BUREAU OF RECLAMATION

To: All Annual Operating Plan Recipients

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In addition to the June 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 June to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. The probable minimum and probable maximum model runs are conducted simultaneously 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/June-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 maf in water year 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 water year 2022 will result in a reduced release volume of 0.48 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 water year 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 August 2022 24-Month Study will similarly model Lakes Powell and Mead as if the 0.48 maf had been delivered to Lake Mead for operating tier/condition purposes both for the U.S. Lower Basin and for Mexico.

The water year 2022 unregulated inflow into Lake Powell in the Probable Minimum inflow scenario is 5.04 maf, or 52% of average. The June Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.00 maf in water year 2022 and 7.00 maf in water year 2023. Under the probable minimum scenario, Lake Powell's physical elevation is projected to be 3,513.23 feet on December 31, 2022. With intervening flows between Lake Powell and Lake Mead of 0.536 maf in calendar year 2022, Lake Mead's physical elevation is projected to be 1,037.63 feet on December 31, 2022.

[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 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_06_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum 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)
*	Jun 2021	143	2	42	0	42	6494.76	251
H	Jul 2021	45	2	43	0	43	6494.70	250
I	Aug 2021	35	2	41	0	41	6493.52	242
S	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	**561**	**14**	**471**	**94**	**566**		
T	Oct 2021	37	1	33	4	37	6491.62	229
O	Nov 2021	39	1	43	0	43	6491.01	225
R	Dec 2021	29	1	50	0	50	6487.63	203
I	Jan 2022	29	1	51	0	51	6483.90	180
C	Feb 2022	23	1	46	0	46	6479.63	157
A	Mar 2022	46	1	50	0	50	6478.63	151
L	Apr 2022	50	1	5	44	49	6478.74	152
*	May 2022	63	1	47	8	55	6479.96	158
	Jun 2022	135	2	54	0	54	6492.49	244
	Jul 2022	65	2	45	0	45	6495.11	262
	Aug 2022	31	2	45	0	45	6492.89	247
	Sep 2022	23	2	43	0	43	6489.68	225
	WY 2022	**569**	**14**	**512**	**56**	**568**		
	Oct 2022	30	1	45	0	45	6487.36	210
	Nov 2022	29	1	43	0	43	6484.99	195
	Dec 2022	22	1	45	0	45	6480.99	172
	Jan 2023	21	1	45	0	45	6476.35	147
	Feb 2023	19	0	40	0	40	6471.70	126
	Mar 2023	35	0	45	0	45	6469.25	115
	Apr 2023	53	1	34	15	49	6470.04	119
	May 2023	115	1	61	0	61	6480.87	171
	Jun 2023	208	2	82	0	82	6499.58	295
	Jul 2023	101	3	74	0	74	6502.81	320
	Aug 2023	40	2	74	0	74	6498.09	284
	Sep 2023	26	2	71	0	71	6491.51	237
	WY 2023	**700**	**14**	**659**	**15**	**673**		
	Oct 2023	35	1	57	0	57	6487.94	213
	Nov 2023	37	1	54	0	54	6485.24	196
	Dec 2023	32	1	55	0	55	6481.09	172
	Jan 2024	30	1	55	0	55	6476.20	147
	Feb 2024	28	0	52	0	52	6470.87	122
	Mar 2024	50	0	57	0	57	6469.09	114
	Apr 2024	77	1	71	0	71	6470.27	119
	May 2024	167	1	90	0	90	6485.12	196

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

Model Run ID: 3193

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
H	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
I	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
S	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	**650**	**657**	**77**	**835**	**0**	**835**				**1430**
T	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
O	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
R	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
I	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
C	Feb 2022	30	53	2	47	0	47	117	6017.87	2905	70
A	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
L	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
*	May 2022	88	88	7	139	48	187	114	6015.77	2769	550
	Jun 2022	160	80	9	127	0	127	112	6014.12	2715	260
	Jul 2022	65	44	11	85	0	85	110	6012.59	2666	106
	Aug 2022	33	47	10	111	0	111	107	6010.33	2595	120
	Sep 2022	25	45	9	107	0	107	105	6008.15	2526	115
	WY 2022	**691**	**697**	**69**	**951**	**48**	**999**				**1867**
	Oct 2022	35	49	6	96	0	96	102	6006.50	2476	115
	Nov 2022	33	48	3	92	0	92	101	6005.00	2430	114
	Dec 2022	22	45	1	89	0	89	99	6003.54	2387	107
	Jan 2023	28	51	1	92	0	92	97	6002.17	2346	110
	Feb 2023	28	50	2	81	0	81	96	6001.10	2315	99
	Mar 2023	59	69	2	86	0	86	95	6000.47	2296	140
	Apr 2023	77	73	4	51	0	51	96	6001.08	2314	198
	May 2023	167	113	6	84	0	84	97	6001.85	2336	456
	Jun 2023	268	141	8	51	0	51	100	6004.52	2416	317
	Jul 2023	109	82	10	52	0	52	101	6005.13	2434	96
	Aug 2023	45	78	10	52	0	52	101	6005.64	2450	66
	Sep 2023	29	74	9	55	0	55	102	6005.97	2460	64
	WY 2023	**900**	**873**	**61**	**881**	**0**	**881**				**1881**
	Oct 2023	42	64	6	52	0	52	102	6006.17	2466	80
	Nov 2023	45	61	3	51	0	51	102	6006.42	2474	83
	Dec 2023	33	56	1	52	0	52	103	6006.51	2476	77
	Jan 2024	40	65	1	52	0	52	103	6006.88	2487	77
	Feb 2024	41	66	2	49	0	49	104	6007.35	2502	74
	Mar 2024	87	94	2	52	0	52	105	6008.56	2539	126
	Apr 2024	113	107	4	51	0	51	107	6010.19	2590	253
	May 2024	244	167	6	52	0	52	111	6013.45	2694	565

