

To: All Annual Operating Plan Recipients

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In addition to the August 2021 24-Month Study based on the Most Probable inflow scenario, Reclamation has conducted model runs in August 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. 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/2021/August-Chart.pdf>.

The water year 2022 unregulated inflow in the Probable Minimum inflow scenario is 4.67 million acre-feet (maf), or 43% of average. Consistent with the Interim Guidelines, the August Probable Minimum 24-Month Study includes release volumes from Glen Canyon Dam of 8.23 maf in water year 2021 and 7.48 maf in water year 2022. Under the probable minimum scenario, Lake Powell's elevation is projected to be 3,493.67 feet on December 31, 2022. With intervening flows between Lake Powell and Lake Mead of 0.764 maf in calendar year 2022, Lake Mead's elevation is projected to be 1,047.31 feet on December 31, 2022.

The 2021 AOP is available online at: <https://www.usbr.gov/lc/region/g4000/aop/AOP21.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 Upper Basin Hydrology Summary is available online at: https://www.usbr.gov/uc/water/crsp/studies/24Month_08_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	41	2	74	0	74	6499.62	295
H	Sep 2020	25	2	26	35	61	6494.55	258
	WY 2020	996	15	856	137	993		
I	Oct 2020	32	1	0	55	55	6490.95	225
S	Nov 2020	33	1	17	35	52	6487.89	205
T	Dec 2020	27	1	50	1	51	6483.85	180
O	Jan 2021	25	1	48	2	51	6479.03	153
R	Feb 2021	24	0	46	0	46	6474.49	132
I	Mar 2021	40	0	51	0	51	6472.03	121
C	Apr 2021	54	1	49	0	49	6473.03	125
A	May 2021	76	1	49	0	49	6478.67	152
L	Jun 2021	143	2	42	0	42	6494.76	251
*	Jul 2021	45	2	43	0	43	6494.70	250
	Aug 2021	27	2	43	0	43	6492.11	241
	Sep 2021	25	2	42	0	42	6489.40	223
	WY 2021	552	14	479	94	573		
	Oct 2021	27	1	24	19	43	6486.78	206
	Nov 2021	23	1	39	0	39	6484.15	190
	Dec 2021	19	1	40	0	40	6480.31	168
	Jan 2022	17	1	40	0	40	6475.76	145
	Feb 2022	16	0	36	0	36	6471.27	124
	Mar 2022	29	0	37	0	37	6469.29	115
	Apr 2022	40	1	30	0	30	6471.56	125
	May 2022	73	1	31	0	31	6479.99	166
	Jun 2022	111	2	30	0	30	6492.67	245
	Jul 2022	57	2	31	0	31	6496.11	270
	Aug 2022	28	2	31	0	31	6495.43	265
	Sep 2022	20	2	30	0	30	6493.85	253
	WY 2022	460	14	397	19	416		
	Oct 2022	27	1	31	0	31	6493.10	248
	Nov 2022	34	1	60	0	60	6489.19	222
	Dec 2022	31	1	61	0	61	6484.28	191
	Jan 2023	29	1	61	0	61	6478.34	157
	Feb 2023	27	0	56	0	56	6472.21	128
	Mar 2023	48	0	61	0	61	6469.02	114
	Apr 2023	67	1	62	0	62	6470.22	119
	May 2023	123	1	68	0	68	6481.24	173
	Jun 2023	187	2	65	0	65	6499.15	292
	Jul 2023	97	3	68	0	68	6502.60	318

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir



— BUREAU OF —
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
H	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	WY 2020	1255	1251	80	1333	62	1395				2825
I	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
S	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
T	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
O	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
R	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
I	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
C	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
A	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
L	Jun 2021	149	46	10	80	0	80	125	6023.54	3107	205
*	Jul 2021	64	59	13	65	0	65	124	6023.05	3089	80
	Aug 2021	28	44	12	95	0	95	122	6021.36	3028	101
	Sep 2021	25	42	10	93	0	93	120	6019.70	2969	98
	WY 2021	649	672	77	829	0	829				1411
	Oct 2021	32	48	7	76	0	76	118	6018.75	2936	91
	Nov 2021	30	46	3	51	0	51	118	6018.54	2928	68
	Dec 2021	21	42	2	49	0	49	118	6018.31	2920	64
	Jan 2022	26	48	2	49	0	49	117	6018.24	2918	64
	Feb 2022	29	49	2	44	0	44	118	6018.30	2920	60
	Mar 2022	62	70	3	49	0	49	118	6018.80	2937	90
	Apr 2022	70	60	5	48	0	48	119	6019.01	2945	148
	May 2022	123	80	7	49	0	49	119	6019.67	2968	290
	Jun 2022	159	78	10	100	0	100	118	6018.80	2937	249
	Jul 2022	71	44	12	51	0	51	118	6018.27	2919	66
	Aug 2022	34	37	11	58	0	58	116	6017.36	2887	66
	Sep 2022	25	34	10	55	0	55	115	6016.49	2857	62
	WY 2022	680	636	73	679	0	679				1319
	Oct 2022	32	37	7	49	0	49	114	6015.95	2839	67
	Nov 2022	38	64	3	48	0	48	115	6016.33	2852	73
	Dec 2022	29	60	2	49	0	49	115	6016.58	2860	74
	Jan 2023	36	68	2	49	0	49	116	6017.07	2877	74
	Feb 2023	40	69	2	44	0	44	117	6017.69	2899	69
	Mar 2023	87	100	3	49	0	49	119	6019.02	2945	115
	Apr 2023	98	93	5	48	0	48	120	6020.13	2984	211
	May 2023	171	116	7	79	0	79	121	6020.93	3013	472
	Jun 2023	222	101	10	92	0	92	121	6020.91	3012	335
	Jul 2023	99	70	13	56	0	56	121	6020.93	3013	81

