

To: All Annual Operating Plan Recipients

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Subject: January 2023 Probable Minimum 24-Month Study

In addition to the January 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 additional model runs in January to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. 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/January-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 Plan² (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 January 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 Guidelines. The reduction of releases from Glen Canyon Dam in WY 2022 (resulting in increased storage in Lake Powell) did not affect the operating

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>.

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 WY 2023 unregulated inflow into Lake Powell in the January Probable Minimum inflow scenario is 7.178 maf, or 75% of average. The Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.00 maf in WY 2023 and 7.24 maf in WY 2024. Under the Probable Minimum scenario, Lake Powell’s physical elevation is projected to be 3,524.74 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 0.634 maf in calendar year (CY) 2023, Lake Mead’s physical elevation is projected to be 1,017.45 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_01_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	29	1	51	0	51	6483.90	180
H	Feb 2022	23	1	46	0	46	6479.63	157
I	Mar 2022	46	1	50	0	50	6478.63	151
S	Apr 2022	50	1	5	44	49	6478.74	152
T	May 2022	63	1	47	8	55	6479.96	158
O	Jun 2022	241	2	82	0	82	6503.59	315
R	Jul 2022	102	3	83	11	93	6504.34	321
I	Aug 2022	56	2	67	1	68	6502.43	306
C	Sep 2022	29	2	61	0	61	6498.08	274
WY 2022		744	15	617	67	685		
A	Oct 2022	40	1	22	39	61	6494.58	249
L	Nov 2022	33	1	10	48	58	6490.90	224
*	Dec 2022	28	1	56	2	58	6486.14	194
	Jan 2023	25	1	58	0	58	6480.22	160
	Feb 2023	24	0	16	37	53	6474.22	130
	Mar 2023	42	0	44	0	44	6473.62	128
	Apr 2023	35	1	33	0	33	6473.99	129
	May 2023	68	1	34	0	34	6480.72	162
	Jun 2023	163	2	33	0	33	6500.30	290
	Jul 2023	85	3	53	0	53	6504.16	320
	Aug 2023	40	2	67	0	67	6500.35	291
	Sep 2023	30	2	60	0	60	6496.05	260
WY 2023		613	15	485	127	612		
	Oct 2023	39	1	61	0	61	6492.65	236
	Nov 2023	39	1	56	0	56	6489.99	218
	Dec 2023	32	1	55	0	55	6486.23	194
	Jan 2024	29	1	55	0	55	6481.63	167
	Feb 2024	27	1	52	0	52	6476.73	142
	Mar 2024	43	0	54	0	54	6474.15	130
	Apr 2024	65	1	27	0	27	6481.69	168
	May 2024	116	1	88	0	88	6486.21	194
	Jun 2024	201	2	89	0	89	6502.05	304
	Jul 2024	90	3	83	0	83	6502.67	308
	Aug 2024	42	2	61	0	61	6499.77	287
	Sep 2024	32	2	60	0	60	6495.73	257
WY 2024		755	15	742	0	742		
	Oct 2024	40	1	61	0	61	6492.47	235
	Nov 2024	39	1	60	0	60	6489.29	214
	Dec 2024	32	1	61	0	61	6484.46	184

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir



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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)
*	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
H	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
I	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
S	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
T	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
O	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
R	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
I	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
C	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	897	837	70	927	60	987				2138
A	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
L	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
*	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	267
	Jan 2023	34	67	1	108	0	108	95	6007.27	2500	130
	Feb 2023	35	64	2	98	0	98	93	6006.15	2465	120
	Mar 2023	85	87	2	72	0	72	94	6006.55	2477	135
	Apr 2023	57	55	4	70	0	70	93	6005.96	2459	218
	May 2023	116	82	6	136	0	136	91	6004.04	2401	531
	Jun 2023	219	89	8	48	0	48	92	6005.09	2433	393
	Jul 2023	98	66	11	49	0	49	92	6005.29	2439	111
	Aug 2023	45	72	10	57	0	57	92	6005.45	2444	75
	Sep 2023	33	63	9	55	0	55	92	6005.41	2443	67
	WY 2023	830	829	64	1011	0	1011				2321
	Oct 2023	44	66	6	49	0	49	93	6005.77	2454	71
	Nov 2023	46	63	3	48	0	48	93	6006.18	2466	76
	Dec 2023	33	56	1	49	0	49	94	6006.36	2471	74
	Jan 2024	40	66	1	49	0	49	94	6006.85	2487	74
	Feb 2024	42	67	2	46	0	46	95	6007.45	2505	71
	Mar 2024	68	79	2	49	0	49	96	6008.31	2532	114
	Apr 2024	91	53	4	48	0	48	96	6008.35	2533	213
	May 2024	165	137	6	127	0	127	96	6008.47	2536	539
	Jun 2024	249	137	9	57	0	57	99	6010.69	2606	283
	Jul 2024	92	85	11	56	0	56	100	6011.23	2623	72
	Aug 2024	45	64	10	59	0	59	99	6011.08	2618	70
	Sep 2024	34	62	9	60	0	60	99	6010.85	2611	67
	WY 2024	949	936	66	696	0	696				1723
	Oct 2024	45	66	6	50	0	50	100	6011.18	2621	68
	Nov 2024	47	68	3	48	0	48	100	6011.70	2638	73
	Dec 2024	34	63	1	49	0	49	101	6012.08	2650	74