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir

BUREAU OF RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jun 2021	24	16	9314.87	78
H	Jul 2021	11	16	9311.57	72
I	Aug 2021	7	15	9306.36	64
S	Sep 2021	4	10	9302.48	59
	WY 2021	**92**	**102**		
T	Oct 2021	5	5	9302.69	59
O	Nov 2021	4	4	9302.58	59
R	Dec 2021	5	5	9302.55	59
I	Jan 2022	4	4	9302.29	58
C	Feb 2022	3	4	9301.88	58
A	Mar 2022	4	4	9301.56	57
L	Apr 2022	8	6	9302.92	59
*	May 2022	27	12	9312.55	74
	Jun 2022	28	15	9319.88	87
	Jul 2022	10	18	9315.52	79
	Aug 2022	6	15	9310.08	70
	Sep 2022	6	12	9306.20	64
	WY 2022	**109**	**104**		
	Oct 2022	6	6	9305.97	64
	Nov 2022	4	4	9305.75	63
	Dec 2022	4	5	9305.21	63
	Jan 2023	4	5	9304.79	62
	Feb 2023	3	4	9304.26	61
	Mar 2023	4	5	9303.81	60
	Apr 2023	8	4	9306.37	64
	May 2023	22	9	9314.70	78
	Jun 2023	34	15	9325.31	97
	Jul 2023	13	18	9322.54	92
	Aug 2023	7	15	9318.19	84
	Sep 2023	6	12	9314.70	78
	WY 2023	**115**	**101**		
	Oct 2023	6	6	9314.75	78
	Nov 2023	4	4	9314.77	78
	Dec 2023	4	5	9314.68	78
	Jan 2024	5	5	9314.71	78
	Feb 2024	4	4	9314.60	77
	Mar 2024	5	5	9314.60	77
	Apr 2024	9	6	9316.40	81
	May 2024	26	12	9324.13	95

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Blue Mesa Reservoir

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jun 2021	127	119	1	77	0	77	7463.84	391
H	Jul 2021	53	58	1	98	0	98	7457.21	350
I	Aug 2021	45	53	1	93	0	93	7450.20	310
S	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	**518**	**528**	**6**	**713**	**2**	**715**		
T	Oct 2021	27	26	0	58	0	58	7429.52	209
O	Nov 2021	27	27	0	16	0	16	7431.94	220
R	Dec 2021	22	22	0	11	0	11	7434.40	231
I	Jan 2022	20	20	0	14	0	14	7435.60	236
C	Feb 2022	18	19	0	14	0	14	7436.57	241
A	Mar 2022	30	30	0	32	0	32	7436.17	239
L	Apr 2022	62	60	0	44	0	46	7438.94	252
*	May 2022	177	162	1	79	0	79	7454.56	335
	Jun 2022	108	95	1	72	0	72	7458.41	358
	Jul 2022	37	45	1	82	0	82	7451.87	320
	Aug 2022	31	40	1	80	0	80	7444.26	279
	Sep 2022	24	30	1	76	0	76	7434.60	232
	WY 2022	**581**	**576**	**6**	**578**	**0**	**580**		
	Oct 2022	29	29	0	74	0	74	7424.25	186
	Nov 2022	25	25	0	14	0	14	7426.80	197
	Dec 2022	21	22	0	15	0	15	7428.44	204
	Jan 2023	20	21	0	15	0	15	7429.74	210
	Feb 2023	19	19	0	13	0	13	7431.12	216
	Mar 2023	30	31	0	17	0	17	7434.05	229
	Apr 2023	63	59	0	31	0	31	7439.88	257
	May 2023	162	149	1	62	0	62	7456.02	343
	Jun 2023	200	181	1	52	0	52	7475.75	471
	Jul 2023	69	74	1	80	0	80	7474.85	465
	Aug 2023	44	52	1	83	0	83	7470.28	433
	Sep 2023	28	34	1	77	0	77	7463.64	390
	WY 2023	**710**	**696**	**6**	**532**	**0**	**532**		
	Oct 2023	32	32	0	72	0	72	7456.94	349
	Nov 2023	30	30	0	14	0	14	7459.64	365
	Dec 2023	26	26	0	14	0	14	7461.67	377
	Jan 2024	25	25	0	14	0	14	7463.39	388
	Feb 2024	23	24	0	13	0	13	7465.01	399
	Mar 2024	38	38	0	16	0	16	7468.28	420
	Apr 2024	78	75	1	29	0	29	7475.00	466
	May 2024	203	189	1	68	0	68	7491.06	586