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
* Aug 2020	4	14	9311.83	73
H Sep 2020	5	9	9309.62	69
WY 2020	101	113		
I Oct 2020	4	5	9308.95	68
S Nov 2020	4	5	9308.44	67
T Dec 2020	4	5	9307.73	66
O Jan 2021	4	5	9306.89	65
R Feb 2021	3	5	9305.99	64
I Mar 2021	4	5	9304.90	62
C Apr 2021	7	5	9305.94	64
A May 2021	16	10	9310.13	70
L Jun 2021	24	16	9314.87	78
* Jul 2021	11	16	9311.57	72
Aug 2021	7	15	9306.22	64
Sep 2021	5	12	9301.52	57
WY 2021	93	105		
Oct 2021	5	5	9301.26	57
Nov 2021	4	4	9300.78	56
Dec 2021	3	4	9299.95	55
Jan 2022	3	4	9298.97	54
Feb 2022	3	4	9298.20	53
Mar 2022	3	4	9297.39	52
Apr 2022	6	6	9297.49	52
May 2022	18	11	9302.34	58
Jun 2022	24	15	9308.63	68
Jul 2022	9	23	9298.84	54
Aug 2022	6	22	9284.85	37
Sep 2022	5	18	9269.53	24
WY 2022	89	122		
Oct 2022	5	13	9257.90	17
Nov 2022	4	5	9256.39	16
Dec 2022	4	5	9254.25	15
Jan 2023	4	5	9251.71	14
Feb 2023	4	5	9249.46	13
Mar 2023	4	5	9247.30	12
Apr 2023	8	9	9244.09	10
May 2023	22	15	9257.92	17
Jun 2023	30	21	9271.90	26
Jul 2023	11	24	9250.29	13

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	26	36	1	95	0	95	7478.53	495
H	Sep 2020	23	26	1	80	2	82	7470.42	439
	WY 2020	607	619	8	806	26	908		
I	Oct 2020	20	22	0	66	0	66	7463.47	389
S	Nov 2020	25	25	0	18	0	18	7464.59	396
T	Dec 2020	21	22	0	21	0	21	7464.73	397
O	Jan 2021	22	23	0	19	0	19	7465.24	400
R	Feb 2021	20	22	0	21	0	21	7465.37	401
I	Mar 2021	29	30	0	32	0	32	7465.07	399
C	Apr 2021	47	46	1	79	0	79	7459.68	365
A	May 2021	90	83	1	96	2	98	7457.14	350
L	Jun 2021	127	119	1	77	0	77	7463.84	391
*	Jul 2021	53	58	1	98	0	98	7457.21	350
	Aug 2021	38	46	1	95	0	95	7448.43	301
	Sep 2021	28	35	1	91	0	91	7437.10	244
	WY 2021	519	531	6	714	2	715		
	Oct 2021	28	28	0	74	0	74	7426.99	198
	Nov 2021	20	21	0	17	0	17	7427.89	202
	Dec 2021	17	18	0	17	0	17	7428.07	203
	Jan 2022	16	18	0	18	0	18	7428.04	202
	Feb 2022	15	16	0	16	0	16	7428.13	203
	Mar 2022	23	25	0	20	0	20	7429.06	207
	Apr 2022	43	43	0	47	0	47	7428.09	203
	May 2022	101	94	1	90	0	90	7429.07	207
	Jun 2022	122	113	1	63	0	63	7439.63	256
	Jul 2022	43	57	1	81	0	81	7434.34	231
	Aug 2022	31	47	1	81	0	81	7426.45	196
	Sep 2022	21	34	0	76	0	76	7415.74	153
	WY 2022	480	513	5	599	0	599		
	Oct 2022	25	33	0	71	0	71	7404.54	115
	Nov 2022	26	27	0	15	0	15	7407.99	126
	Dec 2022	25	26	0	16	0	16	7411.05	136
	Jan 2023	24	25	0	16	0	16	7413.62	145
	Feb 2023	22	23	0	14	0	14	7416.09	154
	Mar 2023	34	35	0	18	0	18	7420.64	172
	Apr 2023	63	65	0	42	0	42	7426.19	195
	May 2023	148	141	1	178	3	181	7416.03	154
	Jun 2023	179	170	1	133	0	133	7425.26	191
	Jul 2023	62	75	1	79	0	79	7424.16	186