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir



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RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2022	4	4	9302.29	58
H	Feb 2022	3	4	9301.88	58
I	Mar 2022	4	4	9301.56	57
S	Apr 2022	8	6	9302.92	59
T	May 2022	27	12	9312.55	74
O	Jun 2022	26	19	9316.61	81
R	Jul 2022	11	15	9314.18	77
I	Aug 2022	8	14	9310.35	70
C	Sep 2022	5	8	9308.87	68
WY 2022		110	100		
A	Oct 2022	6	6	9308.80	68
L	Nov 2022	4	5	9308.13	67
*	Dec 2022	4	5	9307.68	66
	Jan 2023	4	5	9306.89	65
	Feb 2023	3	5	9305.70	63
	Mar 2023	4	5	9304.89	62
	Apr 2023	5	4	9305.56	63
	May 2023	22	9	9313.78	76
	Jun 2023	35	15	9324.87	96
	Jul 2023	13	18	9322.24	91
	Aug 2023	7	15	9317.84	83
	Sep 2023	6	15	9312.58	74
WY 2023		113	107		
	Oct 2023	6	6	9312.58	74
	Nov 2023	4	4	9312.30	74
	Dec 2023	4	5	9311.94	73
	Jan 2024	4	5	9311.57	72
	Feb 2024	4	4	9311.48	72
	Mar 2024	4	5	9311.11	72
	Apr 2024	8	4	9313.54	76
	May 2024	23	9	9321.48	90
	Jun 2024	28	15	9328.24	103
	Jul 2024	9	18	9323.62	94
	Aug 2024	7	15	9319.30	86
	Sep 2024	6	12	9315.90	80
WY 2024		107	101		
	Oct 2024	6	6	9315.90	80
	Nov 2024	5	5	9315.87	80
	Dec 2024	4	5	9315.52	79

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	20	20	0	14	0	14	7435.60	236
H	Feb 2022	18	19	0	14	0	14	7436.57	241
I	Mar 2022	30	30	0	32	0	32	7436.17	239
S	Apr 2022	62	60	0	44	0	46	7438.94	252
T	May 2022	177	162	1	79	0	79	7454.56	335
O	Jun 2022	133	126	1	69	0	69	7463.76	391
R	Jul 2022	59	63	1	84	0	84	7460.15	368
I	Aug 2022	57	64	1	89	0	89	7455.69	341
C	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	661	652	6	566	28	595		
A	Oct 2022	32	32	0	0	58	58	7441.74	266
L	Nov 2022	26	27	0	1	10	11	7444.87	282
*	Dec 2022	24	25	0	6	10	17	7446.44	290
	Jan 2023	20	21	0	18	0	18	7447.08	294
	Feb 2023	18	20	0	14	0	14	7448.05	299
	Mar 2023	30	31	0	18	0	18	7450.43	312
	Apr 2023	42	41	1	51	0	51	7448.44	301
	May 2023	144	131	1	111	0	111	7451.97	320
	Jun 2023	201	181	1	20	0	20	7476.99	480
	Jul 2023	72	77	1	75	0	75	7477.05	481
	Aug 2023	47	55	1	79	0	79	7473.49	455
	Sep 2023	31	40	1	74	0	74	7468.32	420
	WY 2023	687	681	7	468	78	546		
	Oct 2023	32	32	0	71	0	71	7462.26	381
	Nov 2023	29	29	0	13	0	13	7464.81	397
	Dec 2023	25	26	0	14	0	14	7466.63	409
	Jan 2024	24	25	0	14	0	14	7468.26	420
	Feb 2024	23	23	0	13	0	13	7469.68	429
	Mar 2024	35	36	0	18	0	18	7472.28	447
	Apr 2024	64	60	1	31	0	31	7476.37	476
	May 2024	159	145	1	49	0	49	7489.09	571
	Jun 2024	165	152	1	58	0	58	7500.55	663
	Jul 2024	53	62	1	84	0	84	7497.73	639
	Aug 2024	42	50	1	80	0	80	7493.86	608
	Sep 2024	28	34	1	74	0	74	7488.60	567
	WY 2024	679	673	8	519	0	519		
	Oct 2024	31	31	0	72	0	72	7483.12	525
	Nov 2024	29	29	0	15	0	15	7484.98	539
	Dec 2024	26	27	0	16	0	16	7486.41	550

