— BUREAU OF —
RECLAMATION

To: All Annual Operating Plan Recipients

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In addition to the October 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 additional model runs in October 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/2022/October-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] 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 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 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 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 Maximum inflow scenario is 15.50 maf, or 161% of average. The October Probable Maximum 24-Month Study includes a release volume from Glen Canyon Dam of 9.50 maf in WY 2023 and 9.00 maf in WY 2024. Under the Probable Maximum scenario, Lake Powell's physical elevation is projected to be 3,581.67 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 0.970 maf in calendar year 2023, Lake Mead's physical elevation is projected to be 1,062.28 feet on December 31, 2023.

[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.

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_10_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Fontenelle Reservoir

	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)
*	Oct 2021	37	1	33	4	37	6491.62	229
H	Nov 2021	39	1	43	0	43	6491.01	225
I	Dec 2021	29	1	50	0	50	6487.63	203
S	Jan 2022	29	1	51	0	51	6483.90	180
T	Feb 2022	23	1	46	0	46	6479.63	157
O	Mar 2022	46	1	50	0	50	6478.63	151
R	Apr 2022	50	1	5	44	49	6478.74	152
I	May 2022	63	1	47	8	55	6479.96	158
C	Jun 2022	241	2	82	0	82	6503.59	315
A	Jul 2022	102	3	83	11	93	6504.34	321
L	Aug 2022	56	2	67	1	68	6502.43	306
*	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
	Oct 2022	40	1	69	0	69	6493.82	244
	Nov 2022	35	1	73	0	73	6488.02	205
	Dec 2022	28	1	75	0	75	6479.82	158
	Jan 2023	47	0	75	0	75	6473.84	129
	Feb 2023	43	0	68	0	68	6467.65	103
	Mar 2023	76	0	79	0	79	6466.86	100
	Apr 2023	118	1	34	55	89	6473.79	129
	May 2023	235	1	96	163	259	6467.66	103
	Jun 2023	498	2	99	213	312	6499.84	287
	Jul 2023	299	3	102	165	267	6503.80	317
	Aug 2023	109	2	94	0	94	6505.46	330
	Sep 2023	72	2	89	0	89	6503.02	311
	WY 2023	**1600**	**14**	**953**	**596**	**1549**		
	Oct 2023	72	1	83	0	83	6501.40	299
	Nov 2023	56	1	80	0	80	6498.00	274
	Dec 2023	34	1	83	0	83	6490.85	224
	Jan 2024	33	1	83	0	83	6482.69	173
	Feb 2024	31	0	78	0	78	6473.24	126
	Mar 2024	64	0	83	0	83	6468.54	107
	Apr 2024	97	1	34	47	81	6472.27	122
	May 2024	224	1	100	62	162	6484.34	183
	Jun 2024	404	2	104	182	286	6501.43	299
	Jul 2024	223	3	100	95	195	6504.73	324
	Aug 2024	80	2	91	0	91	6502.96	310
	Sep 2024	46	2	71	0	71	6499.31	283
	WY 2024	**1364**	**15**	**991**	**386**	**1377**		

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Flaming Gorge Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
H	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
I	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
S	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
T	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
O	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
R	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
I	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
C	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
A	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
L	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
*	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
	Oct 2022	47	76	6	128	0	128	100	6011.25	2624	153
	Nov 2022	43	81	3	151	0	151	97	6009.01	2553	177
	Dec 2022	29	76	1	156	0	156	94	6006.48	2475	178
	Jan 2023	64	92	1	153	0	153	91	6004.50	2415	189
	Feb 2023	70	95	2	138	0	138	90	6003.07	2372	174
	Mar 2023	169	172	2	141	0	141	91	6003.99	2400	235
	Apr 2023	209	180	4	136	0	136	92	6005.28	2439	453
	May 2023	358	382	6	282	6	288	96	6008.04	2523	1142
	Jun 2023	696	510	9	125	0	125	110	6019.25	2885	760
	Jul 2023	388	356	12	100	0	100	119	6026.02	3119	206
	Aug 2023	135	120	12	123	0	123	119	6025.62	3105	147
	Sep 2023	92	109	10	124	0	124	118	6024.93	3080	148
	WY 2023	**2300**	**2249**	**69**	**1757**	**6**	**1764**				**3963**
	Oct 2023	93	104	7	110	0	110	117	6024.57	3068	151
	Nov 2023	72	96	3	105	0	105	117	6024.25	3057	143
	Dec 2023	37	86	2	123	0	123	115	6023.18	3019	147
	Jan 2024	45	95	2	117	0	117	115	6022.53	2997	142
	Feb 2024	50	97	2	109	0	109	114	6022.12	2983	135
	Mar 2024	120	139	3	81	0	81	116	6023.66	3036	164
	Apr 2024	146	130	5	78	0	78	118	6024.96	3082	324
	May 2024	318	256	7	232	0	232	119	6025.42	3098	851
	Jun 2024	525	407	10	189	0	189	127	6030.84	3298	735
	Jul 2024	270	242	14	74	0	74	133	6034.58	3446	209
	Aug 2024	92	103	13	74	0	74	133	6034.97	3462	101
	Sep 2024	56	81	12	77	0	77	133	6034.78	3454	99
	WY 2024	**1824**	**1837**	**79**	**1369**	**0**	**1369**				**3201**