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	27	95	1	96	95	0	97	7151.26	110
H	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	WY 2020	632	908	25	933	917	0	933		
I	Oct 2020	21	66	1	67	66	0	66	7151.06	110
S	Nov 2020	27	18	2	20	23	0	23	7147.26	107
T	Dec 2020	24	21	3	24	23	0	23	7148.38	108
O	Jan 2021	23	19	1	21	23	0	23	7145.78	106
R	Feb 2021	21	21	1	22	21	0	21	7146.38	106
I	Mar 2021	30	32	1	33	35	0	35	7143.99	104
C	Apr 2021	49	79	1	81	82	0	82	7141.50	103
A	May 2021	93	98	4	102	91	0	91	7155.08	113
L	Jun 2021	132	77	4	81	85	0	85	7150.02	109
*	Jul 2021	54	98	1	99	97	0	97	7152.51	111
	Aug 2021	40	95	2	97	96	0	96	7153.73	112
	Sep 2021	30	91	2	93	93	0	93	7153.73	112
	WY 2021	544	715	24	740	736	0	736		
	Oct 2021	30	74	2	76	76	0	76	7153.73	112
	Nov 2021	22	17	2	18	18	0	18	7153.73	112
	Dec 2021	19	17	2	19	19	0	19	7153.73	112
	Jan 2022	18	18	1	19	19	0	19	7153.73	112
	Feb 2022	17	16	2	17	17	0	17	7153.73	112
	Mar 2022	26	20	3	23	23	0	23	7153.73	112
	Apr 2022	50	47	7	54	54	0	54	7153.73	112
	May 2022	113	90	12	102	102	0	102	7153.73	112
	Jun 2022	132	63	9	73	73	0	73	7153.72	112
	Jul 2022	45	81	2	83	83	0	83	7153.73	112
	Aug 2022	32	81	2	83	83	0	83	7153.73	112
	Sep 2022	22	76	2	77	77	0	77	7153.73	112
	WY 2022	525	599	45	644	643	0	643		
	Oct 2022	28	71	2	73	73	0	73	7153.73	112
	Nov 2022	28	15	2	17	17	0	17	7153.73	112
	Dec 2022	27	16	2	17	17	0	17	7153.73	112
	Jan 2023	26	16	2	18	18	0	18	7153.73	112
	Feb 2023	24	14	2	16	16	0	16	7153.73	112
	Mar 2023	38	18	3	21	21	0	21	7153.73	112
	Apr 2023	72	42	9	50	50	0	50	7153.73	112
	May 2023	163	181	15	196	196	0	196	7153.73	112
	Jun 2023	189	133	10	143	142	0	142	7153.72	112
	Jul 2023	64	79	2	81	81	0	81	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
H	Sep 2020	25	84	1	85	59	27	85	6749.98	16	59	28
	WY 2020	683	933	51	984	905	72	984			447	535
I	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
S	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
T	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
O	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
R	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
I	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
C	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	36
A	May 2021	103	91	10	101	100	1	100	6753.35	17	64	37
L	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
*	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
	Aug 2021	43	96	3	99	98	0	98	6753.04	17	65	33
	Sep 2021	34	93	4	97	97	0	97	6753.04	17	55	42
	WY 2021	593	736	49	785	762	22	784			417	368
	Oct 2021	34	76	4	80	80	0	80	6753.04	17	30	50
	Nov 2021	24	18	3	21	21	0	21	6753.04	17	0	21
	Dec 2021	21	19	3	22	22	0	22	6753.04	17	0	22
	Jan 2022	20	19	2	22	22	0	22	6753.04	17	0	22
	Feb 2022	19	17	2	19	19	0	19	6753.04	17	0	19
	Mar 2022	30	23	3	26	26	0	26	6753.04	17	5	21
	Apr 2022	56	54	6	60	60	0	60	6753.04	17	42	18
	May 2022	125	102	11	113	113	0	113	6753.04	17	62	51
	Jun 2022	142	73	11	83	83	0	83	6753.03	17	61	22
	Jul 2022	48	83	3	86	86	0	86	6753.04	17	65	21
	Aug 2022	36	83	3	86	86	0	86	6753.04	17	65	21
	Sep 2022	25	77	3	80	80	0	80	6753.04	17	55	25
	WY 2022	580	643	55	698	698	0	698			385	313
	Oct 2022	32	73	4	77	77	0	77	6753.04	17	55	22
	Nov 2022	31	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2022	31	17	4	22	22	0	22	6753.04	17	0	22
	Jan 2023	29	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2023	28	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2023	43	21	6	26	26	0	26	6753.04	17	5	21
	Apr 2023	82	50	10	60	60	0	60	6753.04	17	42	18
	May 2023	181	196	18	214	134	80	214	6753.04	17	62	152
	Jun 2023	207	142	18	160	130	30	160	6753.03	17	61	99
	Jul 2023	70	81	6	87	86	0	86	6753.04	17	65	21

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	5	36	7635.21	54
H	Sep 2020	4	28	7620.77	30
WY 2020		167	213		
I	Oct 2020	3	2	7620.99	30
S	Nov 2020	3	0	7623.08	33
T	Dec 2020	3	0	7624.62	36
O	Jan 2021	3	0	7626.24	38
R	Feb 2021	3	0	7627.63	41
I	Mar 2021	4	0	7629.73	44
C	Apr 2021	14	1	7636.28	57
A	May 2021	50	30	7645.56	77
L	Jun 2021	44	39	7647.63	81
*	Jul 2021	19	36	7639.49	63
	Aug 2021	15	37	7627.63	41
	Sep 2021	13	30	7615.83	24
WY 2021		173	177		
	Oct 2021	11	17	7610.10	18
	Nov 2021	5	2	7612.67	20
	Dec 2021	4	2	7614.88	23
	Jan 2022	4	2	7616.29	25
	Feb 2022	3	2	7617.61	26
	Mar 2022	5	2	7620.14	30
	Apr 2022	13	2	7627.23	40
	May 2022	39	22	7636.56	57
	Jun 2022	32	29	7637.42	59
	Jul 2022	10	29	7627.33	40
	Aug 2022	9	26	7615.06	23
	Sep 2022	9	21	7603.04	12
WY 2022		145	155		
	Oct 2022	9	11	7599.89	9
	Nov 2022	7	2	7605.66	14
	Dec 2022	7	2	7610.61	18
	Jan 2023	5	2	7613.80	22
	Feb 2023	5	2	7616.60	25
	Mar 2023	8	2	7621.10	31
	Apr 2023	19	2	7631.53	48
	May 2023	58	29	7645.55	77
	Jun 2023	47	40	7648.55	84
	Jul 2023	15	39	7637.89	60