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Morrow Point Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jun 2021	132	77	4	81	85	0	85	7150.02	109
H	Jul 2021	54	98	1	99	97	0	97	7152.51	111
I	Aug 2021	46	93	1	93	94	0	94	7150.92	110
S	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	**539**	**715**	**21**	**736**	**734**	**0**	**734**		
T	Oct 2021	27	58	1	59	61	0	61	7149.67	109
O	Nov 2021	30	16	3	19	17	0	17	7151.77	110
R	Dec 2021	23	11	1	12	16	0	16	7145.62	106
I	Jan 2022	21	14	1	15	16	0	16	7144.25	105
C	Feb 2022	19	14	1	15	14	0	14	7145.30	105
A	Mar 2022	31	32	2	33	30	0	30	7149.87	109
L	Apr 2022	65	46	3	50	47	0	47	7153.31	112
*	May 2022	186	79	9	88	89	0	89	7152.08	111
	Jun 2022	112	72	4	76	74	0	74	7153.72	112
	Jul 2022	38	82	1	83	82	0	82	7153.73	112
	Aug 2022	31	80	0	80	80	0	80	7153.73	112
	Sep 2022	25	76	1	77	77	0	77	7153.73	112
	WY 2022	**608**	**580**	**26**	**606**	**604**	**0**	**604**		
	Oct 2022	30	74	2	76	76	0	76	7153.73	112
	Nov 2022	26	14	1	15	15	0	15	7153.73	112
	Dec 2022	22	15	1	16	16	0	16	7153.73	112
	Jan 2023	21	15	1	16	16	0	16	7153.73	112
	Feb 2023	20	13	1	15	15	0	15	7153.73	112
	Mar 2023	32	17	2	19	19	0	19	7153.73	112
	Apr 2023	72	31	9	40	40	0	40	7153.73	112
	May 2023	183	62	21	82	82	0	82	7153.73	112
	Jun 2023	215	52	15	67	67	0	67	7153.72	112
	Jul 2023	73	80	4	83	83	0	83	7153.73	112
	Aug 2023	46	83	1	84	84	0	84	7153.73	112
	Sep 2023	29	77	1	78	78	0	78	7153.73	112
	WY 2023	**770**	**532**	**60**	**592**	**591**	**0**	**591**		
	Oct 2023	33	72	1	74	74	0	74	7153.73	112
	Nov 2023	31	14	1	15	15	0	15	7153.73	112
	Dec 2023	27	14	1	15	15	0	15	7153.73	112
	Jan 2024	26	14	1	15	15	0	15	7153.73	112
	Feb 2024	25	13	1	14	14	0	14	7153.73	112
	Mar 2024	40	16	2	18	18	0	18	7153.73	112
	Apr 2024	89	29	11	39	39	0	39	7153.73	112
	May 2024	226	68	23	91	91	0	91	7153.73	112

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Crystal Reservoir

	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)
*	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
H	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
I	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
S	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**
T	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
O	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
R	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
I	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
C	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
A	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
L	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
*	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
	Jun 2022	116	74	4	79	78	0	78	6753.03	17	61	17
	Jul 2022	39	82	1	83	83	0	83	6753.04	17	65	18
	Aug 2022	34	80	3	83	83	0	83	6753.04	17	65	18
	Sep 2022	28	77	3	80	80	0	80	6753.04	17	55	25
	WY 2022	**668**	**604**	**60**	**665**	**617**	**48**	**664**			**385**	**273**
	Oct 2022	35	76	5	80	80	0	80	6753.04	17	55	25
	Nov 2022	30	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2022	26	16	4	20	20	0	20	6753.04	17	0	20
	Jan 2023	25	16	4	20	20	0	20	6753.04	17	0	20
	Feb 2023	23	15	3	18	18	0	18	6753.04	17	0	18
	Mar 2023	37	19	5	24	24	0	24	6753.04	17	5	19
	Apr 2023	81	40	9	49	49	0	49	6753.04	17	42	7
	May 2023	203	82	20	103	103	0	103	6753.04	17	62	41
	Jun 2023	237	67	22	88	88	0	88	6753.03	17	40	48
	Jul 2023	79	83	6	89	89	0	89	6753.04	17	30	59
	Aug 2023	51	84	5	89	89	0	89	6753.04	17	40	49
	Sep 2023	34	78	4	82	82	0	82	6753.04	17	55	27
	WY 2023	**860**	**591**	**90**	**681**	**681**	**0**	**681**			**329**	**352**
	Oct 2023	38	74	5	79	52	27	79	6753.04	17	55	24
	Nov 2023	35	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2023	32	15	5	20	20	0	20	6753.04	17	0	20
	Jan 2024	31	15	4	20	20	0	20	6753.04	17	0	20
	Feb 2024	29	14	4	18	18	0	18	6753.04	17	0	18
	Mar 2024	46	18	7	24	24	0	24	6753.04	17	5	19
	Apr 2024	100	39	11	50	50	0	50	6753.04	17	42	8
	May 2024	251	91	25	116	116	0	116	6753.04	17	62	54

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

Model Run ID: 3193

Processed On: 6/13/2022 4:26:23PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	44	39	7647.63	81
H	Jul 2021	19	36	7639.49	63
I	Aug 2021	13	34	7628.72	43
S	Sep 2021	7	26	7615.74	24
	WY 2021	**166**	**169**		
T	Oct 2021	8	3	7619.62	29
O	Nov 2021	5	2	7621.90	32
R	Dec 2021	4	0	7624.23	35
I	Jan 2022	4	0	7626.39	39
C	Feb 2022	3	0	7628.13	42
A	Mar 2022	7	0	7631.90	48
L	Apr 2022	27	2	7644.01	73
*	May 2022	53	33	7652.10	92
	Jun 2022	10	31	7642.78	70
	Jul 2022	5	29	7630.70	46
	Aug 2022	5	26	7616.17	24
	Sep 2022	8	21	7602.89	11
	WY 2022	**138**	**148**		
	Oct 2022	9	12	7599.12	9
	Nov 2022	6	2	7604.83	13
	Dec 2022	5	2	7607.97	16
	Jan 2023	4	2	7610.22	18
	Feb 2023	4	2	7612.16	20
	Mar 2023	7	2	7616.30	25
	Apr 2023	16	2	7626.35	39
	May 2023	47	25	7637.66	60
	Jun 2023	42	35	7641.02	67
	Jul 2023	15	34	7631.14	47
	Aug 2023	11	31	7617.71	26
	Sep 2023	11	24	7604.35	13
	WY 2023	**175**	**172**		
	Oct 2023	10	13	7599.48	9
	Nov 2023	8	2	7607.28	15
	Dec 2023	7	2	7612.17	20
	Jan 2024	6	2	7615.73	24
	Feb 2024	5	2	7618.67	28
	Mar 2024	10	2	7624.17	35
	Apr 2024	23	2	7636.27	57
	May 2024	68	31	7652.45	93

