

To: All Annual Operating Plan Recipients

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In addition to the September 2022 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 September to determine a possible range of reservoir elevations under Probable Minimum inflow scenarios. The August 2022 24-Month Study Probable Maximum inflow, along with the September 2022 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/2022/September-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 actions which together are anticipated to add approximately one million additional acre-feet of storage to Lake Powell by April 2023. The Department of Interior and Reclamation will work to determine the manner in which to operate Glen Canyon Dam to ensure the benefits of these actions are preserved.

The reduction of releases from Lake Powell from 7.48 maf to 7.00 maf in WY 2022 will result 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) will not affect future operating determinations and will be 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 tier/condition purposes both for the U.S. Lower Basin and for Mexico unless otherwise determined through additional consultation and communication.

The WY 2023 unregulated inflow into Lake Powell in the Probable Minimum inflow scenario is 4.70 maf, or 49% of average. The September Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.00 maf in WY 2022 and 7.00 maf in WY 2023. Under the Probable Minimum scenario,

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>.

Lake Powell's physical elevation is projected to be 3,484.66 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 0.634 maf in calendar year 2023, Lake Mead's physical elevation is projected to be 1,014.03 feet on December 31, 2023.

The 2022 AOP is available online at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP22.pdf>.

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 Drought Response Operations Agreement is online at:

<https://www.usbr.gov/dcp/droa.html>.

The Upper Basin Hydrology Summary is available online at:

https://www.usbr.gov/uc/water/crsp/studies/24Month_09_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
H	Oct 2021	37	1	33	4	37	6491.62	229
I	Nov 2021	39	1	43	0	43	6491.01	225
S	Dec 2021	29	1	50	0	50	6487.63	203
T	Jan 2022	29	1	51	0	51	6483.90	180
O	Feb 2022	23	1	46	0	46	6479.63	157
R	Mar 2022	46	1	50	0	50	6478.63	151
I	Apr 2022	50	1	5	44	49	6478.74	152
C	May 2022	63	1	47	8	55	6479.96	158
A	Jun 2022	241	2	82	0	82	6503.59	315
L	Jul 2022	102	3	83	11	93	6504.34	321
*	Aug 2022	56	2	67	1	68	6502.43	306
	Sep 2022	33	2	53	0	53	6499.53	285
	WY 2022	747	15	609	67	677		
	Oct 2022	36	1	52	0	52	6497.22	268
	Nov 2022	34	1	50	0	50	6494.86	251
	Dec 2022	14	1	52	0	52	6489.19	213
	Jan 2023	13	1	52	0	52	6482.77	174
	Feb 2023	12	1	47	0	47	6475.99	139
	Mar 2023	21	0	47	0	47	6469.90	112
	Apr 2023	33	1	27	0	27	6471.27	118
	May 2023	65	1	28	0	28	6479.12	154
	Jun 2023	138	2	27	0	27	6496.53	263
	Jul 2023	83	3	54	0	54	6500.20	290
	Aug 2023	30	2	56	0	56	6496.40	262
	Sep 2023	20	2	51	0	51	6491.74	230
	WY 2023	499	14	540	0	540		
	Oct 2023	30	1	52	0	52	6488.20	207
	Nov 2023	35	1	51	0	51	6485.60	190
	Dec 2023	32	1	52	0	52	6482.03	170
	Jan 2024	29	1	52	0	52	6477.50	146
	Feb 2024	27	0	49	0	49	6472.62	123
	Mar 2024	43	0	55	0	55	6469.71	111
	Apr 2024	65	1	34	25	60	6470.92	116
	May 2024	116	1	68	0	68	6480.92	163
	Jun 2024	201	2	74	0	74	6499.95	288
	Jul 2024	90	3	61	0	61	6503.40	314
	Aug 2024	42	2	61	0	61	6500.52	292

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
H	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
I	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
S	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
T	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
O	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
R	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
C	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
A	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
L	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
*	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
	Sep 2022	35	55	9	110	0	110	102	6012.80	2673	120
	WY 2022	900	829	70	926	60	986				2132
	Oct 2022	44	60	6	99	0	99	100	6011.42	2629	123
	Nov 2022	42	58	3	95	0	95	98	6010.20	2590	122
	Dec 2022	16	54	1	89	0	89	97	6009.07	2555	102
	Jan 2023	17	56	1	92	0	92	95	6007.89	2518	104
	Feb 2023	19	54	2	83	0	83	94	6006.90	2488	95
	Mar 2023	46	72	2	92	0	92	93	6006.19	2466	124
	Apr 2023	57	51	4	89	0	89	92	6004.85	2426	203
	May 2023	98	61	6	141	0	141	88	6002.08	2343	431
	Jun 2023	191	80	8	51	0	51	89	6002.77	2364	274
	Jul 2023	107	78	11	52	0	52	90	6003.25	2378	88
	Aug 2023	37	63	10	61	0	61	89	6002.97	2369	69
	Sep 2023	25	56	9	58	0	58	89	6002.61	2359	66
	WY 2023	699	740	63	1003	0	1003				1802
	Oct 2023	37	59	6	52	0	52	89	6002.65	2360	72
	Nov 2023	42	58	3	51	0	51	89	6002.79	2364	77
	Dec 2023	33	53	1	52	0	52	89	6002.78	2364	77
	Jan 2024	40	63	1	52	0	52	90	6003.09	2373	77
	Feb 2024	42	64	2	49	0	49	90	6003.52	2386	74
	Mar 2024	68	80	2	52	0	52	91	6004.32	2410	117
	Apr 2024	91	86	4	51	0	51	92	6005.31	2440	216
	May 2024	165	117	6	131	0	131	91	6004.65	2420	543
	Jun 2024	249	122	8	60	0	60	94	6006.37	2472	286
	Jul 2024	92	63	11	52	0	52	94	6006.38	2472	68
	Aug 2024	45	64	10	53	0	53	94	6006.43	2474	64