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
H	Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
	WY 2020	431	48	429	27	230	411			671
I	Oct 2020	6	0	6	1	9	42	6039.09	1103	42
S	Nov 2020	17	0	14	1	0	22	6038.29	1094	37
T	Dec 2020	10	0	7	1	0	22	6036.88	1079	33
O	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
R	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
I	Mar 2021	23	1	19	1	4	24	6033.31	1042	32
C	Apr 2021	82	13	57	2	20	32	6033.54	1045	31
A	May 2021	169	25	125	3	34	27	6039.27	1105	65
L	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
*	Jul 2021	24	2	39	4	45	35	6035.96	1070	56
	Aug 2021	19	1	41	3	47	52	6029.96	1008	60
	Sep 2021	25	0	41	2	26	50	6026.31	972	56
	WY 2021	504	60	447	23	231	371			566
	Oct 2021	30	1	36	1	9	41	6024.71	956	46
	Nov 2021	18	0	15	1	0	35	6022.52	935	45
	Dec 2021	14	0	12	0	0	34	6020.16	913	43
	Jan 2022	13	0	11	0	0	25	6018.67	899	33
	Feb 2022	17	0	15	1	0	20	6018.11	894	27
	Mar 2022	50	2	44	1	5	23	6019.72	909	34
	Apr 2022	74	6	57	2	21	26	6020.61	918	51
	May 2022	134	15	102	3	35	17	6025.49	964	89
	Jun 2022	86	8	76	3	51	26	6024.96	959	95
	Jul 2022	13	0	31	3	56	55	6016.11	876	79
	Aug 2022	11	0	28	2	47	49	6008.06	805	65
	Sep 2022	15	0	26	2	26	42	6002.93	763	56
	WY 2022	475	32	453	20	250	393			663
	Oct 2022	22	0	24	1	9	31	6000.78	745	46
	Nov 2022	24	0	19	1	0	21	6000.51	743	35
	Dec 2022	22	0	17	0	0	17	6000.44	742	32
	Jan 2023	20	0	16	0	0	19	5999.99	739	33
	Feb 2023	26	0	22	1	0	14	6000.86	746	26
	Mar 2023	75	6	63	1	5	15	6005.85	787	34
	Apr 2023	112	12	83	2	21	15	6011.23	833	55
	May 2023	202	25	148	3	35	15	6021.64	927	131
	Jun 2023	130	15	108	3	51	21	6025.08	960	132
	Jul 2023	19	0	42	3	56	40	6019.04	903	78

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
H	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	WY 2020	5848	6543	372	8230	0	8230				8425
I	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
S	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
T	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
O	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
R	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
I	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	698
C	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	635
A	May 2021	543	495	20	624	0	624	3560.57	4723	8366	650
L	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	678
*	Jul 2021	209	305	36	767	0	767	3553.88	4683	7866	798
	Aug 2021	180	384	34	801	0	801	3548.07	4650	7448	825
	Sep 2021	190	372	31	623	0	623	3544.34	4629	7187	639
	WY 2021	3437	3988	276	8230	0	8230				8383
	Oct 2021	270	380	21	480	0	480	3542.71	4620	7075	490
	Nov 2021	267	302	20	500	0	500	3539.72	4604	6873	513
	Dec 2021	213	261	16	600	0	600	3534.76	4577	6544	613
	Jan 2022	206	242	4	723	0	723	3527.72	4541	6095	744
	Feb 2022	235	255	4	639	0	639	3521.85	4513	5735	657
	Mar 2022	368	332	7	675	0	675	3516.38	4487	5411	688
	Apr 2022	464	424	11	601	0	601	3513.36	4473	5237	616
	May 2022	997	845	13	599	0	599	3517.10	4490	5453	606
	Jun 2022	1060	942	21	628	0	628	3521.67	4512	5724	632
	Jul 2022	241	357	26	709	0	709	3515.74	4484	5374	716
	Aug 2022	163	323	24	758	0	758	3508.23	4450	4949	776
	Sep 2022	186	325	22	568	0	568	3503.73	4430	4703	584
	WY 2022	4670	4986	189	7480	0	7480				7635
	Oct 2022	274	355	14	480	0	480	3501.30	4420	4574	489
	Nov 2022	366	362	14	500	0	500	3498.61	4408	4433	514
	Dec 2022	332	338	11	600	0	600	3493.67	4388	4180	613
	Jan 2023	320	326	3	664	0	664	3487.29	4363	3864	683
	Feb 2023	366	352	3	322	265	587	3482.68	4345	3644	604
	Mar 2023	572	470	5	0	620	620	3479.61	4334	3501	638
	Apr 2023	722	585	7	0	552	552	3480.13	4336	3525	569
	May 2023	1551	1366	9	550	0	550	3495.47	4395	4272	558
	Jun 2023	1650	1430	18	577	0	577	3509.95	4457	5045	581
	Jul 2023	375	426	23	652	0	652	3505.77	4439	4814	661