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Taylor Park Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2021	5	5	9302.69	59
H	Nov 2021	4	4	9302.58	59
I	Dec 2021	5	5	9302.55	59
S	Jan 2022	4	4	9302.29	58
T	Feb 2022	3	4	9301.88	58
O	Mar 2022	4	4	9301.56	57
R	Apr 2022	8	6	9302.92	59
I	May 2022	27	12	9312.55	74
C	Jun 2022	26	19	9316.61	81
A	Jul 2022	11	15	9314.18	77
L	Aug 2022	8	14	9310.35	70
*	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
	Oct 2022	6	6	9309.07	68
	Nov 2022	5	5	9309.04	68
	Dec 2022	4	5	9308.24	67
	Jan 2023	6	5	9308.75	68
	Feb 2023	5	5	9308.88	68
	Mar 2023	6	5	9309.39	69
	Apr 2023	12	17	9306.14	64
	May 2023	41	26	9315.47	79
	Jun 2023	61	35	9329.37	105
	Jul 2023	23	33	9324.28	95
	Aug 2023	13	24	9318.33	84
	Sep 2023	9	18	9313.10	75
	WY 2023	**191**	**184**		
	Oct 2023	9	9	9313.10	75
	Nov 2023	6	6	9313.13	75
	Dec 2023	5	6	9312.43	74
	Jan 2024	5	6	9311.73	73
	Feb 2024	4	6	9310.77	71
	Mar 2024	5	6	9310.06	70
	Apr 2024	10	12	9308.79	68
	May 2024	30	18	9316.08	80
	Jun 2024	51	24	9330.38	107
	Jul 2024	24	27	9328.90	104
	Aug 2024	11	24	9322.19	91
	Sep 2024	8	18	9316.66	81
	WY 2024	**168**	**162**		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Blue Mesa Reservoir

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2021	27	26	0	58	0	58	7429.52	209
H	Nov 2021	27	27	0	16	0	16	7431.94	220
I	Dec 2021	22	22	0	11	0	11	7434.40	231
S	Jan 2022	20	20	0	14	0	14	7435.60	236
T	Feb 2022	18	19	0	14	0	14	7436.57	241
O	Mar 2022	30	30	0	32	0	32	7436.17	239
R	Apr 2022	62	60	0	44	0	46	7438.94	252
I	May 2022	177	162	1	79	0	79	7454.56	335
C	Jun 2022	133	126	1	69	0	69	7463.76	391
A	Jul 2022	59	63	1	84	0	84	7460.15	368
L	Aug 2022	57	64	1	89	0	89	7455.69	341
*	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
	Oct 2022	30	30	0	0	70	70	7438.72	251
	Nov 2022	26	26	0	0	14	14	7441.14	263
	Dec 2022	21	22	0	14	0	14	7442.82	272
	Jan 2023	32	31	0	12	0	12	7446.57	291
	Feb 2023	29	29	0	10	0	10	7450.08	310
	Mar 2023	45	44	0	11	0	11	7455.97	343
	Apr 2023	90	95	1	54	0	54	7462.68	384
	May 2023	313	298	1	136	22	157	7482.89	523
	Jun 2023	401	375	1	96	0	96	7516.49	801
	Jul 2023	148	158	2	148	0	148	7517.41	810
	Aug 2023	82	93	1	110	0	110	7515.40	791
	Sep 2023	53	62	1	110	0	110	7509.87	742
	WY 2023	**1270**	**1263**	**8**	**699**	**105**	**805**		
	Oct 2023	48	48	1	101	0	101	7503.58	688
	Nov 2023	36	36	0	62	0	62	7500.39	661
	Dec 2023	26	27	0	114	0	114	7489.59	574
	Jan 2024	25	26	0	79	0	79	7482.60	521
	Feb 2024	23	25	0	73	0	73	7475.96	473
	Mar 2024	41	42	0	67	0	67	7472.43	448
	Apr 2024	93	95	1	65	0	65	7476.55	477
	May 2024	247	235	1	93	0	93	7495.07	618
	Jun 2024	335	308	1	156	0	156	7512.79	768
	Jul 2024	140	143	2	97	0	97	7517.71	812
	Aug 2024	69	82	1	85	0	85	7517.19	808
	Sep 2024	41	51	1	81	0	81	7513.71	776
	WY 2024	**1124**	**1118**	**9**	**1075**	**0**	**1075**		