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir



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RECLAMATION

	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
Date				
* Sep 2021	4	10	9302.48	59
WY 2021	92	102		
H Oct 2021	5	5	9302.69	59
I Nov 2021	4	4	9302.58	59
S Dec 2021	5	5	9302.55	59
T Jan 2022	4	4	9302.29	58
O Feb 2022	3	4	9301.88	58
R Mar 2022	4	4	9301.56	57
I Apr 2022	8	6	9302.92	59
C May 2022	27	12	9312.55	74
A Jun 2022	26	19	9316.61	81
L Jul 2022	11	15	9314.18	77
* Aug 2022	8	14	9310.27	70
Sep 2022	6	8	9309.30	69
WY 2022	110	100		
Oct 2022	6	6	9309.50	69
Nov 2022	5	5	9309.47	69
Dec 2022	3	5	9308.03	67
Jan 2023	3	5	9306.58	65
Feb 2023	3	5	9305.38	63
Mar 2023	3	5	9303.88	61
Apr 2023	6	5	9304.57	62
May 2023	20	11	9310.44	71
Jun 2023	30	15	9319.26	86
Jul 2023	11	18	9315.28	79
Aug 2023	6	15	9309.81	70
Sep 2023	5	15	9303.19	60
WY 2023	101	110		
Oct 2023	5	6	9302.49	59
Nov 2023	4	4	9302.17	58
Dec 2023	4	5	9301.74	58
Jan 2024	4	5	9301.31	57
Feb 2024	4	4	9301.20	57
Mar 2024	4	5	9300.77	56
Apr 2024	8	4	9303.60	60
May 2024	23	9	9312.66	74
Jun 2024	28	15	9320.14	87
Jul 2024	9	18	9315.04	78
Aug 2024	7	15	9310.19	70

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
H	Oct 2021	27	26	0	58	0	58	7429.52	209
I	Nov 2021	27	27	0	16	0	16	7431.94	220
S	Dec 2021	22	22	0	11	0	11	7434.40	231
T	Jan 2022	20	20	0	14	0	14	7435.60	236
O	Feb 2022	18	19	0	14	0	14	7436.57	241
R	Mar 2022	30	30	0	32	0	32	7436.17	239
I	Apr 2022	62	60	0	44	0	46	7438.94	252
C	May 2022	177	162	1	79	0	79	7454.56	335
A	Jun 2022	133	126	1	69	0	69	7463.76	391
L	Jul 2022	59	63	1	84	0	84	7460.15	368
*	Aug 2022	57	64	1	89	0	89	7455.69	341
	Sep 2022	30	32	1	37	38	76	7447.67	297
	WY 2022	660	650	6	548	38	589		
	Oct 2022	29	29	0	0	74	74	7438.60	251
	Nov 2022	26	26	0	0	14	14	7441.03	263
	Dec 2022	12	14	0	16	0	16	7440.72	261
	Jan 2023	12	14	0	17	0	17	7440.19	258
	Feb 2023	11	13	0	16	0	16	7439.55	255
	Mar 2023	17	19	0	20	0	20	7439.43	255
	Apr 2023	37	36	0	57	0	57	7434.92	233
	May 2023	121	112	1	54	0	54	7446.56	291
	Jun 2023	151	136	1	49	0	49	7461.62	377
	Jul 2023	55	62	1	75	0	75	7459.26	363
	Aug 2023	30	39	1	77	0	77	7452.56	324
	Sep 2023	20	30	1	76	0	76	7443.88	277
	WY 2023	521	530	6	456	88	544		
	Oct 2023	25	26	0	73	0	73	7434.20	230
	Nov 2023	26	26	0	15	0	15	7436.61	241
	Dec 2023	25	26	0	14	0	14	7439.07	253
	Jan 2024	24	25	0	14	0	14	7441.28	264
	Feb 2024	23	23	0	13	0	13	7443.18	273
	Mar 2024	35	36	0	18	0	18	7446.62	291
	Apr 2024	64	60	1	32	0	32	7451.72	319
	May 2024	159	145	1	50	0	50	7467.20	413
	Jun 2024	165	152	1	64	0	64	7479.62	499
	Jul 2024	53	62	1	88	0	88	7475.78	472
	Aug 2024	42	50	1	77	0	77	7471.76	443