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
H	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
	WY 2020	8230	863	553	8263		255	8267			
I	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
S	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
T	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
O	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
R	Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
I	Mar 2021	700	33	31	945	15.4	15	936	675	1084.39	10378
C	Apr 2021	628	36	38	1057	17.8	22	1056	647	1079.30	9953
A	May 2021	624	28	43	1086	17.7	27	1077	616	1073.50	9480
L	Jun 2021	651	-13	51	956	16.1	33	945	592	1068.77	9102
*	Jul 2021	767	93	63	862	14.0	30	854	586	1067.65	9014
	Aug 2021	801	81	67	752	12.2	35	752	588	1067.98	9040
	Sep 2021	623	71	55	677	11.4	31	677	583	1067.15	8975
	WY 2021	8230	606	529	9443		252	9445			
	Oct 2021	480	47	40	605	9.8	25	605	575	1065.44	8841
	Nov 2021	500	63	40	629	10.6	13	629	567	1064.00	8730
	Dec 2021	600	64	34	518	8.4	8	518	574	1065.26	8827
	Jan 2022	723	104	28	531	8.6	11	531	589	1068.34	9068
	Feb 2022	639	87	26	632	11.4	9	632	593	1069.03	9123
	Mar 2022	675	64	29	909	14.8	16	909	580	1066.46	8921
	Apr 2022	601	72	36	976	16.4	18	976	558	1062.15	8587
	May 2022	599	36	40	953	15.5	21	953	535	1057.45	8231
	Jun 2022	628	21	47	913	15.3	30	913	514	1053.12	7910
	Jul 2022	709	36	58	805	13.1	35	805	505	1051.15	7766
	Aug 2022	758	90	62	773	12.6	36	773	503	1050.87	7746
	Sep 2022	568	78	51	689	11.6	32	689	496	1049.24	7628
	WY 2022	7480	760	491	8930		254	8930			
	Oct 2022	480	43	37	535	8.7	27	535	491	1048.26	7558
	Nov 2022	500	69	36	655	11.0	16	655	483	1046.44	7428
	Dec 2022	600	64	31	555	9.0	11	555	487	1047.31	7490
	Jan 2023	664	95	26	538	8.7	12	538	498	1049.72	7663
	Feb 2023	587	83	24	628	11.3	9	628	499	1049.85	7672
	Mar 2023	620	86	27	905	14.7	16	905	484	1046.68	7445
	Apr 2023	552	83	32	973	16.4	18	973	460	1041.48	7080
	May 2023	550	41	36	956	15.5	22	956	434	1035.68	6683
	Jun 2023	577	20	43	925	15.5	31	925	410	1030.03	6307
	Jul 2023	652	43	52	821	13.4	35	821	397	1026.96	6107

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
H	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
	WY 2020	8263	-50	198	8063	0	8063			
I	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
S	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
T	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
O	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
R	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
I	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
C	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
A	May 2021	1086	-10	22	1055	0	1055	17.2	642.32	1680
L	Jun 2021	956	-2	25	901	0	901	15.1	643.33	1708
*	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
	Aug 2021	752	-11	23	747	0	747	12.2	642.25	1678
	Sep 2021	677	-11	18	762	0	762	12.8	638.00	1564
	WY 2021	9443	-143	198	9063	0	9062			
	Oct 2021	605	-11	15	709	0	709	11.5	633.00	1434
	Nov 2021	629	-23	10	544	0	544	9.2	635.00	1486
	Dec 2021	518	-11	9	380	0	380	6.2	639.51	1604
	Jan 2022	531	-17	10	443	0	443	7.2	641.80	1666
	Feb 2022	632	-9	10	613	0	613	11.0	641.80	1666
	Mar 2022	909	-7	13	855	0	855	13.9	643.05	1700
	Apr 2022	976	-8	17	952	0	952	16.0	643.00	1699
	May 2022	953	-8	22	922	0	922	15.0	643.00	1699
	Jun 2022	913	-13	25	874	0	874	14.7	643.00	1699
	Jul 2022	805	-10	25	797	0	797	13.0	642.00	1671
	Aug 2022	773	-11	23	739	0	739	12.0	642.00	1671
	Sep 2022	689	-11	18	713	0	713	12.0	640.01	1617
	WY 2022	8930	-138	197	8541	0	8541			
	Oct 2022	535	-11	15	692	0	692	11.3	633.00	1434
	Nov 2022	655	-23	10	570	0	570	9.6	635.00	1486
	Dec 2022	555	-11	9	417	0	417	6.8	639.51	1604
	Jan 2023	538	-17	10	449	0	449	7.3	641.80	1666
	Feb 2023	628	-9	10	609	0	609	11.0	641.80	1666
	Mar 2023	905	-7	13	851	0	851	13.8	643.05	1700
	Apr 2023	973	-8	17	950	0	950	16.0	643.00	1699
	May 2023	956	-8	22	925	0	925	15.0	643.00	1699
	Jun 2023	925	-13	25	886	0	886	14.9	643.00	1699
	Jul 2023	821	-10	25	813	0	813	13.2	642.00	1671