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Morrow Point Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2021	27	58	1	59	61	0	61	7149.67	109
H	Nov 2021	30	16	3	19	17	0	17	7151.77	110
I	Dec 2021	23	11	1	12	16	0	16	7145.62	106
S	Jan 2022	21	14	1	15	16	0	16	7144.25	105
T	Feb 2022	19	14	1	15	14	0	14	7145.30	105
O	Mar 2022	31	32	2	33	30	0	30	7149.87	109
R	Apr 2022	65	46	3	50	47	0	47	7153.31	112
I	May 2022	186	79	9	88	89	0	89	7152.08	111
C	Jun 2022	134	69	1	70	71	0	71	7150.86	110
A	Jul 2022	60	84	1	85	84	0	84	7152.31	111
L	Aug 2022	58	89	1	90	90	0	90	7152.25	111
*	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
	Oct 2022	32	70	2	72	75	0	75	7153.73	112
	Nov 2022	27	14	1	15	15	0	15	7153.73	112
	Dec 2022	23	14	2	16	16	0	16	7153.73	112
	Jan 2023	35	12	3	15	15	0	15	7153.73	112
	Feb 2023	32	10	3	13	13	0	13	7153.73	112
	Mar 2023	49	11	4	15	14	0	14	7153.73	112
	Apr 2023	97	54	7	61	61	0	61	7153.73	112
	May 2023	351	157	38	195	195	0	195	7153.73	112
	Jun 2023	430	96	29	125	125	0	125	7153.72	112
	Jul 2023	153	148	5	153	153	0	153	7153.73	112
	Aug 2023	86	110	4	114	114	0	114	7153.73	112
	Sep 2023	54	110	1	111	111	0	111	7153.73	112
	WY 2023	**1369**	**805**	**99**	**904**	**906**	**0**	**906**		
	Oct 2023	50	101	2	103	103	0	103	7153.73	112
	Nov 2023	38	62	2	64	64	0	64	7153.73	112
	Dec 2023	28	114	2	116	116	0	116	7153.73	112
	Jan 2024	26	79	1	80	80	0	80	7153.73	112
	Feb 2024	25	73	2	75	75	0	75	7153.73	112
	Mar 2024	43	67	2	69	68	0	68	7153.73	112
	Apr 2024	105	65	12	77	77	0	77	7153.73	112
	May 2024	274	93	27	120	120	0	120	7153.73	112
	Jun 2024	358	156	23	179	179	0	179	7153.72	112
	Jul 2024	147	97	7	104	104	0	104	7153.73	112
	Aug 2024	71	85	2	87	87	0	87	7153.73	112
	Sep 2024	43	81	2	83	83	0	83	7153.73	112
	WY 2024	**1208**	**1075**	**84**	**1159**	**1158**	**0**	**1158**		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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)
*	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
H	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
I	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
S	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
T	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
O	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
R	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
I	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
C	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
A	Jul 2022	64	84	4	88	89	0	90	6747.68	15	65	28
L	Aug 2022	62	90	3	94	92	0	92	6751.52	17	66	31
*	Sep 2022	33	78	2	80	69	12	80	6750.17	16	62	22
	WY 2022	**754**	**614**	**69**	**683**	**622**	**62**	**684**			**393**	**295**
	Oct 2022	35	75	3	78	77	0	77	6753.04	17	55	22
	Nov 2022	31	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2022	27	16	4	20	20	0	20	6753.04	17	0	20
	Jan 2023	40	15	5	20	20	0	20	6753.04	17	0	20
	Feb 2023	37	13	5	18	18	0	18	6753.04	17	0	18
	Mar 2023	59	14	10	24	24	0	24	6753.04	17	5	19
	Apr 2023	122	61	25	86	86	0	86	6753.04	17	42	44
	May 2023	397	195	46	241	134	107	241	6753.04	17	62	179
	Jun 2023	485	125	55	180	130	50	180	6753.03	17	61	119
	Jul 2023	167	153	14	167	134	33	167	6753.04	17	65	102
	Aug 2023	92	114	6	120	120	0	120	6753.04	17	65	55
	Sep 2023	59	111	5	116	116	0	116	6753.04	17	55	61
	WY 2023	**1551**	**906**	**182**	**1088**	**898**	**189**	**1087**			**410**	**677**
	Oct 2023	54	103	4	107	52	55	107	6753.04	17	55	52
	Nov 2023	42	64	4	68	68	0	68	6753.04	17	0	68
	Dec 2023	32	116	4	120	120	0	120	6753.04	17	0	120
	Jan 2024	30	80	4	84	84	0	84	6753.04	17	0	84
	Feb 2024	28	75	3	78	78	0	78	6753.04	17	0	78
	Mar 2024	50	68	7	75	75	0	75	6753.04	17	5	70
	Apr 2024	117	77	12	89	89	0	89	6753.04	17	42	47
	May 2024	308	120	34	154	134	20	154	6753.04	17	62	92
	Jun 2024	398	179	40	219	130	89	219	6753.03	17	61	158
	Jul 2024	163	104	16	120	120	0	120	6753.04	17	65	55
	Aug 2024	79	87	8	95	95	0	95	6753.04	17	65	30
	Sep 2024	49	83	6	89	89	0	89	6753.04	17	55	34
	WY 2024	**1350**	**1158**	**142**	**1300**	**1136**	**164**	**1300**			**410**	**890**

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

Model Run ID: 3206

Processed On: 10/11/2022 1:47:50PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Vallecito Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2021	8	3	7619.62	29
H	Nov 2021	5	2	7621.90	32
I	Dec 2021	4	0	7624.23	35
S	Jan 2022	4	0	7626.39	39
T	Feb 2022	3	0	7628.13	42
O	Mar 2022	7	0	7631.90	48
R	Apr 2022	27	2	7644.01	73
I	May 2022	53	33	7652.10	92
C	Jun 2022	26	34	7648.50	83
A	Jul 2022	19	32	7642.57	70
L	Aug 2022	18	28	7637.64	59
*	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
	Oct 2022	11	3	7634.54	53
	Nov 2022	7	2	7637.21	59
	Dec 2022	5	0	7639.42	63
	Jan 2023	5	0	7641.60	68
	Feb 2023	5	0	7643.73	73
	Mar 2023	11	0	7648.32	83
	Apr 2023	30	2	7659.54	111
	May 2023	82	33	7676.48	159
	Jun 2023	99	94	7677.76	163
	Jul 2023	43	72	7667.91	134
	Aug 2023	23	28	7665.91	128
	Sep 2023	18	26	7662.92	120
	WY 2023	**339**	**260**		
	Oct 2023	14	17	7661.85	117
	Nov 2023	9	2	7664.49	124
	Dec 2023	6	2	7666.04	128
	Jan 2024	6	2	7667.49	132
	Feb 2024	5	2	7668.62	136
	Mar 2024	11	2	7671.69	145
	Apr 2024	28	26	7672.30	146
	May 2024	78	68	7675.32	155
	Jun 2024	84	76	7677.57	162
	Jul 2024	33	47	7672.82	148
	Aug 2024	20	38	7666.48	130
	Sep 2024	19	30	7662.36	119
	WY 2024	**313**	**310**		