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
H	Oct 2021	27	58	1	59	61	0	61	7149.67	109
I	Nov 2021	30	16	3	19	17	0	17	7151.77	110
S	Dec 2021	23	11	1	12	16	0	16	7145.62	106
T	Jan 2022	21	14	1	15	16	0	16	7144.25	105
O	Feb 2022	19	14	1	15	14	0	14	7145.30	105
R	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
C	May 2022	186	79	9	88	89	0	89	7152.08	111
A	Jun 2022	134	69	1	70	71	0	71	7150.86	110
L	Jul 2022	60	84	1	85	84	0	84	7152.31	111
*	Aug 2022	58	89	1	90	90	0	90	7152.25	111
	Sep 2022	31	76	1	77	75	0	75	7153.73	112
	WY 2022	684	589	24	613	611	0	611		
	Oct 2022	31	74	2	76	76	0	76	7153.73	112
	Nov 2022	27	14	1	15	15	0	15	7153.73	112
	Dec 2022	14	16	2	18	18	0	18	7153.73	112
	Jan 2023	13	17	1	18	18	0	18	7153.73	112
	Feb 2023	12	16	1	17	17	0	17	7153.73	112
	Mar 2023	18	20	1	21	20	0	20	7153.73	112
	Apr 2023	39	57	2	59	59	0	59	7153.73	112
	May 2023	136	54	15	69	69	0	69	7153.73	112
	Jun 2023	162	49	11	60	60	0	60	7153.72	112
	Jul 2023	57	75	2	77	77	0	77	7153.73	112
	Aug 2023	32	77	2	79	79	0	79	7153.73	112
	Sep 2023	20	76	0	76	76	0	76	7153.73	112
	WY 2023	561	544	40	584	584	0	584		
	Oct 2023	26	73	1	74	74	0	74	7153.73	112
	Nov 2023	27	15	1	16	16	0	16	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	32	8	40	40	0	40	7153.73	112
	May 2024	176	50	17	67	67	0	67	7153.73	112
	Jun 2024	173	64	8	72	72	0	72	7153.72	112
	Jul 2024	54	88	1	89	89	0	89	7153.73	112
	Aug 2024	43	77	1	78	78	0	78	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61	36
	WY 2021	591	734	52	785	762	22	784			423	365
H	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
I	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
S	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
T	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
O	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
R	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
C	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
A	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
L	Jul 2022	64	84	4	88	89	0	90	6747.68	15	65	28
*	Aug 2022	62	90	3	94	92	0	92	6751.52	17	66	31
	Sep 2022	35	75	4	79	79	0	79	6753.04	17	55	24
	WY 2022	756	611	72	683	633	50	682			387	298
	Oct 2022	35	76	4	80	80	0	80	6753.04	17	55	25
	Nov 2022	31	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2022	16	18	2	20	20	0	20	6753.04	17	0	20
	Jan 2023	15	18	2	20	20	0	20	6753.04	17	0	20
	Feb 2023	13	17	1	18	18	0	18	6753.04	17	0	18
	Mar 2023	22	20	4	24	24	0	24	6753.04	17	5	19
	Apr 2023	48	59	9	68	68	0	68	6753.04	17	42	26
	May 2023	152	69	16	85	85	0	85	6753.04	17	62	23
	Jun 2023	181	60	19	79	79	0	79	6753.03	17	40	39
	Jul 2023	61	77	4	81	81	0	81	6753.04	17	30	51
	Aug 2023	34	79	2	81	81	0	81	6753.04	17	40	41
	Sep 2023	22	76	2	78	78	0	78	6753.04	17	55	23
	WY 2023	630	584	69	653	652	0	652			329	323
	Oct 2023	29	74	3	77	77	0	77	6753.04	17	55	22
	Nov 2023	30	16	3	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	5	19
	Apr 2024	82	40	10	50	50	0	50	6753.04	17	42	8
	May 2024	195	67	19	86	86	0	86	6753.04	17	62	24
	Jun 2024	190	72	17	89	89	0	89	6753.03	17	40	49
	Jul 2024	57	89	3	92	92	0	92	6753.04	17	30	62
	Aug 2024	48	78	5	83	83	0	83	6753.04	17	40	43

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
* Sep 2021	7	26	7615.74	24
WY 2021	166	169		
H Oct 2021	8	3	7619.62	29
I Nov 2021	5	2	7621.90	32
S Dec 2021	4	0	7624.23	35
T Jan 2022	4	0	7626.39	39
O Feb 2022	3	0	7628.13	42
R Mar 2022	7	0	7631.90	48
I Apr 2022	27	2	7644.01	73
C May 2022	53	33	7652.10	92
A Jun 2022	26	34	7648.50	83
L Jul 2022	19	32	7642.57	70
* Aug 2022	18	28	7637.64	59
Sep 2022	10	29	7627.06	40
WY 2022	183	164		
Oct 2022	10	17	7622.34	33
Nov 2022	7	2	7625.71	38
Dec 2022	6	2	7628.20	42
Jan 2023	6	2	7630.54	46
Feb 2023	5	2	7632.33	49
Mar 2023	6	2	7634.44	53
Apr 2023	16	2	7641.24	67
May 2023	45	25	7649.80	87
Jun 2023	21	34	7643.89	73
Jul 2023	8	33	7631.24	47
Aug 2023	9	31	7616.90	25
Sep 2023	12	24	7604.97	13
WY 2023	151	175		
Oct 2023	10	13	7600.92	10
Nov 2023	7	2	7607.34	15
Dec 2023	6	2	7611.55	19
Jan 2024	6	2	7615.25	23
Feb 2024	5	2	7617.90	27
Mar 2024	8	2	7622.37	33
Apr 2024	19	2	7632.57	50
May 2024	56	27	7646.15	78
Jun 2024	40	37	7647.27	81
Jul 2024	13	36	7636.56	57
Aug 2024	12	33	7624.81	36