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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)
*	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	127	2.1
H	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	111	1.9
	WY 2020	8063	98	139	6041		631	1319			1494	
I	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	66	1.1
S	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	92	1.5
T	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	90	1.5
O	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
R	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
I	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
C	Apr 2021	1028	2	11	728	12.2	102	163	448.04	581	167	2.8
A	May 2021	1055	1	13	746	12.1	107	168	448.51	590	145	2.4
L	Jun 2021	901	22	15	706	11.9	103	87	448.55	591	141	2.4
*	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	139	2.3
	Aug 2021	747	15	17	585	9.5	108	50	447.80	576	113	1.8
	Sep 2021	762	14	15	523	8.8	104	130	447.50	570	107	1.8
	WY 2021	9062	131	140	6398		1080	1466			1485	
	Oct 2021	709	21	12	461	7.5	108	144	447.50	571	66	1.1
	Nov 2021	544	18	9	357	6.0	100	92	447.50	570	94	1.6
	Dec 2021	380	20	7	242	3.9	103	62	446.50	552	84	1.4
	Jan 2022	443	17	6	302	4.9	106	41	446.50	552	138	2.2
	Feb 2022	613	7	8	397	7.2	96	113	446.50	552	124	2.2
	Mar 2022	855	7	9	613	10.0	106	121	446.70	555	147	2.4
	Apr 2022	952	11	11	700	11.8	87	117	448.70	593	147	2.5
	May 2022	922	9	13	682	11.1	98	126	448.70	593	110	1.8
	Jun 2022	874	6	16	688	11.6	96	68	448.70	593	116	2.0
	Jul 2022	797	15	17	663	10.8	98	35	448.00	580	123	2.0
	Aug 2022	739	15	17	602	9.8	98	35	447.50	571	101	1.6
	Sep 2022	713	14	15	510	8.6	96	95	447.50	570	99	1.7
	WY 2022	8541	161	139	6217		1191	1049			1349	
	Oct 2022	692	21	12	480	7.8	98	117	447.50	571	89	1.4
	Nov 2022	570	18	9	364	6.1	96	114	447.50	570	115	1.9
	Dec 2022	417	20	7	257	4.2	106	82	446.50	552	110	1.8
	Jan 2023	449	17	6	308	5.0	106	41	446.50	552	136	2.2
	Feb 2023	609	7	8	399	7.2	96	107	446.50	552	122	2.2
	Mar 2023	851	7	9	616	10.0	106	114	446.70	555	145	2.4
	Apr 2023	950	11	11	704	11.8	88	111	448.70	593	144	2.4
	May 2023	925	9	13	692	11.3	98	119	448.70	593	108	1.8
	Jun 2023	886	6	16	702	11.8	96	66	448.70	593	114	1.9
	Jul 2023	813	15	17	678	11.0	98	36	448.00	580	120	2.0