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	21	14	1	15	16	0	16	7144.25	105
H	Feb 2022	19	14	1	15	14	0	14	7145.30	105
I	Mar 2022	31	32	2	33	30	0	30	7149.87	109
S	Apr 2022	65	46	3	50	47	0	47	7153.31	112
T	May 2022	186	79	9	88	89	0	89	7152.08	111
O	Jun 2022	134	69	1	70	71	0	71	7150.86	110
R	Jul 2022	60	84	1	85	84	0	84	7152.31	111
I	Aug 2022	58	89	1	90	90	0	90	7152.25	111
C	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	685	595	24	619	614	0	614		
A	Oct 2022	33	58	1	59	60	0	60	7156.10	114
L	Nov 2022	27	11	1	12	21	0	21	7143.98	104
*	Dec 2022	26	17	2	18	20	0	20	7141.82	103
	Jan 2023	22	18	2	20	11	0	11	7153.73	112
	Feb 2023	20	14	2	16	16	0	16	7153.73	112
	Mar 2023	33	18	3	21	21	0	21	7153.73	112
	Apr 2023	50	51	8	59	59	0	59	7153.73	112
	May 2023	160	111	16	127	127	0	127	7153.73	112
	Jun 2023	220	20	19	39	39	0	39	7153.72	112
	Jul 2023	76	75	4	79	79	0	79	7153.73	112
	Aug 2023	48	79	1	80	80	0	80	7153.73	112
	Sep 2023	31	74	0	74	74	0	74	7153.73	112
	WY 2023	746	546	58	605	607	0	607		
	Oct 2023	33	71	1	72	72	0	72	7153.73	112
	Nov 2023	31	13	2	15	15	0	15	7153.73	112
	Dec 2023	27	14	2	16	16	0	16	7153.73	112
	Jan 2024	26	14	2	16	16	0	16	7153.73	112
	Feb 2024	25	13	2	15	15	0	15	7153.73	112
	Mar 2024	37	18	2	20	19	0	19	7153.73	112
	Apr 2024	72	31	8	39	39	0	39	7153.73	112
	May 2024	176	49	17	66	66	0	66	7153.73	112
	Jun 2024	173	58	8	66	66	0	66	7153.72	112
	Jul 2024	54	84	1	85	85	0	85	7153.73	112
	Aug 2024	43	80	1	81	81	0	81	7153.73	112
	Sep 2024	30	74	2	76	76	0	76	7153.73	112
	WY 2024	727	519	48	567	566	0	566		
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Crystal Reservoir



— BUREAU OF —
RECLAMATION

		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
H	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
I	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
S	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
T	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
O	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
R	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
I	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
C	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
A	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
L	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
*	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
	Jan 2023	25	11	3	14	13	0	13	6753.04	17	0	13
	Feb 2023	23	16	3	19	8	11	19	6753.04	17	0	19
	Mar 2023	38	21	5	26	26	0	26	6753.04	17	5	21
	Apr 2023	59	59	9	68	68	0	68	6753.04	17	42	26
	May 2023	189	127	29	156	134	22	156	6753.04	17	62	94
	Jun 2023	249	39	29	68	68	0	68	6753.03	17	40	28
	Jul 2023	83	79	7	86	86	0	86	6753.04	17	30	56
	Aug 2023	54	80	6	86	86	0	86	6753.04	17	40	46
	Sep 2023	37	74	6	80	80	0	80	6753.04	17	55	25
	WY 2023	850	607	104	712	667	44	711			317	392
	Oct 2023	38	72	5	77	52	24	77	6753.04	17	55	22
	Nov 2023	35	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2023	31	16	4	20	20	0	20	6753.04	17	0	20
	Jan 2024	30	16	4	20	20	0	20	6753.04	17	0	20
	Feb 2024	28	15	3	18	18	0	18	6753.04	17	0	18
	Mar 2024	42	19	5	24	24	0	24	6753.04	17	0	24
	Apr 2024	82	39	10	49	49	0	49	6753.04	17	0	49
	May 2024	195	66	19	85	85	0	85	6753.04	17	0	85
	Jun 2024	190	66	17	83	83	0	83	6753.03	17	0	83
	Jul 2024	57	85	3	88	88	0	88	6753.04	17	0	88
	Aug 2024	48	81	5	86	86	0	86	6753.04	17	0	86
	Sep 2024	34	76	4	80	80	0	80	6753.04	17	0	80
	WY 2024	810	566	83	649	624	24	649			55	594
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	4	0	7626.39	39
H	Feb 2022	3	0	7628.13	42
I	Mar 2022	7	0	7631.90	48
S	Apr 2022	27	2	7644.01	73
T	May 2022	53	33	7652.10	92
O	Jun 2022	26	34	7648.50	83
R	Jul 2022	19	32	7642.57	70
I	Aug 2022	18	28	7637.64	59
C	Sep 2022	12	26	7630.15	45
WY 2022		185	160		
A	Oct 2022	14	3	7635.84	56
L	Nov 2022	7	0	7639.00	62
*	Dec 2022	5	0	7641.15	67
	Jan 2023	4	2	7642.11	69
	Feb 2023	4	2	7642.90	71
	Mar 2023	5	2	7644.01	73
	Apr 2023	23	2	7652.87	94
	May 2023	64	32	7665.12	126
	Jun 2023	30	44	7659.47	111
	Jul 2023	11	42	7646.88	80
	Aug 2023	9	38	7633.09	51
	Sep 2023	8	30	7619.57	29
WY 2023		183	196		
	Oct 2023	10	17	7613.58	21
	Nov 2023	8	2	7618.69	28
	Dec 2023	6	2	7621.73	32
	Jan 2024	6	2	7624.50	36
	Feb 2024	5	2	7626.52	39
	Mar 2024	8	2	7630.04	45
	Apr 2024	20	2	7639.30	63
	May 2024	56	31	7650.17	88
	Jun 2024	40	42	7649.00	85
	Jul 2024	13	41	7635.96	56
	Aug 2024	12	38	7620.67	30
	Sep 2024	11	29	7603.44	12
WY 2024		195	209		
	Oct 2024	10	15	7596.33	7
	Nov 2024	8	2	7604.97	13
	Dec 2024	7	2	7610.54	18