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
	WY 2021	461	60	405	23	222	359			549
H	Oct 2021	20	0	16	1	2	28	6022.31	887	45
I	Nov 2021	14	0	10	1	0	18	6021.39	879	36
S	Dec 2021	15	0	11	0	0	18	6020.63	872	35
T	Jan 2022	14	0	10	0	0	22	6019.21	859	38
O	Feb 2022	14	0	11	1	1	20	6018.00	848	33
R	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
C	May 2022	167	30	114	3	38	18	6029.39	954	104
A	Jun 2022	47	7	50	3	37	24	6027.89	939	61
L	Jul 2022	44	5	54	3	39	35	6025.41	916	55
*	Aug 2022	53	5	56	3	38	30	6023.95	902	48
	Sep 2022	14	0	33	2	29	42	6019.66	863	56
	WY 2022	566	65	482	20	205	297			593
	Oct 2022	17	0	24	1	9	33	6017.49	844	45
	Nov 2022	17	0	12	1	0	24	6016.01	831	34
	Dec 2022	28	0	23	0	0	19	6016.53	836	32
	Jan 2023	30	1	25	0	0	20	6017.06	840	32
	Feb 2023	28	1	24	1	0	15	6017.99	848	26
	Mar 2023	56	5	47	1	5	20	6020.36	869	33
	Apr 2023	86	9	63	2	21	20	6022.52	889	49
	May 2023	146	18	108	3	35	15	6028.35	944	104
	Jun 2023	30	2	41	3	51	42	6022.42	888	98
	Jul 2023	-4	1	20	3	56	60	6011.13	790	77
	Aug 2023	-19	0	3	2	39	46	6000.60	705	64
	Sep 2023	14	0	26	2	18	37	5996.54	674	56
	WY 2023	429	37	416	19	235	351			650
	Oct 2023	22	0	25	1	9	28	5994.78	661	46
	Nov 2023	24	1	18	1	0	18	5994.65	660	34
	Dec 2023	24	0	19	0	0	17	5994.94	662	31
	Jan 2024	24	0	20	0	0	19	5994.95	662	32
	Feb 2024	27	1	23	0	0	15	5995.92	670	27
	Mar 2024	74	7	60	1	6	15	6000.95	708	33
	Apr 2024	110	13	80	2	21	15	6006.26	750	55
	May 2024	190	25	136	2	36	18	6015.90	830	130
	Jun 2024	102	12	87	3	52	19	6017.46	844	118
	Jul 2024	9	0	32	3	55	47	6008.73	770	77
	Aug 2024	2	0	23	2	46	42	6000.23	702	64

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
H	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
I	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
S	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
T	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
O	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
R	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	585
I	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	523
C	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	631
A	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	626
L	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	698
*	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	740
	Sep 2022	240	415	24	548	0	548	3529.25	4517	5793	561
	WY 2022	6079	6103	203	7000	0	7000				7186
	Oct 2022	350	476	17	480	0	480	3528.92	4516	5773	492
	Nov 2022	375	423	16	500	0	500	3527.45	4509	5687	512
	Dec 2022	157	225	13	600	0	600	3521.18	4480	5328	613
	Jan 2023	144	215	3	664	0	664	3513.55	4446	4909	682
	Feb 2023	144	201	3	587	0	587	3506.66	4418	4548	601
	Mar 2023	239	261	5	620	0	620	3499.91	4391	4211	631
	Apr 2023	383	399	8	552	0	552	3496.84	4379	4063	561
	May 2023	945	843	9	550	0	550	3502.23	4400	4326	554
	Jun 2023	1207	1030	16	577	0	577	3510.16	4432	4730	574
	Jul 2023	417	503	21	652	0	652	3507.13	4419	4572	655
	Aug 2023	171	347	20	696	0	696	3500.30	4392	4230	710
	Sep 2023	168	298	18	522	0	522	3495.67	4374	4007	535
	WY 2023	4700	5221	149	7000	0	7000				7120
	Oct 2023	281	359	12	480	0	480	3493.06	4364	3884	491
	Nov 2023	368	361	12	500	0	500	3490.04	4353	3744	511
	Dec 2023	347	348	9	500	100	600	3484.66	4334	3503	613
	Jan 2024	333	330	2	0	664	664	3477.47	4309	3192	682
	Feb 2024	378	364	2	0	587	587	3472.47	4292	2984	601
	Mar 2024	564	485	3	0	620	620	3469.31	4282	2856	636
	Apr 2024	716	582	5	0	552	552	3469.88	4284	2879	562
	May 2024	1552	1298	7	0	550	550	3486.07	4339	3565	556
	Jun 2024	1570	1261	14	577	0	577	3499.38	4389	4186	582
	Jul 2024	298	387	18	652	0	652	3493.90	4368	3924	657
	Aug 2024	211	340	17	663	33	696	3486.35	4340	3578	710