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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
*	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
H	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
WY 2020		8263							3256.3		
I	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
S	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
T	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
O	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
R	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
I	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
C	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
A	May 2021	1086	17.7	1073.50	9480	-473	423.99	1042.9	433.7	69	399.5
L	Jun 2021	956	16.1	1068.77	9102	-378	419.04	1451.0	366.8	100	383.7
*	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
	Aug 2021	752	12.2	1067.98	9040	26	415.31	1322.1	280.7	93	373.2
	Sep 2021	677	11.4	1067.15	8975	-65	416.79	1306.1	251.4	93	371.3
WY 2021		9443							3657.8		
	Oct 2021	605	9.8	1065.44	8841	-134	418.10	1278.1	224.9	91	372.1
	Nov 2021	629	10.6	1064.00	8730	-111	421.24	861.1	237.3	62	377.5
	Dec 2021	518	8.4	1065.26	8827	98	418.74	910.0	196.9	65	380.0
	Jan 2022	531	8.6	1068.34	9068	241	419.41	833.0	197.8	58	372.4
	Feb 2022	632	11.4	1069.03	9123	55	419.83	927.9	239.7	65	379.3
	Mar 2022	909	14.8	1066.46	8921	-202	416.33	1206.0	341.4	85	375.7
	Apr 2022	976	16.4	1062.15	8587	-334	412.84	1136.0	362.9	82	372.0
	May 2022	953	15.5	1057.45	8231	-356	408.49	1094.0	353.6	81	371.2
	Jun 2022	913	15.3	1053.12	7910	-320	402.05	1315.0	329.4	100	360.9
	Jul 2022	805	13.1	1051.15	7766	-144	399.26	1298.0	289.5	100	359.7
	Aug 2022	773	12.6	1050.87	7746	-21	398.47	1281.0	276.2	100	357.5
	Sep 2022	689	11.6	1049.24	7628	-118	398.17	1281.0	243.9	100	354.1
WY 2022		8930							3293.6		
	Oct 2022	535	8.7	1048.26	7558	-70	401.88	933.0	189.6	74	354.6
	Nov 2022	655	11.0	1046.44	7428	-130	401.47	1076.0	233.5	86	356.7
	Dec 2022	555	9.0	1047.31	7490	62	398.83	1097.0	195.5	87	352.0
	Jan 2023	538	8.7	1049.72	7663	173	399.55	1036.2	189.6	74	352.6
	Feb 2023	628	11.3	1049.85	7672	9	400.78	940.1	226.3	67	360.5
	Mar 2023	905	14.7	1046.68	7445	-227	398.60	963.2	327.3	70	361.8
	Apr 2023	973	16.4	1041.48	7080	-365	394.04	944.2	347.3	70	356.8
	May 2023	956	15.5	1035.68	6683	-397	388.74	903.8	338.2	69	353.8
	Jun 2023	925	15.5	1030.03	6307	-376	379.86	1284.4	312.5	100	337.9
	Jul 2023	821	13.4	1026.96	6107	-200	375.87	1267.1	275.5	100	335.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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
*	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
H	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
WY 2020		8063							1015.1		
I	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
S	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
T	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
O	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
R	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
I	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
C	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
A	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
L	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
*	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
	Aug 2021	747	12.2	642.25	1678	-29	140.07	255.0	94.3	100	126.2
	Sep 2021	762	12.8	638.00	1564	-114	137.17	255.0	94.1	100	123.6
WY 2021		9063							1141.3		
	Oct 2021	709	11.5	633.00	1434	-130	133.03	227.0	84.9	89	119.9
	Nov 2021	544	9.2	635.00	1486	51	132.50	159.8	65.0	63	119.4
	Dec 2021	380	6.2	639.51	1604	118	137.08	154.7	46.9	61	123.5
	Jan 2022	443	7.2	641.80	1666	62	140.01	156.3	55.9	61	126.1
	Feb 2022	613	11.0	641.80	1666	0	139.52	156.6	77.0	61	125.7
	Mar 2022	855	13.9	643.05	1700	34	139.07	194.1	107.1	76	125.3
	Apr 2022	952	16.0	643.00	1699	-2	138.93	249.9	119.2	98	125.2
	May 2022	922	15.0	643.00	1699	0	139.25	255.0	115.7	100	125.5
	Jun 2022	874	14.7	643.00	1699	0	139.36	255.0	109.8	100	125.6
	Jul 2022	797	13.0	642.00	1671	-27	139.49	255.0	100.1	100	125.7
	Aug 2022	739	12.0	642.00	1671	0	139.34	255.0	92.8	100	125.5
	Sep 2022	713	12.0	640.01	1617	-54	138.36	255.0	88.9	100	124.7
WY 2022		8541							1063.3		
	Oct 2022	692	11.3	633.00	1434	-183	134.14	227.0	83.6	89	120.9
	Nov 2022	570	9.6	635.00	1486	51	132.31	159.8	68.0	63	119.2
	Dec 2022	417	6.8	639.51	1604	118	136.80	154.7	51.4	61	123.2
	Jan 2023	449	7.3	641.80	1666	62	139.97	156.3	56.7	61	126.1
	Feb 2023	609	11.0	641.80	1666	0	139.55	156.6	76.5	61	125.7
	Mar 2023	851	13.8	643.05	1700	34	139.09	194.1	106.6	76	125.3
	Apr 2023	950	16.0	643.00	1699	-2	138.95	249.9	118.9	98	125.2
	May 2023	925	15.0	643.00	1699	0	139.24	255.0	116.1	100	125.4
	Jun 2023	886	14.9	643.00	1699	0	139.29	255.0	111.2	100	125.5
	Jul 2023	813	13.2	642.00	1671	-27	139.39	255.0	102.1	100	125.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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
*	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
H	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
	WY 2020	6041							416.0		
I	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
S	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
T	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
O	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
R	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
I	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
C	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
A	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
L	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
*	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
	Aug 2021	585	9.5	447.80	576	-8	75.39	120.0	38.3	100	65.6
	Sep 2021	523	8.8	447.50	570	-6	75.03	120.0	34.0	100	65.1
	WY 2021	6398							438.4		
	Oct 2021	461	7.5	447.50	571	0	76.14	92.9	30.3	77	65.8
	Nov 2021	357	6.0	447.50	570	0	76.19	92.0	23.2	77	65.0
	Dec 2021	242	3.9	446.50	552	-19	74.82	110.3	15.1	92	62.1
	Jan 2022	302	4.9	446.50	552	0	75.12	93.9	19.1	78	63.5
	Feb 2022	397	7.2	446.50	552	0	75.15	93.2	25.8	78	64.9
	Mar 2022	613	10.0	446.70	555	4	74.01	120.0	39.7	100	64.7
	Apr 2022	700	11.8	448.70	593	38	75.08	120.0	46.1	100	65.8
	May 2022	682	11.1	448.70	593	0	76.05	120.0	45.3	100	66.4
	Jun 2022	688	11.6	448.70	593	0	76.05	120.0	45.7	100	66.5
	Jul 2022	663	10.8	448.00	580	-13	75.71	120.0	43.8	100	66.1
	Aug 2022	602	9.8	447.50	571	-10	75.13	120.0	39.4	100	65.5
	Sep 2022	510	8.6	447.50	570	0	74.89	120.0	33.2	100	65.0
	WY 2022	6217							406.6		
	Oct 2022	480	7.8	447.50	571	0	76.19	91.9	31.7	77	65.9
	Nov 2022	364	6.1	447.50	570	0	76.14	93.0	23.7	78	65.0
	Dec 2022	257	4.2	446.50	552	-19	74.77	111.3	16.0	93	62.4
	Jan 2023	308	5.0	446.50	552	0	75.12	93.9	19.6	78	63.6
	Feb 2023	399	7.2	446.50	552	0	75.10	94.3	25.9	79	64.9
	Mar 2023	616	10.0	446.70	555	4	74.01	120.0	39.8	100	64.7
	Apr 2023	704	11.8	448.70	593	38	75.08	120.0	46.3	100	65.8
	May 2023	692	11.3	448.70	593	0	76.05	120.0	46.0	100	66.5
	Jun 2023	702	11.8	448.70	593	0	76.05	120.0	46.7	100	66.5
	Jul 2023	678	11.0	448.00	580	-13	75.71	120.0	44.8	100	66.2