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum Probable Inflow*

Navajo Reservoir

	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)
*	Oct 2021	20	0	16	1	2	28	6022.31	887	45
H	Nov 2021	14	0	10	1	0	18	6021.39	879	36
I	Dec 2021	15	0	11	0	0	18	6020.63	872	35
S	Jan 2022	14	0	10	0	0	22	6019.21	859	38
T	Feb 2022	14	0	11	1	1	20	6018.00	848	33
O	Mar 2022	41	2	32	1	4	22	6018.57	853	38
R	Apr 2022	123	17	84	2	17	20	6023.53	898	44
I	May 2022	167	30	114	3	38	18	6029.39	954	104
C	Jun 2022	47	7	50	3	37	24	6027.89	939	61
A	Jul 2022	44	5	54	3	39	35	6025.41	916	55
L	Aug 2022	53	5	56	3	38	30	6023.95	902	49
*	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**594**
	Oct 2022	55	4	42	1	2	29	6021.77	882	56
	Nov 2022	38	2	31	1	0	18	6023.07	894	37
	Dec 2022	29	1	24	0	0	18	6023.65	899	32
	Jan 2023	21	0	16	0	0	22	6022.95	893	34
	Feb 2023	32	1	26	1	1	20	6023.40	897	31
	Mar 2023	102	12	80	1	4	22	6028.93	949	47
	Apr 2023	209	28	153	2	17	20	6040.24	1063	83
	May 2023	335	46	241	3	38	18	6056.14	1244	181
	Jun 2023	329	46	278	4	37	24	6072.30	1458	226
	Jul 2023	108	12	124	5	39	35	6075.47	1503	134
	Aug 2023	64	6	63	4	38	30	6074.91	1495	75
	Sep 2023	45	3	49	3	23	40	6073.72	1478	70
	WY 2023	**1367**	**161**	**1128**	**26**	**200**	**296**			**1006**
	Oct 2023	45	3	44	2	9	17	6074.86	1494	43
	Nov 2023	34	1	26	1	0	15	6075.54	1504	34
	Dec 2023	23	0	19	1	0	15	6075.71	1507	30
	Jan 2024	21	0	17	1	0	15	6075.75	1507	28
	Feb 2024	31	1	26	1	0	14	6076.54	1519	26
	Mar 2024	102	12	81	2	5	15	6080.45	1577	41
	Apr 2024	185	24	158	3	21	15	6088.08	1697	76
	May 2024	307	42	255	5	35	181	6090.16	1731	339
	Jun 2024	272	37	227	5	51	272	6083.85	1630	458
	Jul 2024	71	7	78	5	56	30	6083.00	1617	109
	Aug 2024	48	3	63	4	39	16	6083.20	1620	55
	Sep 2024	48	3	55	3	18	15	6084.38	1638	48
	WY 2024	**1187**	**135**	**1049**	**33**	**235**	**621**			**1288**

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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)
*	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
H	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
I	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
S	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
T	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
O	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
R	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	510
I	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
C	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
A	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
L	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	719
*	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	556
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7057**
	Oct 2022	325	429	16	643	0	643	3525.67	4500	5584	659
	Nov 2022	365	443	16	642	0	642	3522.20	4485	5385	658
	Dec 2022	300	409	12	715	0	715	3516.91	4461	5091	731
	Jan 2023	531	601	3	919	0	919	3511.38	4437	4794	937
	Feb 2023	582	621	3	813	0	813	3507.92	4423	4613	835
	Mar 2023	908	781	5	708	150	858	3506.43	4417	4537	886
	Apr 2023	1367	1114	9	764	0	764	3512.48	4442	4852	781
	May 2023	3571	3113	13	761	0	761	3548.78	4615	7017	774
	Jun 2023	4694	3595	29	798	0	798	3583.54	4820	9580	807
	Jul 2023	1561	1251	41	902	0	902	3587.01	4843	9865	916
	Aug 2023	643	668	41	963	0	963	3583.23	4818	9554	976
	Sep 2023	653	764	38	722	0	722	3583.27	4818	9558	734
	WY 2023	**15500**	**13789**	**227**	**9350**	**150**	**9500**				**9694**
	Oct 2023	711	766	26	643	0	643	3584.37	4826	9648	658
	Nov 2023	604	645	26	642	0	642	3584.12	4824	9627	654
	Dec 2023	354	520	20	715	0	715	3581.67	4808	9428	726
	Jan 2024	364	485	6	857	0	857	3577.27	4780	9078	874
	Feb 2024	398	491	6	758	0	758	3574.02	4760	8825	779
	Mar 2024	660	577	10	801	0	801	3571.18	4742	8608	827
	Apr 2024	1106	885	17	713	0	713	3573.08	4754	8752	728
	May 2024	2555	2267	21	710	0	710	3590.68	4868	10174	717
	Jun 2024	3265	2838	39	745	0	745	3611.63	5020	12076	750
	Jul 2024	1366	1148	51	842	0	842	3614.06	5039	12312	856
	Aug 2024	520	528	51	900	0	900	3610.02	5007	11921	913
	Sep 2024	427	477	46	674	0	674	3607.65	4989	11696	686
	WY 2024	**12330**	**11628**	**320**	**9000**	**0**	**9000**				**9167**