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
H	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
I	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
S	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
T	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
O	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
R	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
C	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
A	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
L	Jul 2022	672	72	45	822	13.4	33	814	458	1040.92	7041
*	Aug 2022	713	186	48	573	9.3	28	567	473	1044.28	7275
	Sep 2022	548	70	48	553	9.3	30	553	472	1044.11	7264
	WY 2022	7000	729	463	8913		236	8895			
	Oct 2022	480	62	45	545	8.9	23	545	468	1043.16	7197
	Nov 2022	500	61	39	606	10.2	12	606	462	1041.88	7107
	Dec 2022	600	66	32	543	8.8	7	543	467	1043.01	7186
	Jan 2023	664	94	22	607	9.9	11	607	474	1044.59	7297
	Feb 2023	587	73	21	552	9.9	8	552	479	1045.66	7373
	Mar 2023	620	59	22	886	14.4	15	886	464	1042.40	7144
	Apr 2023	552	50	30	997	16.8	17	997	437	1036.35	6729
	May 2023	550	21	36	979	15.9	21	979	409	1029.79	6292
	Jun 2023	577	-13	43	918	15.4	29	918	383	1023.59	5891
	Jul 2023	652	17	41	831	13.5	33	831	369	1020.08	5670
	Aug 2023	696	73	43	801	13.0	35	801	362	1018.40	5565
	Sep 2023	522	70	42	695	11.7	31	695	351	1015.71	5399
	WY 2023	7000	633	416	8960		242	8960			
	Oct 2023	480	60	39	530	8.6	26	530	348	1014.87	5348
	Nov 2023	500	60	34	653	11.0	14	653	339	1012.69	5216
	Dec 2023	600	70	28	546	8.9	9	546	344	1014.03	5297
	Jan 2024	664	92	19	549	8.9	11	549	355	1016.75	5463
	Feb 2024	587	74	18	497	8.6	8	497	364	1018.85	5593
	Mar 2024	620	86	20	830	13.5	15	830	354	1016.43	5443
	Apr 2024	552	53	26	941	15.8	17	941	331	1010.54	5087
	May 2024	550	29	32	927	15.1	21	927	306	1004.11	4710
	Jun 2024	577	25	38	879	14.8	30	879	285	998.42	4386
	Jul 2024	652	29	36	792	12.9	34	792	274	995.35	4216
	Aug 2024	696	73	38	771	12.5	36	771	269	994.05	4145

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
H	Oct 2021	581	-3	14	658	0	658	10.7	634.42	1471
I	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
S	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
T	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
O	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
R	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
C	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
A	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
L	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
*	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
	Sep 2022	553	-8	16	633	0	633	10.6	639.01	1591
	WY 2022	8913	-230	151	8511	0	8511			
	Oct 2022	545	-11	14	651	0	651	10.6	634.00	1460
	Nov 2022	606	-16	13	551	0	551	9.3	635.00	1486
	Dec 2022	543	-5	13	407	0	407	6.6	639.51	1604
	Jan 2023	607	-12	9	525	0	525	8.5	641.80	1666
	Feb 2023	552	-11	8	533	0	533	9.6	641.80	1666
	Mar 2023	886	-9	10	833	0	833	13.5	643.05	1700
	Apr 2023	997	-13	13	973	0	973	16.4	643.00	1699
	May 2023	979	-13	14	951	0	951	15.5	643.00	1699
	Jun 2023	918	-18	14	886	0	886	14.9	643.00	1699
	Jul 2023	831	-19	12	826	0	826	13.4	642.00	1671
	Aug 2023	801	-17	15	769	0	769	12.5	642.00	1671
	Sep 2023	695	-8	16	725	0	725	12.2	640.01	1617
	WY 2023	8960	-151	151	8631	0	8631			
	Oct 2023	530	-11	14	688	0	688	11.2	633.00	1434
	Nov 2023	653	-16	13	572	0	572	9.6	635.00	1486
	Dec 2023	546	-5	13	410	0	410	6.7	639.51	1604
	Jan 2024	549	-12	9	467	0	467	7.6	641.80	1666
	Feb 2024	497	-11	8	479	0	479	8.3	641.80	1666
	Mar 2024	830	-9	10	777	0	777	12.6	643.05	1700
	Apr 2024	941	-13	13	917	0	917	15.4	643.00	1699
	May 2024	927	-13	14	900	0	900	14.6	643.00	1699
	Jun 2024	879	-18	14	846	0	846	14.2	643.00	1699
	Jul 2024	792	-19	12	787	0	787	12.8	642.00	1671
	Aug 2024	771	-17	15	739	0	739	12.0	642.00	1671