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

Model Run ID: 3193

Processed On: 6/13/2022 4:26:23PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum 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)
*	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
H	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
I	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
S	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
	WY 2021	**461**	**60**	**405**	**23**	**222**	**359**			**549**
T	Oct 2021	20	0	16	1	2	28	6022.31	887	45
O	Nov 2021	14	0	10	1	0	18	6021.39	879	36
R	Dec 2021	15	0	11	0	0	18	6020.63	872	35
I	Jan 2022	14	0	10	0	0	22	6019.21	859	38
C	Feb 2022	14	0	11	1	1	20	6018.00	848	33
A	Mar 2022	41	2	32	1	4	22	6018.57	853	38
L	Apr 2022	123	17	84	2	17	20	6023.53	898	44
*	May 2022	167	30	114	3	38	18	6029.39	954	104
	Jun 2022	5	0	26	3	51	64	6019.48	862	90
	Jul 2022	0	0	24	3	53	61	6008.49	768	71
	Aug 2022	0	0	21	2	45	51	5998.82	692	60
	Sep 2022	14	0	27	2	23	39	5993.83	654	53
	WY 2022	**427**	**49**	**387**	**19**	**236**	**382**			**648**
	Oct 2022	23	0	25	1	7	27	5992.53	644	43
	Nov 2022	20	0	16	1	0	20	5991.80	639	33
	Dec 2022	15	0	13	0	0	19	5990.89	632	30
	Jan 2023	14	0	12	0	0	23	5989.32	621	32
	Feb 2023	19	0	17	0	0	18	5989.10	620	26
	Mar 2023	60	4	52	1	5	18	5992.92	647	34
	Apr 2023	96	9	72	1	21	19	5997.05	678	55
	May 2023	164	20	123	2	35	17	6005.90	747	113
	Jun 2023	122	13	101	3	51	18	6009.55	777	120
	Jul 2023	21	1	40	3	56	43	6001.86	715	79
	Aug 2023	15	0	35	2	47	44	5994.32	658	65
	Sep 2023	20	0	34	2	26	37	5990.17	627	56
	WY 2023	**590**	**47**	**539**	**16**	**248**	**302**			**687**
	Oct 2023	35	1	38	1	9	28	5990.17	627	45
	Nov 2023	34	0	28	1	0	18	5991.43	636	35
	Dec 2023	24	0	19	0	0	17	5991.59	638	32
	Jan 2024	22	0	17	0	0	19	5991.30	635	33
	Feb 2024	29	0	25	0	0	15	5992.60	645	27
	Mar 2024	92	9	76	1	6	16	5999.75	699	38
	Apr 2024	147	17	108	2	21	17	6008.32	767	68
	May 2024	252	33	182	2	36	18	6022.92	893	153

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

Model Run ID: 3193

Processed On: 6/13/2022 4:26:23PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
H	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
I	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
S	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	**3502**	**4064**	**277**	**8229**	**0**	**8229**				**8279**
T	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
O	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
R	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
I	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
C	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
A	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
L	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	513
*	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	607
	Jun 2022	778	817	24	598	0	598	3534.47	4576	6526	596
	Jul 2022	222	400	29	673	0	673	3530.12	4553	6246	677
	Aug 2022	161	384	28	717	0	717	3524.74	4527	5911	731
	Sep 2022	181	364	25	542	0	542	3521.64	4512	5723	555
	WY 2022	**5037**	**5548**	**206**	**7000**	**0**	**7000**				**7085**
	Oct 2022	297	415	17	480	0	480	3520.37	4505	5646	491
	Nov 2022	317	366	17	500	0	500	3518.01	4494	5507	511
	Dec 2022	251	314	13	600	0	600	3513.23	4472	5230	613
	Jan 2023	247	316	3	664	0	664	3507.42	4446	4904	682
	Feb 2023	282	327	3	587	0	587	3502.93	4427	4661	601
	Mar 2023	436	417	6	620	0	620	3499.26	4411	4467	636
	Apr 2023	666	561	9	552	0	552	3499.26	4411	4467	562
	May 2023	1506	1230	11	550	0	550	3510.69	4461	5086	556
	Jun 2023	1765	1359	21	577	0	577	3522.78	4517	5791	582
	Jul 2023	505	536	26	652	0	652	3520.59	4506	5660	657
	Aug 2023	257	379	26	696	0	696	3515.19	4481	5342	710
	Sep 2023	222	339	23	522	0	522	3511.85	4466	5151	536
	WY 2023	**6750**	**6559**	**176**	**7000**	**0**	**7000**				**7137**
	Oct 2023	356	410	16	480	0	480	3510.44	4459	5072	493
	Nov 2023	437	410	15	500	0	500	3508.70	4452	4975	501
	Dec 2023	352	352	12	600	0	600	3504.30	4432	4734	602
	Jan 2024	347	346	3	760	0	760	3496.96	4402	4348	767
	Feb 2024	396	379	3	670	0	670	3491.58	4380	4076	679
	Mar 2024	613	494	5	607	103	710	3487.42	4363	3871	723
	Apr 2024	935	731	8	531	99	630	3489.19	4370	3957	647
	May 2024	2114	1622	11	630	0	630	3506.73	4443	4866	652