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	14	0	10	0	0	22	6019.21	859	38
H	Feb 2022	14	0	11	1	1	20	6018.00	848	33
I	Mar 2022	41	2	32	1	4	22	6018.57	853	38
S	Apr 2022	123	17	84	2	17	20	6023.53	898	44
T	May 2022	167	30	114	3	38	18	6029.39	954	104
O	Jun 2022	47	7	50	3	37	24	6027.89	939	61
R	Jul 2022	44	5	54	3	39	35	6025.41	916	55
I	Aug 2022	53	5	56	3	38	30	6023.95	902	49
C	Sep 2022	22	1	35	2	23	40	6020.65	872	56
WY 2022		574	66	484	20	200	296			595
A	Oct 2022	44	2	32	1	5	33	6019.84	865	51
L	Nov 2022	23	0	16	1	0	19	6019.52	862	37
*	Dec 2022	17	0	13	0	0	22	6018.45	852	37
	Jan 2023	17	0	15	0	0	22	6017.62	845	32
	Feb 2023	17	0	15	1	0	20	6017.03	840	29
	Mar 2023	35	2	31	1	5	22	6017.29	842	34
	Apr 2023	128	16	91	2	19	21	6022.77	891	63
	May 2023	217	29	156	3	33	22	6033.07	990	150
	Jun 2023	45	4	55	3	48	31	6030.27	962	112
	Jul 2023	-5	2	24	3	52	61	6020.42	870	85
	Aug 2023	-17	0	12	2	44	56	6009.90	780	74
	Sep 2023	-5	0	17	2	24	49	6002.74	722	63
WY 2023		517	54	476	19	231	375			765
	Oct 2023	25	0	32	1	9	27	6002.04	716	44
	Nov 2023	29	1	22	1	0	21	6002.09	717	37
	Dec 2023	24	0	19	0	0	22	6001.76	714	36
	Jan 2024	24	0	20	0	0	19	6001.84	715	32
	Feb 2024	27	1	23	0	0	17	6002.45	720	29
	Mar 2024	74	7	60	1	6	19	6006.85	755	37
	Apr 2024	110	13	79	2	21	21	6011.15	790	61
	May 2024	190	25	140	2	36	22	6020.48	871	134
	Jun 2024	102	12	93	3	52	22	6022.24	886	121
	Jul 2024	9	0	37	3	55	51	6013.96	814	81
	Aug 2024	2	0	28	2	46	46	6005.81	746	68
	Sep 2024	13	0	31	2	25	38	6001.58	713	57
WY 2024		629	59	584	18	250	325			737
	Oct 2024	21	2	24	1	9	20	6000.90	708	39
	Nov 2024	24	1	17	1	0	18	6000.68	706	34
	Dec 2024	24	0	19	0	0	19	6000.63	706	34

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
H	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
I	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
S	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	510
T	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
O	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
R	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
I	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
C	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	6084	6107	203	6999	0	6999				7066
A	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
L	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
*	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	559
	Jan 2023	280	347	4	500	0	500	3522.21	4485	5386	518
	Feb 2023	300	362	4	480	0	480	3520.21	4476	5273	494
	Mar 2023	480	449	6	485	0	485	3519.50	4472	5234	496
	Apr 2023	530	480	10	485	0	485	3519.25	4471	5220	494
	May 2023	1392	1245	12	600	0	600	3529.47	4518	5806	604
	Jun 2023	1856	1542	22	741	0	741	3541.23	4576	6527	738
	Jul 2023	663	737	28	759	0	759	3540.49	4572	6480	762
	Aug 2023	334	494	28	831	0	831	3535.07	4545	6143	845
	Sep 2023	275	418	25	591	0	591	3532.05	4530	5960	604
	WY 2023	7178	7360	185	7000	0	7000				7116
	Oct 2023	350	405	17	480	0	480	3530.63	4524	5875	491
	Nov 2023	429	407	17	500	0	500	3528.93	4516	5774	511
	Dec 2023	347	350	13	600	0	600	3524.74	4496	5530	613
	Jan 2024	333	327	3	690	0	690	3518.72	4469	5190	708
	Feb 2024	378	364	3	610	0	610	3514.49	4450	4959	624
	Mar 2024	564	485	6	650	0	650	3511.53	4438	4802	666
	Apr 2024	716	584	9	570	0	570	3511.62	4438	4806	580
	May 2024	1552	1296	11	570	0	570	3523.65	4491	5468	576
	Jun 2024	1570	1254	21	600	0	600	3533.62	4538	6054	605
	Jul 2024	298	390	26	680	0	680	3528.73	4515	5762	685
	Aug 2024	211	354	25	730	0	730	3522.29	4485	5390	744
	Sep 2024	226	348	22	564	0	564	3518.35	4467	5170	577
	WY 2024	6974	6565	174	7244	0	7244				7381
	Oct 2024	338	393	15	480	0	480	3516.63	4460	5076	493
	Nov 2024	407	388	15	500	0	500	3514.48	4450	4959	501
	Dec 2024	361	361	11	600	0	600	3510.10	4432	4726	602