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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)
*	Sep 2021	756	5	15	516	8.7	97	106	448.49	590	116	1.9
	WY 2021	9040	116	140	6393		1065	1441			1519	
H	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
I	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
S	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
T	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
O	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
R	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
C	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
A	Jun 2022	842	18	15	679	11.4	103	60	448.31	586	154	2.6
L	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
*	Aug 2022	575	42	17	482	7.8	106	16	448.16	583	115	1.9
	Sep 2022	633	12	15	453	7.6	103	77	447.50	571	103	1.7
	WY 2022	8511	175	140	6226		1117	1137			1488	
	Oct 2022	651	18	12	456	7.4	106	89	447.50	571	62	1.0
	Nov 2022	551	17	9	386	6.5	96	72	447.50	570	91	1.5
	Dec 2022	407	18	7	267	4.3	99	68	446.50	552	86	1.4
	Jan 2023	525	14	6	310	5.0	103	115	446.50	552	136	2.2
	Feb 2023	533	5	8	401	7.2	22	101	446.50	552	122	2.2
	Mar 2023	833	4	9	609	9.9	103	104	446.70	555	145	2.4
	Apr 2023	973	8	11	715	12.0	100	108	448.70	593	144	2.4
	May 2023	951	6	13	722	11.7	103	108	448.70	593	108	1.8
	Jun 2023	886	7	16	719	12.1	100	45	448.70	593	114	1.9
	Jul 2023	826	14	17	684	11.1	103	37	448.00	580	120	2.0
	Aug 2023	769	13	17	624	10.2	103	36	447.50	571	100	1.6
	Sep 2023	725	12	15	524	8.8	100	88	447.50	570	97	1.6
	WY 2023	8631	135	139	6417		1135	968			1325	
	Oct 2023	688	18	12	482	7.8	103	102	447.50	571	87	1.4
	Nov 2023	572	17	9	372	6.2	100	103	447.50	570	113	1.9
	Dec 2023	410	18	7	260	4.2	103	73	446.50	552	108	1.8
	Jan 2024	467	14	6	292	4.7	85	93	446.50	552	119	1.9
	Feb 2024	479	5	8	385	6.7	2	82	446.50	552	107	1.9
	Mar 2024	777	4	9	590	9.6	85	84	446.70	555	127	2.1
	Apr 2024	917	8	11	697	11.7	82	87	448.70	593	126	2.1
	May 2024	900	6	13	709	11.5	85	87	448.70	593	95	1.5
	Jun 2024	846	7	16	705	11.8	82	37	448.70	593	100	1.7
	Jul 2024	787	14	17	669	10.9	85	31	448.00	580	106	1.7
	Aug 2024	739	13	17	618	10.1	85	30	447.50	571	87	1.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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
*	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
	WY 2021	9361							3643.8		
H	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
I	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
S	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
T	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
O	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
R	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
C	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
A	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
L	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
*	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
	Sep 2022	553	9.3	1044.11	7264	-12	393.70	1157.3	192.5	88	348.3
	WY 2022	8913							3244.9		
	Oct 2022	545	8.9	1043.16	7197	-66	397.61	916.0	191.9	69	352.2
	Nov 2022	606	10.2	1041.88	7107	-90	397.87	939.8	216.6	72	357.6
	Dec 2022	543	8.8	1043.01	7186	79	396.00	948.8	190.2	72	350.2
	Jan 2023	607	9.9	1044.59	7297	111	395.12	960.0	214.8	72	353.8
	Feb 2023	552	9.9	1045.66	7373	75	396.25	887.1	196.4	66	356.0
	Mar 2023	886	14.4	1042.40	7144	-229	394.11	884.0	320.2	73	361.4
	Apr 2023	997	16.8	1036.35	6729	-415	389.19	836.3	351.0	72	352.0
	May 2023	979	15.9	1029.79	6292	-437	382.92	798.9	339.8	72	347.2
	Jun 2023	918	15.4	1023.59	5891	-401	375.33	893.0	307.3	85	334.8
	Jul 2023	831	13.5	1020.08	5670	-221	369.29	1026.7	272.9	100	328.5
	Aug 2023	801	13.0	1018.40	5565	-105	367.05	1012.4	260.4	100	325.0
	Sep 2023	695	11.7	1015.71	5399	-166	365.54	989.6	222.8	100	320.4
	WY 2023	8960							3084.4		
	Oct 2023	530	8.6	1014.87	5348	-51	369.16	679.9	171.4	69	323.4
	Nov 2023	653	11.0	1012.69	5216	-132	369.97	664.7	213.2	69	326.8
	Dec 2023	546	8.9	1014.03	5297	81	367.43	672.9	176.2	69	322.6
	Jan 2024	549	8.9	1016.75	5463	166	366.57	753.8	176.5	76	321.2
	Feb 2024	497	8.6	1018.85	5593	130	369.03	684.7	160.8	67	323.6
	Mar 2024	830	13.5	1016.43	5443	-150	367.69	747.1	273.2	75	329.1
	Apr 2024	941	15.8	1010.54	5087	-356	362.60	765.0	302.0	81	320.9
	May 2024	927	15.1	1004.11	4710	-377	357.17	661.3	288.6	74	311.2
	Jun 2024	879	14.8	998.42	4386	-323	350.49	683.3	263.5	81	299.9
	Jul 2024	792	12.9	995.35	4216	-170	344.63	816.5	231.9	100	292.9
	Aug 2024	771	12.5	994.05	4145	-71	342.79	805.4	223.5	100	289.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 24-Month Study