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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)
*	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
H	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
I	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
S	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
T	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
O	Mar 2022	574	41	25	1010	16.4	17	1009	555	1061.49	8536
R	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
I	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
C	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
A	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
L	Aug 2022	713	186	48	573	9.3	28	567	473	1044.28	7275
*	Sep 2022	547	120	48	539	9.1	24	545	476	1045.03	7328
	WY 2022	**6999**	**776**	**463**	**8899**		**228**	**8887**			
	Oct 2022	643	86	46	488	7.9	26	488	487	1047.27	7487
	Nov 2022	642	84	40	676	11.4	15	676	486	1047.19	7482
	Dec 2022	715	82	33	427	6.9	11	427	506	1051.46	7788
	Jan 2023	919	96	23	599	9.7	10	599	530	1056.34	8148
	Feb 2023	813	115	22	544	9.8	8	544	551	1060.76	8481
	Mar 2023	858	149	24	878	14.3	14	878	557	1061.87	8566
	Apr 2023	764	88	33	989	16.6	16	989	545	1059.57	8390
	May 2023	761	68	41	971	15.8	20	971	533	1057.04	8200
	Jun 2023	798	45	50	910	15.3	28	910	524	1055.21	8064
	Jul 2023	902	74	48	823	13.4	32	823	529	1056.15	8134
	Aug 2023	963	67	52	793	12.9	34	793	538	1058.04	8275
	Sep 2023	722	65	51	687	11.6	30	687	539	1058.27	8292
	WY 2023	**9500**	**1020**	**463**	**8785**		**245**	**8785**			
	Oct 2023	643	80	49	522	8.5	24	522	547	1059.87	8413
	Nov 2023	642	64	43	645	10.8	14	645	547	1059.92	8417
	Dec 2023	715	59	35	538	8.8	9	538	559	1062.28	8597
	Jan 2024	857	91	24	570	9.3	12	570	580	1066.42	8917
	Feb 2024	758	109	23	540	9.4	9	540	598	1069.94	9194
	Mar 2024	801	135	25	850	13.8	16	850	600	1070.46	9236
	Apr 2024	713	79	34	961	16.2	18	961	587	1067.83	9028
	May 2024	710	36	43	942	15.3	23	942	571	1064.68	8782
	Jun 2024	745	26	52	879	14.8	32	879	559	1062.35	8602
	Jul 2024	842	73	49	791	12.9	36	791	561	1062.82	8638
	Aug 2024	900	69	54	767	12.5	38	767	568	1064.15	8741
	Sep 2024	674	61	52	661	11.1	34	661	567	1064.00	8729
	WY 2024	**9000**	**881**	**483**	**8667**		**266**	**8667**			

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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)
*	Oct 2021	581	-3	14	658	0	658	10.7	634.42	1471
H	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
I	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
S	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
T	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
O	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
R	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
I	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
C	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
A	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
L	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
*	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-228**	**151**	**8495**	**0**	**8495**			
	Oct 2022	488	-11	14	598	0	598	9.7	634.00	1460
	Nov 2022	676	-16	13	516	0	516	8.7	639.01	1591
	Dec 2022	427	-5	13	396	0	396	6.4	639.51	1604
	Jan 2023	599	-12	9	517	0	517	8.4	641.80	1666
	Feb 2023	544	-11	8	525	0	525	9.5	641.80	1666
	Mar 2023	878	-9	10	825	0	825	13.4	643.05	1700
	Apr 2023	989	-13	13	965	0	965	16.2	643.00	1699
	May 2023	971	-13	14	943	0	943	15.3	643.00	1699
	Jun 2023	910	-18	14	878	0	878	14.7	643.00	1699
	Jul 2023	823	-19	12	818	0	818	13.3	642.00	1671
	Aug 2023	793	-17	15	761	0	761	12.4	642.00	1671
	Sep 2023	687	-8	16	717	0	717	12.1	640.01	1617
	WY 2023	**8785**	**-151**	**151**	**8459**	**0**	**8459**			
	Oct 2023	522	-11	14	680	0	680	11.1	633.00	1434
	Nov 2023	645	-16	13	565	0	565	9.5	635.00	1486
	Dec 2023	538	-5	13	402	0	402	6.5	639.51	1604
	Jan 2024	570	-12	9	488	0	488	7.9	641.80	1666
	Feb 2024	540	-11	8	522	0	522	9.1	641.80	1666
	Mar 2024	850	-9	10	797	0	797	13.0	643.05	1700
	Apr 2024	961	-13	13	937	0	937	15.8	643.00	1699
	May 2024	942	-13	14	915	0	915	14.9	643.00	1699
	Jun 2024	879	-18	14	846	0	846	14.2	643.00	1699
	Jul 2024	791	-19	12	786	0	786	12.8	642.00	1671
	Aug 2024	767	-17	15	734	0	734	11.9	642.00	1671
	Sep 2024	661	-8	16	691	0	691	11.6	640.01	1617
	WY 2024	**8667**	**-151**	**151**	**8364**	**0**	**8364**			