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Glen Release	Side Inflow	Evap	Total	Total	SNWP	Downstream	Bank	Reservoir Elev	EOM
Date	(1000 Ac-Ft)	Glen to Hoover	Losses	Release	Release	Use	Requirements	Storage	End of Month	Storage
* Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
H Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
I Mar 2022	574	41	25	1010	16.4	17	1009	555	1061.49	8536
S Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
T May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
O Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
R Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
I Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
C Sep 2022	547	118	48	539	9.1	22	545	476	1045.03	7328
WY 2022	6999	771	463	8899		223	8888			
A Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
L Nov 2022	498	18	40	713	12.0	9	714	467	1043.02	7187
* Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
Jan 2023	500	94	22	458	7.5	7	458	482	1046.23	7413
Feb 2023	480	73	21	537	9.7	4	537	481	1046.13	7406
Mar 2023	485	59	22	961	15.6	14	961	454	1040.04	6980
Apr 2023	485	50	29	1080	18.1	21	1080	417	1031.75	6421
May 2023	600	21	35	1055	17.2	27	1055	387	1024.59	5955
Jun 2023	741	-13	42	955	16.1	32	955	369	1020.10	5671
Jul 2023	759	17	40	840	13.7	32	840	360	1018.06	5544
Aug 2023	831	73	43	793	12.9	31	793	363	1018.61	5578
Sep 2023	591	70	42	711	11.9	24	711	355	1016.85	5469
WY 2023	7000	619	415	8959		225	8976			
Oct 2023	480	60	39	545	8.9	16	545	352	1015.94	5413
Nov 2023	500	60	34	576	9.7	8	576	348	1015.05	5359
Dec 2023	600	70	28	477	7.8	7	477	358	1017.45	5506
Jan 2024	690	92	20	572	9.3	10	572	369	1020.18	5676
Feb 2024	610	74	18	545	9.5	7	545	376	1021.89	5783
Mar 2024	650	86	20	884	14.4	14	884	365	1019.16	5612
Apr 2024	570	53	27	1014	17.0	15	1014	338	1012.53	5206
May 2024	570	29	32	991	16.1	19	991	311	1005.49	4790
Jun 2024	600	25	38	900	15.1	27	900	291	999.90	4470
Jul 2024	680	29	36	788	12.8	31	788	282	997.45	4332
Aug 2024	730	73	39	761	12.4	32	761	280	996.96	4305
Sep 2024	564	71	38	671	11.3	28	671	274	995.23	4210
WY 2024	7244	723	369	8724		214	8724			
Oct 2024	480	69	35	488	7.9	23	488	274	995.28	4212
Nov 2024	500	68	31	585	9.8	13	585	270	994.24	4155
Dec 2024	600	69	25	522	8.5	9	522	277	996.16	4261

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
H	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
I	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
S	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
T	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
O	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
R	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
I	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
C	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
WY 2022		8899	-228	151	8495	0	8495			
A	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
L	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
*	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
	Jan 2023	458	-12	9	388	0	388	6.3	641.80	1666
	Feb 2023	537	-11	8	513	0	513	9.2	642.00	1671
	Mar 2023	961	-9	10	913	0	913	14.9	643.05	1700
	Apr 2023	1080	-13	13	1056	0	1056	17.7	643.00	1699
	May 2023	1055	-13	14	1028	0	1028	16.7	643.00	1699
	Jun 2023	955	-18	14	923	0	923	15.5	643.00	1699
	Jul 2023	840	-19	12	835	0	835	13.6	642.00	1671
	Aug 2023	793	-17	15	760	0	760	12.4	642.00	1671
	Sep 2023	711	-8	16	741	0	741	12.5	640.01	1617
WY 2023		8959	-133	151	8649	0	8651			
	Oct 2023	545	-11	14	703	0	703	11.4	633.00	1434
	Nov 2023	576	-16	13	496	0	496	8.3	635.00	1486
	Dec 2023	477	-5	13	341	0	341	5.5	639.51	1604
	Jan 2024	572	-12	9	489	0	489	8.0	641.80	1666
	Feb 2024	545	-11	8	526	0	526	9.2	641.80	1666
	Mar 2024	884	-9	10	831	0	831	13.5	643.05	1700
	Apr 2024	1014	-13	13	990	0	990	16.6	643.00	1699
	May 2024	991	-13	14	964	0	964	15.7	643.00	1699
	Jun 2024	900	-18	14	868	0	868	14.6	643.00	1699
	Jul 2024	788	-19	12	784	0	784	12.7	642.00	1671
	Aug 2024	761	-17	15	729	0	729	11.9	642.00	1671
	Sep 2024	671	-8	16	701	0	701	11.8	640.01	1617
WY 2024		8724	-151	151	8421	0	8421			
	Oct 2024	488	-11	14	646	0	646	10.5	633.00	1434
	Nov 2024	585	-16	13	505	0	505	8.5	635.00	1486
	Dec 2024	522	-5	13	386	0	386	6.3	639.51	1604

