**							**1058.7**		
	Oct 2024	650	10.6	633.00	1434	-183	134.41	227.0	78.7	89	121.1
	Nov 2024	509	8.6	635.00	1486	51	132.75	159.8	60.9	63	119.6
	Dec 2024	390	6.3	639.51	1604	118	137.01	154.7	48.1	61	123.4
	Jan 2025	463	7.5	641.80	1666	62	139.87	156.3	58.3	61	126.0

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

Model Run ID: 3217

Processed On: 2/10/2023 2:23:52PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 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
*	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
H	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
I	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
S	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
T	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
O	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
R	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
I	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
C	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
A	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
L	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
*	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
	Feb 2023	383	6.9	447.00	561	-3	79.35	95.2	26.7	79	69.7
	Mar 2023	642	10.4	447.50	571	9	77.95	120.0	44.3	100	69.0
	Apr 2023	739	12.4	448.70	593	23	78.04	120.0	51.5	100	69.8
	May 2023	746	12.1	448.70	593	0	78.74	120.0	52.3	100	70.2
	Jun 2023	739	12.4	448.70	593	0	78.64	120.0	51.8	100	70.1
	Jul 2023	715	11.6	448.00	580	-13	78.58	120.0	49.8	100	69.7
	Aug 2023	636	10.3	447.50	571	-10	78.49	120.0	44.1	100	69.4
	Sep 2023	546	9.2	447.50	570	0	78.74	120.0	37.8	100	69.2
	WY 2023	**6412**							**444.2**		
	Oct 2023	477	7.8	447.50	571	0	79.37	91.0	33.5	76	70.2
	Nov 2023	342	5.8	447.50	570	0	80.36	92.0	23.6	77	68.9
	Dec 2023	240	3.9	446.50	552	-19	80.86	112.3	15.3	94	63.8
	Jan 2024	299	4.9	446.50	552	0	79.82	92.9	20.0	77	66.9
	Feb 2024	398	6.9	446.50	552	0	78.77	95.4	27.5	79	69.2
	Mar 2024	600	9.8	446.70	555	4	77.59	120.0	41.2	100	68.7
	Apr 2024	711	11.9	448.70	593	38	77.81	120.0	49.5	100	69.6
	May 2024	716	11.7	448.70	593	0	78.93	120.0	50.4	100	70.3
	Jun 2024	711	11.9	448.70	593	0	78.81	120.0	49.9	100	70.2
	Jul 2024	677	11.0	448.00	580	-13	78.83	120.0	47.3	100	69.9
	Aug 2024	617	10.0	447.50	571	-10	78.61	120.0	42.9	100	69.5
	Sep 2024	527	8.9	447.50	570	0	78.88	120.0	36.5	100	69.4
	WY 2024	**6315**							**437.6**		
	Oct 2024	478	7.8	447.50	571	0	79.37	91.0	33.5	76	70.2
	Nov 2024	367	6.2	447.50	570	0	80.15	92.0	25.2	77	68.7
	Dec 2024	261	4.3	446.50	552	-19	80.66	112.3	16.6	94	63.7
	Jan 2025	289	4.7	446.50	552	0	79.91	92.9	19.4	77	67.0

* 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

February 2023 24-Month Study

Minimum Probable Inflow*

Upper Basin Power

— BUREAU OF — RECLAMATION

	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
*	Feb 2022	201	17	3	4	1	3
H	Mar 2022	208	19	8	9	4	3
	Winter 2022	**1259**	**123**	**34**	**50**	**17**	**19**
I	Apr 2022	179	19	11	15	10	0
S	May 2022	214	52	20	31	18	3
T	Jun 2022	222	41	18	25	16	6
O	Jul 2022	251	29	23	29	17	7
R	Aug 2022	265	39	23	31	18	6
I	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
C	Oct 2022	175	42	0	21	10	2
A	Nov 2022	181	38	0	6	2	1
L	Dec 2022	199	40	1	6	2	4
*	Jan 2023	182	41	4	5	2	4
	Feb 2023	168	32	4	3	2	1
	Mar 2023	169	24	5	8	5	3
	Winter 2023	**1074**	**216**	**14**	**48**	**22**	**14**
	Apr 2023	169	23	3	24	13	2
	May 2023	214	30	38	59	23	4
	Jun 2023	289	16	14	24	15	4
	Jul 2023	301	16	22	30	15	5
	Aug 2023	326	17	23	30	15	5
	Sep 2023	231	18	21	28	14	4
	Summer 2023	**1530**	**119**	**122**	**195**	**97**	**25**
	Oct 2023	177	16	20	27	9	4
	Nov 2023	184	16	4	6	4	4
	Dec 2023	218	16	4	6	4	4
	Jan 2024	238	16	4	6	4	3
	Feb 2024	209	15	4	6	3	3
	Mar 2024	218	16	5	8	5	3
	Winter 2024	**1243**	**95**	**41**	**59**	**28**	**21**
	Apr 2024	195	16	13	20	11	2
	May 2024	197	30	16	27	16	6
	Jun 2024	211	16	16	23	14	6
	Jul 2024	239	16	24	30	15	6
	Aug 2024	253	19	23	29	15	5
	Sep 2024	188	20	19	24	12	4
	Summer 2024	**1094**	**97**	**94**	**129**	**71**	**24**
	Oct 2024	229	17	21	27	10	4
	Nov 2024	226	16	4	6	4	4
	Dec 2024	248	16	4	6	4	4
	Jan 2025	278	16	4	6	4	4