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 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
* Aug 2020		367	43	28	32	19	7
H Sep 2020		262	37	23	28	11	2
Summer 2020		1806	254	146	182	102	37
I Oct 2020		277	24	18	22	9	0
S Nov 2020		275	20	5	7	3	1
T Dec 2020		304	24	5	7	3	3
O Jan 2021		319	24	5	6	3	3
R Feb 2021		278	21	5	6	2	3
I Mar 2021		285	20	8	11	6	3
Winter 2021		1738	132	46	60	25	14
C Apr 2021		254	19	20	28	17	3
A May 2021		249	36	24	32	20	3
L Jun 2021		260	30	20	30	19	3
* Jul 2021		303	24	27	34	20	3
Aug 2021		300	32	25	35	17	3
Sep 2021		230	31	23	34	17	3
Summer 2021		1596	172	140	192	109	17
Oct 2021		177	25	18	27	14	2
Nov 2021		183	17	4	7	4	3
Dec 2021		217	16	4	7	4	3
Jan 2022		258	16	4	7	4	2
Feb 2022		225	15	4	6	3	2
Mar 2022		233	16	5	8	5	2
Winter 2022		1294	106	39	62	33	13
Apr 2022		205	16	11	19	10	2
May 2022		205	16	22	37	20	2
Jun 2022		217	33	16	26	14	2
Jul 2022		245	17	20	30	15	2
Aug 2022		256	19	20	30	15	2
Sep 2022		190	18	18	28	14	2
Summer 2022		1318	120	106	170	88	12
Oct 2022		159	16	16	26	13	2
Nov 2022		164	16	3	6	4	4
Dec 2022		193	16	4	6	4	4
Jan 2023		214	16	4	6	4	4
Feb 2023		103	15	3	6	3	3
Mar 2023		0	16	4	7	5	3
Winter 2023		833	79	30	51	28	17
Apr 2023		0	16	10	18	10	3
May 2023		177	26	42	71	23	4
Jun 2023		190	31	31	51	22	4
Jul 2023		218	19	19	29	15	5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2021 24-Month Study

Minimum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Total	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2021	749	479	632	16456	18315	18606	36921	749	479	632	1859	16456	18606	36921	1500	752	0	23.5
Sep 2021	827	529	693	16874	18923	18580	37503	827	529	693	2049	16874	18580	37503	2270	677	0	22.9
Oct 2021	905	586	729	17135	19355	18645	38000	905	586	729	2220	17135	18645	38000	3040	605	0	22.4
Nov 2021	955	632	745	17247	19578	18779	38358	955	632	745	2331	17247	18779	38358	3810	629	0	22.1
Dec 2021	979	628	766	17449	19822	18890	38712	979	628	766	2372	17449	18890	38712	4580	518	0	21.9
Jan 2022	1,009	627	788	17778	20202	18793	38994	1009	627	788	2424	17778	18793	38994	5350	531	0	21.7
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2022	1,009	627	788	17778	20202	18793	38994	148	30	144	322	17778	18793	36893	5350	531	0	21.7
Feb 2022	1,034	627	802	18227	20690	18552	39242	172	31	158	360	18227	18552	37139	1500	632	0	21.4
Mar 2022	1,053	627	807	18587	21073	18497	39570	188	31	162	381	18587	18497	37465	1500	909	0	20.9
Apr 2022	1,044	623	792	18911	21369	18699	40069	175	28	141	344	18911	18699	37954	1500	976	0	20.5
May 2022	1,027	627	784	19085	21522	19033	40555	152	32	110	294	19085	19033	38412	1500	953	0	20.5
Jun 2022	963	623	737	18869	21191	19389	40580	79	20	25	125	18869	19389	38383	1500	913	0	20.5
Jul 2022	914	574	742	18598	20828	19710	40538	20	-38	-24	-43	18598	19710	38265	1500	805	0	19.9
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2022	908	599	825	18948	21280	19854	41134	908	599	825	2332	18948	19854	41134	1500	773	0	19.3
Sep 2022	945	634	896	19373	21848	19874	41722	945	634	896	2474	19373	19874	41722	2270	689	0	18.7
Oct 2022	986	676	939	19619	22220	19992	42212	986	676	939	2601	19619	19992	42212	3040	535	0	18.2
Nov 2022	1,010	715	956	19748	22429	20062	42491	1010	715	956	2681	19748	20062	42491	3810	655	0	18.0
Dec 2022	1,023	704	958	19889	22574	20192	42766	1023	704	958	2685	19889	20192	42766	4580	555	0	17.9
Jan 2023	1,046	693	959	20142	22840	20130	42970	1046	693	959	2698	20142	20130	42970	5350	538	0	17.8
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2023	1,046	693	959	20142	22840	20130	42970	334	50	341	726	20142	20130	40998	5350	538	0	17.8
Feb 2023	1,062	684	963	20458	23166	19957	43123	348	43	345	735	20458	19957	41150	1500	628	0	17.6
Mar 2023	1,070	675	956	20678	23378	19948	43326	352	35	337	724	20678	19948	41350	1500	905	0	17.4
Apr 2023	1,037	658	915	20821	23431	20175	43605	315	18	290	622	20821	20175	41618	1500	973	0	17.2
May 2023	994	635	869	20797	23294	20540	43834	264	-4	221	482	20797	20540	41818	1500	956	0	17.7
Jun 2023	911	675	774	20050	22411	20937	43348	172	29	89	290	20050	20937	41278	1500	925	0	18.3
Jul 2023	793	639	741	19277	21451	21313	42763	42	-17	2	27	19277	21313	40617	1500	821	0	17.7

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