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

Model Run ID: 3193

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	651	-31	51	939	15.8	32	927	592	1068.77	9102
H	Jul 2021	767	95	63	862	14.0	31	853	586	1067.65	9014
I	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
S	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	**8229**	**557**	**529**	**9361**		**241**	**9360**			
T	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
O	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
R	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
I	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
C	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
A	Mar 2022	574	42	25	1010	16.4	17	1009	555	1061.49	8536
L	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
*	May 2022	598	9	40	1083	17.6	26	1075	489	1047.69	7517
	Jun 2022	598	-13	47	904	15.2	32	904	464	1042.38	7143
	Jul 2022	673	17	44	837	13.6	38	837	450	1039.28	6928
	Aug 2022	717	73	48	765	12.4	39	765	447	1038.44	6871
	Sep 2022	542	70	46	688	11.6	30	688	437	1036.34	6728
	WY 2022	**7000**	**532**	**461**	**9269**		**256**	**9279**			
	Oct 2022	480	60	44	472	7.7	23	472	437	1036.36	6730
	Nov 2022	500	60	38	578	9.7	12	578	433	1035.43	6666
	Dec 2022	600	70	31	473	7.7	7	473	443	1037.63	6815
	Jan 2023	664	92	22	597	9.7	11	597	451	1039.37	6935
	Feb 2023	587	74	20	541	9.7	8	541	456	1040.62	7021
	Mar 2023	620	86	22	875	14.2	16	875	444	1037.78	6826
	Apr 2023	552	53	29	987	16.6	18	987	418	1031.79	6423
	May 2023	550	29	36	969	15.8	22	969	390	1025.34	6003
	Jun 2023	577	25	42	911	15.3	31	911	367	1019.67	5644
	Jul 2023	652	29	40	824	13.4	35	824	353	1016.35	5438
	Aug 2023	696	73	43	795	12.9	37	795	347	1014.72	5339
	Sep 2023	522	71	41	687	11.5	33	687	337	1012.12	5181
	WY 2023	**7000**	**723**	**407**	**8709**		**255**	**8709**			
	Oct 2023	480	69	39	521	8.5	27	521	334	1011.53	5146
	Nov 2023	500	68	34	643	10.8	15	643	327	1009.59	5030
	Dec 2023	600	69	27	538	8.8	10	538	333	1011.05	5117
	Jan 2024	760	87	19	550	8.9	11	550	349	1015.21	5368
	Feb 2024	670	88	18	497	8.6	8	497	363	1018.79	5589
	Mar 2024	710	107	20	830	13.5	16	830	360	1018.05	5543
	Apr 2024	630	72	27	941	15.8	18	941	343	1013.70	5277
	May 2024	630	43	33	927	15.1	23	927	324	1008.84	4986

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

Model Run ID: 3193

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	939	15	25	901	0	901	15.1	643.33	1708
H	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
I	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
S	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	**9361**	**-82**	**198**	**9040**	**0**	**9040**			
T	Oct 2021	581	-3	14	638	0	658	10.7	634.42	1471
O	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
R	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
I	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
C	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
A	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
L	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
*	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
	Jun 2022	904	-18	14	881	0	881	14.8	643.00	1699
	Jul 2022	837	-19	12	819	0	819	13.3	642.50	1685
	Aug 2022	765	-17	16	746	0	746	12.1	642.00	1671
	Sep 2022	688	-8	16	718	0	718	12.1	640.01	1617
	WY 2022	**9269**	**-215**	**151**	**8836**	**0**	**8855**			
	Oct 2022	472	-11	14	630	0	630	10.2	633.00	1434
	Nov 2022	578	-16	13	498	0	498	8.4	635.00	1486
	Dec 2022	473	-5	13	337	0	337	5.5	639.51	1604
	Jan 2023	597	-12	9	514	0	514	8.4	641.80	1666
	Feb 2023	541	-11	8	523	0	523	9.4	641.80	1666
	Mar 2023	875	-9	10	822	0	822	13.4	643.05	1700
	Apr 2023	987	-13	13	963	0	963	16.2	643.00	1699
	May 2023	969	-13	14	942	0	942	15.3	643.00	1699
	Jun 2023	911	-18	14	879	0	879	14.8	643.00	1699
	Jul 2023	824	-19	12	820	0	820	13.3	642.00	1671
	Aug 2023	795	-17	15	763	0	763	12.4	642.00	1671
	Sep 2023	687	-8	16	717	0	717	12.0	640.01	1617
	WY 2023	**8709**	**-151**	**151**	**8406**	**0**	**8406**			
	Oct 2023	521	-11	14	679	0	679	11.0	633.00	1434
	Nov 2023	643	-16	13	563	0	563	9.5	635.00	1486
	Dec 2023	538	-5	13	403	0	403	6.5	639.51	1604
	Jan 2024	550	-12	9	467	0	467	7.6	641.80	1666
	Feb 2024	497	-11	8	478	0	478	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