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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)
*	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
H	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
I	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
S	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
T	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
O	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
R	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
I	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
C	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
A	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
L	Aug 2022	575	42	17	482	7.8	106	16	448.16	583	120	2.0
*	Sep 2022	617	16	15	458	7.7	103	52	447.96	579	105	1.8
	WY 2022	**8495**	**180**	**140**	**6231**		**1117**	**1112**			**1497**	
	Oct 2022	598	18	12	439	7.1	106	61	447.50	570	63	1.0
	Nov 2022	516	17	9	352	5.9	103	64	447.50	570	90	1.5
	Dec 2022	396	18	7	238	3.9	106	77	446.50	552	88	1.4
	Jan 2023	517	14	6	310	5.0	94	115	446.50	552	136	2.2
	Feb 2023	525	5	8	401	7.2	13	102	446.50	552	122	2.2
	Mar 2023	825	4	9	609	9.9	94	105	446.70	555	145	2.4
	Apr 2023	965	8	11	715	12.0	91	108	448.70	593	144	2.4
	May 2023	943	6	13	722	11.7	94	108	448.70	593	108	1.8
	Jun 2023	878	7	16	719	12.1	91	45	448.70	593	114	1.9
	Jul 2023	818	14	17	684	11.1	94	38	448.00	580	120	2.0
	Aug 2023	761	13	17	624	10.2	94	36	447.50	571	100	1.6
	Sep 2023	717	12	15	524	8.8	91	88	447.50	570	97	1.6
	WY 2023	**8459**	**135**	**139**	**6337**		**1073**	**948**			**1328**	
	Oct 2023	680	18	12	482	7.8	94	103	447.50	571	87	1.4
	Nov 2023	565	17	9	372	6.2	91	104	447.50	571	113	1.9
	Dec 2023	402	18	7	260	4.2	94	74	446.50	552	108	1.8
	Jan 2024	488	14	6	313	5.1	56	122	446.50	552	138	2.2
	Feb 2024	522	5	8	404	7.0	0	108	446.50	552	124	2.2
	Mar 2024	797	4	9	612	10.0	56	111	446.70	555	147	2.4
	Apr 2024	937	8	11	719	12.1	53	114	448.70	593	147	2.5
	May 2024	915	6	13	726	11.8	56	114	448.70	593	110	1.8
	Jun 2024	846	7	16	723	12.1	53	48	448.70	593	116	2.0
	Jul 2024	786	14	17	688	11.2	56	41	448.00	580	123	2.0
	Aug 2024	734	13	17	634	10.3	56	39	447.50	571	101	1.6
	Sep 2024	691	12	15	532	8.9	53	93	447.50	570	99	1.7
	WY 2024	**8364**	**135**	**139**	**6464**		**716**	**1071**			**1414**	

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

Model Run ID: 3206

Processed On: 10/11/2022 1:47:50PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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
*	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
H	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
I	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
S	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
T	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
O	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
R	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
I	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
C	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
A	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
L	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
*	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
	Oct 2022	488	7.9	1047.27	7487	159	399.98	924.5	176.1	70	360.9
	Nov 2022	676	11.4	1047.19	7482	-5	401.24	948.8	243.6	72	360.2
	Dec 2022	427	6.9	1051.46	7788	307	401.46	957.8	152.4	72	357.2
	Jan 2023	599	9.7	1056.34	8148	359	405.07	969.0	217.3	73	362.6
	Feb 2023	544	9.8	1060.76	8481	333	409.58	887.1	200.1	66	368.0
	Mar 2023	878	14.3	1061.87	8566	85	411.26	961.1	332.6	73	378.9
	Apr 2023	989	16.6	1059.57	8390	-175	410.29	931.2	369.5	73	373.5
	May 2023	971	15.8	1057.04	8200	-190	408.56	826.8	365.4	66	376.4
	Jun 2023	910	15.3	1055.21	8064	-136	404.98	964.0	334.3	80	367.4
	Jul 2023	823	13.4	1056.15	8134	69	402.77	1194.6	299.5	100	364.0
	Aug 2023	793	12.9	1058.04	8275	142	404.49	1181.8	289.0	100	364.4
	Sep 2023	687	11.6	1058.27	8292	17	406.19	1169.0	248.5	100	361.6
	WY 2023	**8785**							**3228.3**		
	Oct 2023	522	8.5	1059.87	8413	121	412.52	826.9	195.3	70	374.3
	Nov 2023	645	10.8	1059.92	8417	4	415.65	824.2	239.7	70	371.9
	Dec 2023	538	8.8	1062.28	8597	180	414.73	833.4	197.3	70	366.6
	Jan 2024	570	9.3	1066.42	8917	320	415.04	931.3	210.3	76	368.6
	Feb 2024	540	9.4	1069.94	9194	277	418.09	951.0	200.8	76	371.8
	Mar 2024	850	13.8	1070.46	9236	42	419.83	1091.8	327.4	75	385.4
	Apr 2024	961	16.2	1067.83	9028	-208	417.77	1159.0	361.6	81	376.2
	May 2024	942	15.3	1064.68	8782	-246	415.63	1043.4	357.6	74	379.5
	Jun 2024	879	14.8	1062.35	8602	-180	412.18	1124.0	327.4	81	372.6
	Jul 2024	791	12.9	1062.82	8638	36	409.60	1389.9	292.0	100	369.2
	Aug 2024	767	12.5	1064.15	8741	103	410.82	1401.3	283.1	100	369.1
	Sep 2024	661	11.1	1064.00	8729	-12	412.05	1400.0	241.6	100	365.3
	WY 2024	**8667**							**3234.3**		