Minimum Probable Inflow*

Davis Dam - Lake Mohave



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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
*	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
	WY 2021	9040							1141.6		
H	Oct 2021	658	10.7	634.42	1471	-95	134.72	215.5	80.2	85	121.9
I	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
S	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
T	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
O	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
R	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
C	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
A	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
L	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
*	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
	Sep 2022	633	10.6	639.01	1591	-104	138.82	248.2	79.2	97	125.1
	WY 2022	8511							1075.2		
	Oct 2022	651	10.6	634.00	1460	-131	134.41	212.2	78.8	83	121.1
	Nov 2022	551	9.3	635.00	1486	26	132.95	183.6	66.0	72	119.8
	Dec 2022	407	6.6	639.51	1604	118	136.88	161.2	50.2	63	123.3
	Jan 2023	525	8.5	641.80	1666	62	139.42	195.8	65.9	77	125.6
	Feb 2023	533	9.6	641.80	1666	0	140.11	156.6	67.3	61	126.2
	Mar 2023	833	13.5	643.05	1700	34	139.20	194.1	104.5	76	125.4
	Apr 2023	973	16.4	643.00	1699	-2	138.81	249.9	121.7	98	125.1
	May 2023	951	15.5	643.00	1699	0	139.09	255.0	119.2	100	125.3
	Jun 2023	886	14.9	643.00	1699	0	139.29	255.0	111.1	100	125.5
	Jul 2023	826	13.4	642.00	1671	-27	139.31	255.0	103.7	100	125.5
	Aug 2023	769	12.5	642.00	1671	0	139.16	255.0	96.4	100	125.4
	Sep 2023	725	12.2	640.01	1617	-54	138.28	255.0	90.3	100	124.6
	WY 2023	8631							1075.2		
	Oct 2023	688	11.2	633.00	1434	-183	134.17	227.0	83.1	89	120.9
	Nov 2023	572	9.6	635.00	1486	51	132.30	159.8	68.2	63	119.2
	Dec 2023	410	6.7	639.51	1604	118	136.85	154.7	50.6	61	123.3
	Jan 2024	467	7.6	641.80	1666	62	139.84	156.3	58.8	61	126.0
	Feb 2024	479	8.3	641.80	1666	0	140.66	160.0	60.6	63	126.7
	Mar 2024	777	12.6	643.05	1700	34	139.53	194.1	97.7	76	125.7
	Apr 2024	917	15.4	643.00	1699	-2	139.13	249.9	115.0	98	125.3
	May 2024	900	14.6	643.00	1699	0	139.38	255.0	113.0	100	125.6
	Jun 2024	846	14.2	643.00	1699	0	139.52	255.0	106.4	100	125.7
	Jul 2024	787	12.8	642.00	1671	-27	139.55	255.0	99.0	100	125.7
	Aug 2024	739	12.0	642.00	1671	0	139.34	255.0	92.7	100	125.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 24-Month Study

Minimum Probable Inflow*

Parker Dam - Lake Havasu



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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
*	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
	WY 2021	6393							442.4		
H	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
I	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
S	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
T	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
O	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
R	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
C	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
A	Jun 2022	679	11.4	448.31	586	-7	78.23	120.0	47.2	100	69.4
L	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
*	Aug 2022	482	7.8	448.16	583	-13	83.57	120.0	33.4	100	69.3
	Sep 2022	453	7.6	447.50	571	-12	79.77	120.0	31.8	100	70.1
	WY 2022	6226							431.4		
	Oct 2022	456	7.4	447.50	571	0	79.54	93.9	32.1	78	70.3
	Nov 2022	386	6.5	447.50	570	0	79.98	90.0	26.5	75	68.5
	Dec 2022	267	4.3	446.50	552	-19	80.62	111.3	17.0	93	63.6
	Jan 2023	310	5.0	446.50	552	0	79.73	93.9	20.7	78	66.9
	Feb 2023	401	7.2	446.50	552	0	78.63	95.2	27.7	79	69.1
	Mar 2023	609	9.9	446.70	555	4	77.52	120.0	41.8	100	68.6
	Apr 2023	715	12.0	448.70	593	38	77.79	120.0	49.7	100	69.5
	May 2023	722	11.7	448.70	593	0	78.89	120.0	50.8	100	70.3
	Jun 2023	719	12.1	448.70	593	0	78.76	120.0	50.4	100	70.2
	Jul 2023	684	11.1	448.00	580	-13	78.78	120.0	47.8	100	69.8
	Aug 2023	624	10.2	447.50	571	-10	78.57	120.0	43.3	100	69.4
	Sep 2023	524	8.8	447.50	570	0	78.89	120.0	36.4	100	69.4
	WY 2023	6417							444.1		
	Oct 2023	482	7.8	447.50	571	0	79.34	91.0	33.8	76	70.1
	Nov 2023	372	6.2	447.50	570	0	80.11	92.0	25.5	77	68.6
	Dec 2023	260	4.2	446.50	552	-19	80.67	112.3	16.6	94	63.7
	Jan 2024	292	4.7	446.50	552	0	79.89	92.9	19.6	77	67.0
	Feb 2024	385	6.7	446.50	552	0	78.88	95.4	26.7	79	69.3
	Mar 2024	590	9.6	446.70	555	4	77.65	120.0	40.5	100	68.7
	Apr 2024	697	11.7	448.70	593	38	77.90	120.0	48.5	100	69.6
	May 2024	709	11.5	448.70	593	0	78.98	120.0	49.9	100	70.4
	Jun 2024	705	11.8	448.70	593	0	78.85	120.0	49.5	100	70.3
	Jul 2024	669	10.9	448.00	580	-13	78.88	120.0	46.8	100	69.9
	Aug 2024	618	10.1	447.50	571	-10	78.61	120.0	42.9	100	69.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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
* Sep 2021	238	36	24	33	19	2
Summer 2021	1614	182	140	190	114	17
H Oct 2021	183	29	14	22	7	2
I Nov 2021	189	19	3	6	2	3
S Dec 2021	226	19	2	5	2	4
T Jan 2022	252	19	3	5	1	4
O Feb 2022	201	17	3	4	1	3
R 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
C May 2022	214	52	20	31	18	3
A Jun 2022	222	41	18	25	16	6
L Jul 2022	251	29	23	29	17	7
* Aug 2022	265	39	23	31	18	6
Sep 2022	195	36	10	27	14	4
Summer 2022	1326	217	104	159	92	27
Oct 2022	170	33	0	28	14	4
Nov 2022	177	31	0	5	3	4
Dec 2022	210	29	4	6	3	4
Jan 2023	228	30	4	6	3	3
Feb 2023	198	27	4	6	3	3
Mar 2023	206	30	5	7	4	3
Winter 2023	1190	180	17	59	31	20
Apr 2023	180	29	14	21	12	1
May 2023	180	45	14	25	15	2
Jun 2023	192	16	13	21	14	2
Jul 2023	218	17	20	28	14	4
Aug 2023	230	20	21	29	14	4
Sep 2023	171	19	20	27	13	4
Summer 2023	1172	146	101	151	81	17
Oct 2023	154	17	18	27	13	4
Nov 2023	161	16	4	6	3	3
Dec 2023	161	17	3	6	3	3
Jan 2024	0	17	3	6	3	3
Feb 2024	0	16	3	6	3	3
Mar 2024	0	17	5	7	4	3
Winter 2024	477	67	29	44	23	13
Apr 2024	0	16	8	14	9	2
May 2024	0	42	14	24	15	4
Jun 2024	186	19	18	26	15	5
Jul 2024	212	17	25	32	16	5
Aug 2024	213	17	22	28	14	5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