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

February 2023 24-Month Study

Minimum 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****							****EFFECTIVE SPACE****										
Feb 2023	1,347	529	801	17858	20535	20154	40689	288	179	242	708	17858	20154	38720	1500	461	0	19.0
Mar 2023	1,408	523	805	17985	20721	20091	40811	348	173	246	766	17985	20091	38842	1500	950	0	18.6
Apr 2023	1,384	510	804	18020	20718	20506	41224	320	161	238	720	18020	20506	39245	1500	1076	0	18.3
May 2023	1,380	526	775	17869	20550	21062	41612	311	177	188	677	17869	21062	39607	1500	1056	0	19.0
Jun 2023	1,342	527	633	16920	19422	21529	40950	265	166	10	441	16920	21529	38890	1500	956	0	20.0
Jul 2023	1,157	380	631	15970	18138	21775	39913	66	-5	-43	17	15970	21775	37763	1500	841	0	19.8
								****CREDITABLE SPACE****										
Aug 2023	1,105	381	730	16008	18223	21864	40087	1105	381	730	2216	16008	21864	40087	1500	794	0	19.4
Sep 2023	1,119	407	805	16386	18717	21794	40510	1119	407	805	2331	16386	21794	40510	2270	711	0	18.9
Oct 2023	1,151	445	849	16607	19052	21874	40925	1151	445	849	2444	16607	21874	40925	3040	546	0	18.5
Nov 2023	1,164	486	854	16692	19196	21932	41127	1164	486	854	2504	16692	21932	41127	3810	619	0	18.4
Dec 2023	1,169	471	852	16794	19287	22027	41314	1169	471	852	2493	16794	22027	41314	4580	520	0	18.3
Jan 2024	1,188	461	853	17039	19541	21921	41461	1188	461	853	2502	17039	21921	41461	5350	556	0	18.2
								****EFFECTIVE SPACE****										
Jan 2024	1,188	461	853	17039	19541	21921	41461	366	228	282	877	17039	21921	39836	5350	556	0	18.2
Feb 2024	1,200	451	854	17352	19857	21761	41617	376	220	282	878	17352	21761	39990	1500	534	0	18.1
Mar 2024	1,207	443	851	17559	20059	21665	41725	380	212	278	870	17559	21665	40095	1500	884	0	17.9
Apr 2024	1,192	426	817	17687	20122	21865	41987	361	196	238	795	17687	21865	40347	1500	1010	0	17.6
May 2024	1,153	415	781	17653	20002	22285	42287	317	180	179	676	17653	22285	40614	1500	995	0	18.1
Jun 2024	1,090	329	699	17000	19117	22724	41841	244	79	58	382	17000	22724	40106	1500	904	0	18.6
Jul 2024	903	235	681	16406	18225	23069	41294	43	-29	-14	0	16406	23069	39475	1500	792	0	18.1
								****CREDITABLE SPACE****										
Aug 2024	875	256	754	16683	18568	23237	41805	875	256	754	1885	16683	23237	41805	1500	765	0	17.5
Sep 2024	901	288	821	17027	19037	23299	42337	901	288	821	2010	17027	23299	42337	2270	675	0	17.0
Oct 2024	938	317	854	17220	19330	23438	42767	938	317	854	2110	17220	23438	42767	3040	492	0	16.7
Nov 2024	951	359	859	17467	19635	23286	42921	951	359	859	2169	17467	23286	42921	3810	589	0	16.6
Dec 2024	955	345	862	17715	19878	23214	43092	955	345	862	2163	17715	23214	43092	4580	526	0	16.5
Jan 2025	973	333	864	18054	20225	23004	43229	973	333	864	2171	18054	23004	43229	5350	545	0	16.5
								****EFFECTIVE SPACE****										
Jan 2025	973	333	864	18054	20225	23004	43229	550	333	462	1345	18054	23004	42403	5350	545	0	16.5

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

Model Run ID: 3217

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