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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)
*	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
H	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
I	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
S	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
T	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
O	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
R	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
I	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
C	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	
A	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
L	Nov 2022	516	3	9	336	5.6	103	67	447.09	563	89	1.5
*	Dec 2022	436	12	7	277	4.5	101	63	447.06	562	87	1.4
	Jan 2023	388	14	6	269	4.4	70	61	446.50	552	115	1.9
	Feb 2023	513	5	8	420	7.6	11	62	447.00	561	130	2.3
	Mar 2023	913	4	9	642	10.4	99	165	446.70	555	168	2.7
	Apr 2023	1056	8	11	737	12.4	102	165	448.70	593	156	2.6
	May 2023	1028	6	13	740	12.0	105	164	448.70	593	121	2.0
	Jun 2023	923	7	16	733	12.3	102	67	448.70	593	128	2.1
	Jul 2023	835	14	17	709	11.5	105	20	448.00	580	130	2.1
	Aug 2023	760	13	17	630	10.2	105	20	447.50	571	103	1.7
	Sep 2023	741	12	15	540	9.1	102	86	447.50	570	96	1.6
	WY 2023	8651	124	139	6425		1113	1006			1388	
	Oct 2023	703	18	12	470	7.6	105	125	447.50	571	68	1.1
	Nov 2023	496	17	9	356	6.0	89	53	447.50	570	84	1.4
	Dec 2023	341	18	7	253	4.1	92	21	446.50	552	84	1.4
	Jan 2024	489	14	6	299	4.9	91	100	446.50	552	129	2.1
	Feb 2024	526	5	8	398	6.9	11	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	990	8	11	711	11.9	94	133	448.70	593	137	2.3
	May 2024	964	6	13	716	11.7	90	139	448.70	593	103	1.7
	Jun 2024	868	7	16	711	11.9	87	49	448.70	593	109	1.8
	Jul 2024	784	14	17	677	11.0	90	16	448.00	580	115	1.9
	Aug 2024	729	13	17	617	10.0	90	17	447.50	571	95	1.5
	Sep 2024	701	12	15	527	8.9	87	74	447.50	570	93	1.6
	WY 2024	8421	135	139	6335		1019	955			1272	
	Oct 2024	646	18	12	478	7.8	90	76	447.50	571	83	1.4
	Nov 2024	505	17	9	367	6.2	87	53	447.50	570	107	1.8
	Dec 2024	386	18	7	261	4.3	90	60	446.50	552	103	1.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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
*	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
H	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
I	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
S	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
T	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
O	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
R	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
I	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
C	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
WY 2022		8899							3240.9		
A	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
L	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
*	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
	Jan 2023	458	7.5	1046.23	7413	100	397.47	866.8	163.7	64	357.2
	Feb 2023	537	9.7	1046.13	7406	-7	397.23	895.3	190.9	66	355.9
	Mar 2023	961	15.6	1040.04	6980	-425	393.77	875.2	346.4	66	360.4
	Apr 2023	1080	18.1	1031.75	6421	-559	386.40	734.4	383.4	65	355.1
	May 2023	1055	17.2	1024.59	5955	-466	378.03	768.9	358.9	72	340.2
	Jun 2023	955	16.1	1020.10	5671	-284	371.66	801.8	313.5	78	328.2
	Jul 2023	840	13.7	1018.06	5544	-127	367.21	943.3	274.5	94	326.8
	Aug 2023	793	12.9	1018.61	5578	34	366.16	1012.3	256.6	100	323.7
	Sep 2023	711	11.9	1016.85	5469	-109	366.20	997.3	228.8	100	321.8
WY 2023		8959							3070.1		
	Oct 2023	545	8.9	1015.94	5413	-56	370.25	685.0	177.2	69	325.4
	Nov 2023	576	9.7	1015.05	5359	-54	371.66	677.9	189.8	69	329.6
	Dec 2023	477	7.8	1017.45	5506	148	370.30	692.9	158.3	69	331.8
	Jan 2024	572	9.3	1020.18	5676	170	370.52	726.1	187.0	70	327.1
	Feb 2024	545	9.5	1021.89	5783	107	371.97	741.7	179.3	70	329.1
	Mar 2024	884	14.4	1019.16	5612	-171	369.38	903.6	292.9	87	331.3
	Apr 2024	1014	17.0	1012.53	5206	-406	364.33	865.2	324.1	87	319.8
	May 2024	991	16.1	1005.49	4790	-417	357.55	823.8	304.2	87	306.8
	Jun 2024	900	15.1	999.90	4470	-320	351.91	693.5	272.5	81	302.6
	Jul 2024	788	12.8	997.45	4332	-138	346.40	834.3	232.8	100	295.4
	Aug 2024	761	12.4	996.96	4305	-27	345.27	830.1	223.2	100	293.2
	Sep 2024	671	11.3	995.23	4210	-95	344.82	815.5	195.1	100	290.9