September 2022 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	Total	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Sep 2022	969	483	746	17376	19574	20345	39919	969	483	746	2198	17376	20345	39919	2270	553	0	19.5	
Oct 2022	1,053	528	785	17521	19887	20356	40243	1053	528	785	2366	17521	20356	40243	3040	545	0	19.2	
Nov 2022	1,114	574	804	17540	20032	20423	40455	1114	574	804	2492	17540	20423	40455	3810	606	0	19.0	
Dec 2022	1,169	562	817	17627	20175	20513	40687	1169	562	817	2548	17627	20513	40687	4580	543	0	18.7	
Jan 2023	1,243	564	812	17986	20605	20434	41038	1243	564	812	2619	17986	20434	41038	5350	607	0	18.4	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2023	1,243	564	812	17986	20605	20434	41038	-65	117	135	187	17986	20434	38607	5350	607	0	18.4	
Feb 2023	1,319	566	808	18405	21098	20323	41420	10	122	130	262	18405	20323	38990	1500	552	0	18.1	
Mar 2023	1,384	569	800	18765	21518	20247	41766	74	127	121	322	18765	20247	39335	1500	886	0	17.5	
Apr 2023	1,432	570	778	19102	21883	20476	42359	120	129	94	343	19102	20476	39922	1500	997	0	16.9	
May 2023	1,467	591	759	19251	22068	20891	42960	153	149	52	353	19251	20891	40496	1500	979	0	16.8	
Jun 2023	1,514	534	704	18988	21740	21328	43068	195	82	-41	236	18988	21328	40553	1500	918	0	17.0	
Jul 2023	1,384	448	760	18584	21176	21729	42905	55	-20	-40	-5	18584	21729	40308	1500	831	0	16.5	
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2023	1,343	462	858	18741	21404	21950	43355	1343	462	858	2663	18741	21950	43355	1500	801	0	15.9	
Sep 2023	1,379	501	943	19083	21906	22055	43961	1379	501	943	2823	19083	22055	43961	2270	695	0	15.3	
Oct 2023	1,422	548	974	19307	22250	22221	44471	1422	548	974	2944	19307	22221	44471	3040	530	0	14.9	
Nov 2023	1,444	595	987	19430	22455	22272	44728	1444	595	987	3026	19430	22272	44728	3810	653	0	14.7	
Dec 2023	1,456	584	988	19569	22597	22404	45001	1456	584	988	3027	19569	22404	45001	4580	546	0	14.6	
Jan 2024	1,477	572	986	19811	22845	22323	45169	1477	572	986	3035	19811	22323	45169	5350	549	0	14.5	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2024	1,477	572	986	19811	22845	22323	45169	300	244	289	832	19811	22323	42966	5350	549	0	14.5	
Feb 2024	1,492	561	986	20122	23160	22157	45317	312	233	289	834	20122	22157	43113	1500	497	0	14.4	
Mar 2024	1,501	551	978	20330	23361	22027	45388	319	224	281	823	20330	22027	43180	1500	830	0	14.3	
Apr 2024	1,489	534	940	20457	23420	22177	45597	303	206	236	745	20457	22177	43379	1500	941	0	14.1	
May 2024	1,455	506	898	20434	23293	22533	45826	263	174	171	607	20434	22533	43575	1500	927	0	14.6	
Jun 2024	1,427	412	818	19748	22405	22910	45315	229	65	53	347	19748	22910	43005	1500	879	0	15.2	
Jul 2024	1,251	325	804	19128	21509	23234	44742	40	-35	-15	-11	19128	23234	42351	1500	792	0	14.6	
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2024	1,225	353	878	19390	21846	23404	45250	1225	353	878	2456	19390	23404	45250	1500	771	0	14.1	

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