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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
*	Oct 2021	658	10.7	634.42	1471	-95	134.72	215.5	80.2	85	121.9
H	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
I	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
S	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
T	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
O	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
R	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
I	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
C	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
A	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
L	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
*	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
	Oct 2022	598	9.7	634.00	1460	-135	134.84	185.9	72.6	73	121.5
	Nov 2022	516	8.7	639.01	1591	131	135.21	153.0	62.9	60	121.8
	Dec 2022	396	6.4	639.51	1604	13	138.97	157.9	49.5	62	125.2
	Jan 2023	517	8.4	641.80	1666	62	139.48	157.9	64.9	62	125.7
	Feb 2023	525	9.5	641.80	1666	0	140.17	193.1	66.3	76	126.3
	Mar 2023	825	13.4	643.05	1700	34	139.24	255.0	103.5	100	125.4
	Apr 2023	965	16.2	643.00	1699	-2	138.86	255.0	120.8	100	125.1
	May 2023	943	15.3	643.00	1699	0	139.13	255.0	118.2	100	125.3
	Jun 2023	878	14.7	643.00	1699	0	139.34	255.0	110.2	100	125.5
	Jul 2023	818	13.3	642.00	1671	-27	139.36	255.0	102.7	100	125.5
	Aug 2023	761	12.4	642.00	1671	0	139.21	255.0	95.4	100	125.4
	Sep 2023	717	12.1	640.01	1617	-54	138.33	255.0	89.4	100	124.6
	WY 2023	**8459**							**1056.5**		
	Oct 2023	680	11.1	633.00	1434	-183	134.22	227.0	82.2	89	120.9
	Nov 2023	565	9.5	635.00	1486	51	132.36	159.8	67.3	63	119.2
	Dec 2023	402	6.5	639.51	1604	118	136.91	154.7	49.6	61	123.3
	Jan 2024	488	7.9	641.80	1666	62	139.68	156.3	61.4	61	125.8
	Feb 2024	522	9.1	641.80	1666	0	140.33	160.0	66.0	63	126.4
	Mar 2024	797	13.0	643.05	1700	34	139.41	194.1	100.1	76	125.6
	Apr 2024	937	15.8	643.00	1699	-2	139.02	249.9	117.4	98	125.2
	May 2024	915	14.9	643.00	1699	0	139.30	255.0	114.8	100	125.5
	Jun 2024	846	14.2	643.00	1699	0	139.52	255.0	106.4	100	125.7
	Jul 2024	786	12.8	642.00	1671	-27	139.55	255.0	98.9	100	125.7
	Aug 2024	734	11.9	642.00	1671	0	139.37	255.0	92.2	100	125.6
	Sep 2024	691	11.6	640.01	1617	-54	138.50	255.0	86.3	100	124.8
	WY 2024	**8364**							**1042.6**		

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

Model Run ID: 3206

Processed On: 10/11/2022 1:47:50PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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
*	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
H	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
I	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
S	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
T	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
O	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
R	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
I	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
C	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
A	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
L	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
*	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
	Oct 2022	439	7.1	447.50	570	-9	79.89	93.9	31.0	78	70.6
	Nov 2022	352	5.9	447.50	570	0	80.28	90.0	24.2	75	68.8
	Dec 2022	238	3.9	446.50	552	-19	80.87	111.3	15.2	93	63.8
	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	**6337**							**439.0**		
	Oct 2023	482	7.8	447.50	571	0	79.34	91.0	33.8	76	70.1
	Nov 2023	372	6.2	447.50	571	0	80.11	92.0	25.5	77	68.6
	Dec 2023	260	4.2	446.50	552	-19	80.67	112.3	16.6	94	63.7
	Jan 2024	313	5.1	446.50	552	0	79.70	92.9	20.9	77	66.8
	Feb 2024	404	7.0	446.50	552	0	78.72	95.4	28.0	79	69.2
	Mar 2024	612	10.0	446.70	555	4	77.50	120.0	42.0	100	68.6
	Apr 2024	719	12.1	448.70	593	38	77.76	120.0	50.0	100	69.5
	May 2024	726	11.8	448.70	593	0	78.87	120.0	51.0	100	70.3
	Jun 2024	723	12.1	448.70	593	0	78.74	120.0	50.7	100	70.2
	Jul 2024	688	11.2	448.00	580	-13	78.76	120.0	48.0	100	69.8
	Aug 2024	634	10.3	447.50	571	-10	78.51	120.0	44.0	100	69.4
	Sep 2024	532	8.9	447.50	570	0	78.84	120.0	36.9	100	69.3
	WY 2024	**6464**							**447.3**		