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	901	20	15	706	11.9	103	87	448.55	591	151	2.5
H	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
I	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
S	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**	
T	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
O	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
R	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
I	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
C	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
A	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
L	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
*	May 2022	1041	9	13	741	12.0	106	150	448.68	593	138	2.2
	Jun 2022	881	7	16	702	11.8	103	58	448.50	589	143	2.4
	Jul 2022	819	14	17	687	11.2	106	20	448.00	580	139	2.3
	Aug 2022	746	13	17	615	10.0	106	20	447.50	571	118	1.9
	Sep 2022	718	12	15	515	8.7	103	86	447.50	570	104	1.7
	WY 2022	**8855**	**119**	**139**	**6493**		**1117**	**1149**			**1463**	
	Oct 2022	630	18	12	439	7.1	106	85	447.50	571	63	1.0
	Nov 2022	498	17	9	342	5.8	105	53	447.50	570	91	1.5
	Dec 2022	337	18	7	222	3.6	107	33	446.50	552	87	1.4
	Jan 2023	514	14	6	305	5.0	102	110	446.50	552	132	2.1
	Feb 2023	523	5	8	396	7.1	20	97	446.50	552	118	2.1
	Mar 2023	822	4	9	603	9.8	102	100	446.70	555	140	2.3
	Apr 2023	963	8	11	709	11.9	99	104	448.70	593	140	2.3
	May 2023	942	6	13	717	11.7	102	103	448.70	593	105	1.7
	Jun 2023	879	7	16	714	12.0	99	44	448.70	593	111	1.9
	Jul 2023	820	14	17	679	11.0	102	36	448.00	580	117	1.9
	Aug 2023	763	13	17	620	10.1	102	35	447.50	571	97	1.6
	Sep 2023	717	12	15	520	8.7	99	84	447.50	570	94	1.6
	WY 2023	**8406**	**135**	**139**	**6268**		**1143**	**884**			**1294**	
	Oct 2023	679	18	12	478	7.8	102	99	447.50	571	85	1.4
	Nov 2023	563	17	9	367	6.2	99	99	447.50	570	109	1.8
	Dec 2023	403	18	7	256	4.2	102	70	446.50	552	105	1.7
	Jan 2024	467	14	6	292	4.7	85	93	446.50	552	119	1.9
	Feb 2024	478	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

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

Model Run ID: 3193

Processed On: 6/13/2022 4:26:23PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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
*	Jun 2021	939	15.8	1068.77	9102	-378	419.04	1451.0	366.8	100	390.7
H	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
I	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
S	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
	WY 2021	**9361**							**3643.8**		
T	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
O	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
R	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
I	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
C	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
A	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
L	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
*	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
	Jun 2022	904	15.2	1042.38	7143	-374	393.79	1076.9	321.3	81	355.3
	Jul 2022	837	13.6	1039.28	6928	-215	388.58	1113.2	293.4	94	350.7
	Aug 2022	765	12.4	1038.44	6871	-57	386.95	1106.7	264.7	94	346.1
	Sep 2022	688	11.6	1036.34	6728	-143	386.31	1090.1	235.8	94	342.9
	WY 2022	**9269**							**3364.0**		
	Oct 2022	472	7.7	1036.36	6730	1	389.41	879.6	165.1	75	349.7
	Nov 2022	578	9.7	1035.43	6666	-63	391.01	899.8	201.3	78	348.4
	Dec 2022	473	7.7	1037.63	6815	149	389.52	913.9	165.4	78	349.7
	Jan 2023	597	9.7	1039.37	6935	119	389.86	856.0	207.6	72	348.0
	Feb 2023	541	9.7	1040.62	7021	86	390.49	876.3	188.7	73	348.6
	Mar 2023	875	14.2	1037.78	6826	-195	388.76	919.8	310.1	78	354.2
	Apr 2023	987	16.6	1031.79	6423	-403	384.63	808.7	341.8	72	346.4
	May 2023	969	15.8	1025.34	6003	-420	378.19	799.6	330.2	75	340.8
	Jun 2023	911	15.3	1019.67	5644	-359	370.92	891.2	299.7	87	329.0
	Jul 2023	824	13.4	1016.35	5438	-206	365.51	995.0	266.9	100	323.9
	Aug 2023	795	12.9	1014.72	5339	-100	363.39	981.2	255.0	100	320.5
	Sep 2023	687	11.5	1012.12	5181	-157	361.94	959.1	217.0	100	315.9
	WY 2023	**8709**							**2948.7**		
	Oct 2023	521	8.5	1011.53	5146	-35	365.71	660.6	171.3	69	328.6
	Nov 2023	643	10.8	1009.59	5030	-116	366.28	692.3	206.7	74	321.5
	Dec 2023	538	8.8	1011.05	5117	87	362.68	819.9	170.0	86	315.7
	Jan 2024	550	8.9	1015.21	5368	251	364.72	705.4	175.6	72	319.6
	Feb 2024	497	8.6	1018.79	5589	221	368.24	684.4	160.3	67	322.8
	Mar 2024	830	13.5	1018.05	5543	-46	368.47	757.5	274.0	75	330.0
	Apr 2024	941	15.8	1013.70	5277	-267	364.96	786.7	304.7	81	323.8
	May 2024	927	15.1	1008.84	4986	-291	361.08	691.1	293.8	74	316.9