WY 2024		8724							2736.5		
	Oct 2024	488	7.9	995.28	4212	2	348.43	635.5	148.8	78	304.7
	Nov 2024	585	9.8	994.24	4155	-57	350.61	596.0	176.9	74	302.3
	Dec 2024	522	8.5	996.16	4261	106	347.71	710.7	158.7	86	304.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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
*	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
H	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
I	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
S	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
T	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
O	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
R	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
I	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
C	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
WY 2022		8495							1074.5		
A	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
L	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
*	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
	Jan 2023	388	6.3	641.80	1666	50	140.66	157.9	49.2	62	126.7
	Feb 2023	513	9.2	642.00	1671	5	140.36	193.1	64.8	76	126.5
	Mar 2023	913	14.9	643.05	1700	29	138.83	255.0	114.3	100	125.1
	Apr 2023	1056	17.7	643.00	1699	-2	138.36	255.0	131.6	100	124.7
	May 2023	1028	16.7	643.00	1699	0	138.68	255.0	128.4	100	124.9
	Jun 2023	923	15.5	643.00	1699	0	139.08	255.0	115.6	100	125.3
	Jul 2023	835	13.6	642.00	1671	-27	139.25	255.0	104.8	100	125.5
	Aug 2023	760	12.4	642.00	1671	0	139.21	255.0	95.4	100	125.4
	Sep 2023	741	12.5	640.01	1617	-54	138.18	255.0	92.2	100	124.5
WY 2023		8649							1079.5		
	Oct 2023	703	11.4	633.00	1434	-183	134.07	227.0	84.9	89	120.8
	Nov 2023	496	8.3	635.00	1486	51	132.85	159.8	59.4	63	119.7
	Dec 2023	341	5.5	639.51	1604	118	137.39	154.7	42.2	61	123.8
	Jan 2024	489	8.0	641.80	1666	62	139.67	156.3	61.6	61	125.8
	Feb 2024	526	9.2	641.80	1666	0	140.30	160.0	66.5	63	126.4
	Mar 2024	831	13.5	643.05	1700	34	139.21	194.1	104.2	76	125.4
	Apr 2024	990	16.6	643.00	1699	-2	138.73	249.9	123.7	98	125.0
	May 2024	964	15.7	643.00	1699	0	139.02	255.0	120.7	100	125.2
	Jun 2024	868	14.6	643.00	1699	0	139.40	255.0	109.0	100	125.6
	Jul 2024	784	12.7	642.00	1671	-27	139.56	255.0	98.5	100	125.7
	Aug 2024	729	11.9	642.00	1671	0	139.41	255.0	91.5	100	125.6
	Sep 2024	701	11.8	640.01	1617	-54	138.44	255.0	87.4	100	124.7
WY 2024		8421							1049.7		
	Oct 2024	646	10.5	633.00	1434	-183	134.44	227.0	78.3	89	121.1
	Nov 2024	505	8.5	635.00	1486	51	132.78	159.8	60.4	63	119.6
	Dec 2024	386	6.3	639.51	1604	118	137.04	154.7	47.7	61	123.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 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
*	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
H	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
I	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
S	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
T	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
O	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
R	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
I	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
C	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
WY 2022		6231							431.0		
A	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
L	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
*	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
	Jan 2023	269	4.4	446.50	552	-11	80.37	93.9	18.2	78	67.4
	Feb 2023	420	7.6	447.00	561	9	78.72	95.2	29.0	79	69.2
	Mar 2023	642	10.4	446.70	555	-6	77.55	120.0	44.1	100	68.6
	Apr 2023	737	12.4	448.70	593	38	77.65	120.0	51.2	100	69.4
	May 2023	740	12.0	448.70	593	0	78.78	120.0	51.9	100	70.2
	Jun 2023	733	12.3	448.70	593	0	78.67	120.0	51.4	100	70.1
	Jul 2023	709	11.5	448.00	580	-13	78.62	120.0	49.4	100	69.7
	Aug 2023	630	10.2	447.50	571	-10	78.53	120.0	43.7	100	69.4
	Sep 2023	540	9.1	447.50	570	0	78.78	120.0	37.4	100	69.3
WY 2023		6425							444.7		
	Oct 2023	470	7.6	447.50	571	0	79.43	91.0	33.0	76	70.2
	Nov 2023	356	6.0	447.50	570	0	80.24	92.0	24.5	77	68.8
	Dec 2023	253	4.1	446.50	552	-19	80.73	112.3	16.1	94	63.7
	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		6335							438.8		
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Upper Basin Power