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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
*	Oct 2021	183	29	14	22	7	2
H	Nov 2021	189	19	3	6	2	3
I	Dec 2021	226	19	2	5	2	4
S	Jan 2022	252	19	3	5	1	4
T	Feb 2022	201	17	3	4	1	3
O	Mar 2022	208	19	8	9	4	3
	Winter 2022	**1259**	**123**	**34**	**50**	**17**	**19**
R	Apr 2022	179	19	11	15	10	0
I	May 2022	214	52	20	31	18	3
C	Jun 2022	222	41	18	25	16	6
A	Jul 2022	251	29	23	29	17	7
L	Aug 2022	265	39	23	31	18	6
*	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
	Oct 2022	227	42	0	27	13	5
	Nov 2022	224	49	0	5	3	5
	Dec 2022	247	51	4	6	3	5
	Jan 2023	314	50	3	5	3	4
	Feb 2023	274	45	3	5	3	4
	Mar 2023	238	45	3	5	4	4
	Winter 2023	**1525**	**282**	**12**	**53**	**31**	**27**
	Apr 2023	257	44	15	22	15	2
	May 2023	270	92	38	70	23	5
	Jun 2023	309	41	29	45	22	6
	Jul 2023	364	33	47	55	23	8
	Aug 2023	388	41	35	41	21	7
	Sep 2023	291	42	34	40	20	7
	Summer 2023	**1878**	**293**	**198**	**273**	**124**	**36**
	Oct 2023	259	37	31	37	9	6
	Nov 2023	259	35	19	23	12	6
	Dec 2023	288	41	34	42	21	6
	Jan 2024	342	39	23	29	15	5
	Feb 2024	300	37	21	27	13	5
	Mar 2024	315	27	19	25	13	5
	Winter 2024	**1763**	**216**	**147**	**183**	**83**	**33**
	Apr 2024	280	26	18	28	15	2
	May 2024	285	78	27	43	23	6
	Jun 2024	312	64	48	65	22	7
	Jul 2024	361	25	31	37	21	8
	Aug 2024	385	25	27	31	16	7
	Sep 2024	287	26	26	30	15	5
	Summer 2024	**1623**	**218**	**151**	**205**	**98**	**30**

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

Model Run ID: 3206

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2022 24-Month Study

Maximum 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****							****CREDITABLE SPACE****										
Oct 2022	1,057	533	776	17516	19882	20292	40174	1057	533	776	2366	17516	20292	40174	3040	488	0	19.3
Nov 2022	1,143	573	766	17730	20212	20133	40345	1143	573	766	2482	17730	20133	40345	3810	676	0	19.1
Dec 2022	1,252	562	754	17929	20496	20138	40635	1252	562	754	2568	17929	20138	40635	4580	427	0	19.0
Jan 2023	1,378	553	748	18223	20903	19832	40734	1378	553	748	2680	18223	19832	40734	5350	599	0	19.1
								****EFFECTIVE SPACE****										
Jan 2023	1,378	553	748	18223	20903	19832	40734	873	553	748	2175	18223	19832	40230	5350	599	0	19.1
Feb 2023	1,467	534	755	18520	21276	19472	40748	962	534	755	2251	18520	19472	40244	1500	544	0	19.2
Mar 2023	1,535	515	751	18701	21502	19139	40641	1030	515	751	2296	18701	19139	40136	1500	878	0	19.4
Apr 2023	1,510	482	699	18777	21468	19054	40522	1002	482	699	2182	18777	19054	40014	1500	989	0	19.7
May 2023	1,443	441	585	18462	20931	19230	40161	929	441	566	1936	18462	19230	39628	1500	971	0	22.1
Jun 2023	1,384	301	404	16297	18386	19420	37806	859	301	344	1504	16297	19420	37221	1500	910	0	25.6
Jul 2023	839	23	190	13734	14786	19556	34342	288	0	89	378	13734	19556	33667	1500	823	0	26.2
								****CREDITABLE SPACE****										
Aug 2023	575	15	145	13448	14183	19486	33669	575	15	145	734	13448	19486	33669	1500	793	0	26.0
Sep 2023	576	33	153	13759	14522	19345	33867	576	33	153	762	13759	19345	33867	2270	687	0	25.9
Oct 2023	619	82	170	13756	14628	19328	33955	619	82	170	872	13756	19328	33955	3040	522	0	25.8
Nov 2023	644	137	154	13666	14600	19207	33807	644	137	154	934	13666	19207	33807	3810	645	0	25.8
Dec 2023	681	163	144	13687	14674	19203	33877	681	163	144	988	13687	19203	33877	4580	538	0	25.7
Jan 2024	767	250	141	13886	15044	19023	34068	767	250	141	1159	13886	19023	34068	5350	570	0	25.6
								****EFFECTIVE SPACE****										
Jan 2024	767	250	141	13886	15044	19023	34068	594	250	141	986	13886	19023	33895	5350	570	0	25.6
Feb 2024	841	303	141	14236	15521	18703	34224	666	303	141	1110	14236	18703	34049	1500	540	0	25.5
Mar 2024	902	352	129	14489	15872	18426	34297	726	352	129	1206	14489	18426	34121	1500	850	0	25.5
Apr 2024	868	377	70	14706	16021	18384	34405	686	377	70	1133	14706	18384	34223	1500	961	0	25.7
May 2024	807	348	-49	14562	15667	18592	34259	619	348	-49	917	14562	18592	34071	1500	942	0	27.1
Jun 2024	730	207	-83	13140	13994	18838	32832	533	207	-83	656	13140	18838	32634	1500	879	0	29.2
Jul 2024	414	57	18	11238	11727	19018	30745	196	43	18	257	11238	19018	30513	1500	791	0	29.6
								****CREDITABLE SPACE****										
Aug 2024	241	12	31	11002	11286	18982	30268	241	12	31	284	11002	18982	30268	1500	767	0	29.3
Sep 2024	239	17	28	11393	11677	18879	30556	239	17	28	284	11393	18879	30556	2270	661	0	29.0

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

Model Run ID: 3206

Processed On: 10/11/2022 1:47:50PM