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

Model Run ID: 3193

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 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
*	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
H	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
I	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
S	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
	WY 2021	**9040**							**1141.6**		
T	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
O	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
R	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
I	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
C	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
A	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
L	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
*	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
	Jun 2022	881	14.8	643.00	1699	-10	139.49	251.6	110.8	99	125.7
	Jul 2022	819	13.3	642.50	1685	-14	139.61	255.0	103.0	100	125.8
	Aug 2022	746	12.1	642.00	1671	-14	139.55	255.0	93.8	100	125.7
	Sep 2022	718	12.1	640.01	1617	-54	138.33	255.0	89.4	100	124.6
	WY 2022	**8836**							**1110.4**		
	Oct 2022	630	10.2	633.00	1434	-183	134.55	227.0	76.4	89	121.2
	Nov 2022	498	8.4	635.00	1486	51	132.84	159.8	59.6	63	119.7
	Dec 2022	337	5.5	639.51	1604	118	137.42	154.7	41.7	61	123.8
	Jan 2023	514	8.4	641.80	1666	62	139.50	156.3	64.6	61	125.7
	Feb 2023	523	9.4	641.80	1666	0	140.19	156.6	66.0	61	126.3
	Mar 2023	822	13.4	643.05	1700	34	139.26	194.1	103.2	76	125.5
	Apr 2023	963	16.2	643.00	1699	-2	138.87	249.9	120.4	98	125.1
	May 2023	942	15.3	643.00	1699	0	139.14	255.0	118.0	100	125.4
	Jun 2023	879	14.8	643.00	1699	0	139.33	255.0	110.3	100	125.5
	Jul 2023	820	13.3	642.00	1671	-27	139.35	255.0	102.9	100	125.5
	Aug 2023	763	12.4	642.00	1671	0	139.19	255.0	95.7	100	125.4
	Sep 2023	717	12.0	640.01	1617	-54	138.33	255.0	89.3	100	124.6
	WY 2023	**8406**							**1048.1**		
	Oct 2023	679	11.0	633.00	1434	-183	134.22	227.0	82.1	89	120.9
	Nov 2023	563	9.5	635.00	1486	51	132.37	159.8	67.1	63	119.3
	Dec 2023	403	6.5	639.51	1604	118	136.91	154.7	49.6	61	123.3
	Jan 2024	467	7.6	641.80	1666	62	139.83	156.3	58.8	61	126.0
	Feb 2024	478	8.3	641.80	1666	0	140.66	156.6	60.6	61	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	114.9	98	125.3
	May 2024	900	14.6	643.00	1699	0	139.38	255.0	113.0	100	125.6

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

Model Run ID: 3193

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 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
*	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
H	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
I	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
S	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
	WY 2021	**6393**							**442.4**		
T	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
O	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
R	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
I	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
C	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
A	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
L	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
*	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
	Jun 2022	702	11.8	448.50	589	-4	78.76	120.0	49.3	100	70.2
	Jul 2022	687	11.2	448.00	580	-10	78.66	120.0	47.9	100	69.7
	Aug 2022	615	10.0	447.50	571	-9	78.63	120.0	42.7	100	69.5
	Sep 2022	515	8.7	447.50	570	0	78.96	120.0	35.8	100	69.4
	WY 2022	**6492**							**450.1**		
	Oct 2022	439	7.1	447.50	571	0	79.66	93.9	30.9	78	70.4
	Nov 2022	342	5.8	447.50	570	0	80.36	90.0	23.6	75	68.9
	Dec 2022	222	3.6	446.50	552	-19	81.02	111.3	14.2	93	64.0
	Jan 2023	305	5.0	446.50	552	0	79.77	93.9	20.4	78	66.9
	Feb 2023	396	7.1	446.50	552	0	78.67	95.2	27.4	79	69.1
	Mar 2023	603	9.8	446.70	555	4	77.56	120.0	41.4	100	68.6
	Apr 2023	709	11.9	448.70	593	38	77.82	120.0	49.3	100	69.6
	May 2023	717	11.7	448.70	593	0	78.92	120.0	50.5	100	70.3
	Jun 2023	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2023	679	11.0	448.00	580	-13	78.81	120.0	47.4	100	69.9
	Aug 2023	620	10.1	447.50	571	-10	78.60	120.0	43.1	100	69.4
	Sep 2023	520	8.7	447.50	570	0	78.93	120.0	36.1	100	69.4
	WY 2023	**6268**							**434.5**		
	Oct 2023	478	7.8	447.50	571	0	79.37	91.0	33.5	76	70.2
	Nov 2023	367	6.2	447.50	570	0	80.14	92.0	25.2	77	68.7
	Dec 2023	256	4.2	446.50	552	-19	80.71	112.3	16.3	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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Upper Basin Power

	Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	Jun 2021	260	30	20	30	19	3
H	Jul 2021	303	24	27	34	20	3
I	Aug 2021	310	37	25	34	20	3
S	Sep 2021	238	36	24	33	19	2
	Summer 2021	**1614**	**182**	**140**	**190**	**114**	**17**
T	Oct 2021	183	29	14	22	7	2
O	Nov 2021	189	19	3	6	2	3
R	Dec 2021	226	19	2	5	2	4
I	Jan 2022	252	19	3	5	1	4
C	Feb 2022	201	17	3	4	1	3
A	Mar 2022	208	19	8	9	4	3
	Winter 2022	**1259**	**123**	**34**	**50**	**17**	**19**
L	Apr 2022	179	19	11	15	10	0
*	May 2022	214	52	20	31	18	3
	Jun 2022	215	42	19	27	13	4
	Jul 2022	241	28	22	30	14	3
	Aug 2022	254	36	21	29	14	3
	Sep 2022	190	35	19	28	14	3
	Summer 2022	**1292**	**212**	**111**	**160**	**83**	**16**
	Oct 2022	167	31	18	27	14	3
	Nov 2022	173	30	3	6	3	3
	Dec 2022	206	29	4	6	3	3
	Jan 2023	224	30	4	6	3	3
	Feb 2023	196	26	3	5	3	2
	Mar 2023	205	28	4	7	4	2
	Winter 2023	**1171**	**174**	**36**	**57**	**31**	**16**
	Apr 2023	181	16	8	14	8	2
	May 2023	183	27	16	30	18	4
	Jun 2023	198	16	14	24	15	6
	Jul 2023	227	17	22	30	15	6
	Aug 2023	240	17	23	30	15	6
	Sep 2023	179	18	21	28	14	5
	Summer 2023	**1208**	**111**	**105**	**157**	**86**	**27**
	Oct 2023	163	17	19	27	9	4
	Nov 2023	169	16	4	5	3	4
	Dec 2023	201	17	4	5	3	4
	Jan 2024	250	17	4	6	3	3
	Feb 2024	215	16	4	5	3	3
	Mar 2024	195	17	4	6	4	3
	Winter 2024	**998**	**83**	**34**	**48**	**22**	**17**
	Apr 2024	170	17	8	14	9	4
	May 2024	206	17	20	33	20	5

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Minimum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions

— BUREAU OF —
RECLAMATION

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****EFFECTIVE SPACE****										
Jun 2022	1,162	495	748	17976	20380	20103	40483	14	-8	-75	-69	17976	20103	38010	1500	904	0	20.4
Jul 2022	1,137	472	840	17796	20245	20477	40723	-19	-44	-37	-101	17796	20477	38173	1500	837	0	19.7
								****CREDITABLE SPACE****										
Aug 2022	1,168	510	933	18076	20687	20692	41379	1168	510	933	2611	18076	20692	41379	1500	765	0	19.0
Sep 2022	1,256	551	1,010	18411	21227	20749	41976	1256	551	1010	2816	18411	20749	41976	2270	688	0	18.5
Oct 2022	1,345	598	1,047	18599	21590	20892	42482	1345	598	1047	2990	18599	20892	42482	3040	472	0	18.1
Nov 2022	1,411	643	1,057	18676	21787	20890	42678	1411	643	1057	3111	18676	20890	42678	3810	578	0	17.9
Dec 2022	1,472	632	1,062	18815	21982	20954	42935	1472	632	1062	3166	18815	20954	42935	4580	473	0	17.8
Jan 2023	1,539	625	1,069	19092	22325	20805	43129	1539	625	1069	3233	19092	20805	43129	5350	597	0	17.6
								****EFFECTIVE SPACE****										
Jan 2023	1,539	625	1,069	19092	22325	20805	43129	239	294	262	794	19092	20805	40691	5350	597	0	17.6
Feb 2023	1,604	620	1,080	19418	22721	20685	43407	303	289	273	865	19418	20685	40968	1500	541	0	17.4
Mar 2023	1,657	614	1,082	19661	23013	20599	43612	356	283	274	912	19661	20599	41173	1500	875	0	17.0
Apr 2023	1,686	600	1,054	19855	23195	20794	43989	383	270	240	893	19855	20794	41541	1500	987	0	16.7
May 2023	1,664	573	1,023	19855	23115	21197	44312	357	238	187	782	19855	21197	41833	1500	969	0	17.2
Jun 2023	1,590	486	954	19236	22266	21617	43883	274	138	80	492	19236	21617	41345	1500	911	0	17.9
Jul 2023	1,386	358	924	18531	21200	21976	43176	57	-10	-3	43	18531	21976	40550	1500	824	0	17.5
								****CREDITABLE SPACE****										
Aug 2023	1,343	365	986	18662	21356	22182	43538	1343	365	986	2694	18662	22182	43538	1500	795	0	17.0
Sep 2023	1,363	396	1,044	18980	21783	22281	44064	1363	396	1044	2803	18980	22281	44064	2270	687	0	16.4
Oct 2023	1,400	440	1,074	19171	22084	22439	44523	1400	440	1074	2913	19171	22439	44523	3040	521	0	16.1
Nov 2023	1,417	481	1,074	19250	22222	22474	44696	1417	481	1074	2972	19250	22474	44696	3810	643	0	15.9
Dec 2023	1,427	465	1,065	19347	22303	22590	44894	1427	465	1065	2956	19347	22590	44894	4580	538	0	15.9
Jan 2024	1,448	452	1,064	19588	22552	22503	45055	1448	452	1064	2964	19588	22503	45055	5350	550	0	15.8
								****EFFECTIVE SPACE****										
Jan 2024	1,448	452	1,064	19588	22552	22503	45055	536	326	474	1337	19588	22503	43427	5350	550	0	15.8
Feb 2024	1,463	441	1,066	19974	22944	22252	45196	548	315	476	1339	19974	22252	43565	1500	497	0	15.8
Mar 2024	1,473	431	1,056	20246	23206	22031	45237	556	305	466	1326	20246	22031	43603	1500	830	0	15.7
Apr 2024	1,443	410	1,003	20451	23306	22077	45383	522	283	406	1210	20451	22077	43738	1500	941	0	15.7
May 2024	1,387	363	935	20365	23050	22343	45394	459	233	315	1007	20365	22343	43715	1500	927	0	16.7

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

Model Run ID: 3193

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