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RECLAMATION

		Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
	Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	Jan 2022	252	19	3	5	1	4
H	Feb 2022	201	17	3	4	1	3
I	Mar 2022	208	19	8	9	4	3
	Winter 2022	1259	123	34	50	17	19
S	Apr 2022	179	19	11	15	10	0
T	May 2022	214	52	20	31	18	3
O	Jun 2022	222	41	18	25	16	6
R	Jul 2022	251	29	23	29	17	7
I	Aug 2022	265	39	23	31	18	6
C	Sep 2022	201	42	14	27	13	5
	Summer 2022	1332	222	108	160	92	28
A	Oct 2022	175	42	0	21	10	2
L	Nov 2022	181	38	0	6	2	1
*	Dec 2022	199	40	1	6	2	4
	Jan 2023	175	35	5	4	2	4
	Feb 2023	167	32	4	6	1	1
	Mar 2023	169	23	5	8	4	3
	Winter 2023	1066	210	15	49	22	14
	Apr 2023	168	23	13	21	12	2
	May 2023	210	44	29	46	23	2
	Jun 2023	267	15	5	14	12	2
	Jul 2023	277	16	21	29	15	4
	Aug 2023	301	18	22	29	15	5
	Sep 2023	213	18	21	27	14	4
	Summer 2023	1437	134	113	165	90	20
	Oct 2023	171	16	19	26	9	4
	Nov 2023	178	15	4	5	3	4
	Dec 2023	211	16	4	6	3	4
	Jan 2024	239	16	4	6	3	4
	Feb 2024	209	15	4	6	3	3
	Mar 2024	220	16	5	7	4	3
	Winter 2024	1228	94	39	55	27	22
	Apr 2024	192	16	9	14	8	2
	May 2024	195	41	14	24	15	6
	Jun 2024	212	18	17	24	14	6
	Jul 2024	241	18	25	30	15	6
	Aug 2024	255	19	24	29	15	5
	Sep 2024	195	19	22	28	14	4
	Summer 2024	1291	132	112	149	81	29
	Oct 2024	165	16	21	27	10	4
	Nov 2024	171	16	4	6	4	4
	Dec 2024	203	16	5	6	4	4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

January 2023 24-Month Study

Minimum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Total	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	1,277	535	795	17783	20390	20307	40697	1277	535	795	2607	17783	20307	40697	5350	458	0	19.0
Jan 2023	1,277	535	795	17783	20390	20307	40697	64	219	189	472	17783	20307	38562	5350	458	0	19.0
Feb 2023	1,352	531	803	17928	20614	20207	40821	138	217	195	551	17928	20207	38686	1500	537	0	18.8
Mar 2023	1,415	526	808	18041	20790	20214	41004	201	214	200	614	18041	20214	38869	1500	961	0	18.4
Apr 2023	1,406	513	806	18080	20804	20640	41444	188	202	191	581	18080	20640	39300	1500	1080	0	17.9
May 2023	1,422	524	757	18094	20797	21199	41996	200	211	121	533	18094	21199	39826	1500	1055	0	18.1
Jun 2023	1,447	504	658	17508	20118	21665	41783	220	178	-13	385	17508	21665	39558	1500	955	0	18.9
Jul 2023	1,287	345	686	16787	19104	21949	41053	49	-3	-37	9	16787	21949	38745	1500	840	0	18.6
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2023	1,252	344	778	16834	19208	22076	41284	1252	344	778	2374	16834	22076	41284	1500	793	0	18.1
Sep 2023	1,276	369	868	17171	19684	22042	41726	1276	369	868	2513	17171	22042	41726	2270	711	0	17.7
Oct 2023	1,309	404	926	17354	19993	22151	42144	1309	404	926	2639	17354	22151	42144	3040	545	0	17.3
Nov 2023	1,321	444	931	17439	20135	22207	42342	1321	444	931	2696	17439	22207	42342	3810	576	0	17.2
Dec 2023	1,327	427	931	17540	20225	22261	42486	1327	427	931	2685	17540	22261	42486	4580	477	0	17.2
Jan 2024	1,345	416	934	17784	20478	22114	42592	1345	416	934	2694	17784	22114	42592	5350	572	0	17.1
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2024	1,345	416	934	17784	20478	22114	42592	316	256	281	853	17784	22114	40750	5350	572	0	17.1
Feb 2024	1,357	405	933	18123	20818	21944	42762	325	246	280	851	18123	21944	40918	1500	545	0	17.0
Mar 2024	1,364	395	928	18354	21042	21837	42879	329	236	275	840	18354	21837	41031	1500	884	0	16.7
Apr 2024	1,349	378	893	18512	21132	22008	43140	310	219	233	762	18512	22008	41282	1500	1014	0	16.5
May 2024	1,310	349	858	18508	21025	22414	43439	267	186	175	627	18508	22414	41549	1500	991	0	16.9
Jun 2024	1,280	254	777	17846	20158	22830	42988	229	76	56	361	17846	22830	41037	1500	900	0	17.5
Jul 2024	1,101	162	761	17260	19284	23150	42435	36	-31	-14	-9	17260	23150	40401	1500	788	0	17.0
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2024	1,080	185	834	17552	19651	23288	42939	1080	185	834	2099	17552	23288	42939	1500	761	0	16.4
Sep 2024	1,106	217	901	17923	20148	23315	43462	1106	217	901	2224	17923	23315	43462	2270	671	0	15.9
Oct 2024	1,142	258	935	18144	20479	23410	43889	1142	258	935	2335	18144	23410	43889	3040	488	0	15.6
Nov 2024	1,155	300	940	18238	20633	23408	44041	1155	300	940	2395	18238	23408	44041	3810	585	0	15.5
Dec 2024	1,159	286	942	18355	20742	23465	44207	1159	286	942	2387	18355	23465	44207	4580	522	0	15.4

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