

To: All Annual Operating Plan Recipients

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In addition to the July 2021 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 model runs in July to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. Normally, outside of the DROA, Probable Minimum and Probable Maximum model runs are only 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 the following links:

Lake Powell: <https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.png>.

Lake Mead: <https://www.usbr.gov/lc/region/g4000/24mo/2021/July-Chart.pdf>.

The water year 2021 unregulated inflow into Lake Powell in the July Probable Minimum inflow scenario is 3.23 maf, or 30 percent of average. Consistent with the Interim Guidelines, the July Probable Minimum 24-Month Study results in a projected release volume 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 3,535.34 feet on December 31, 2021. With intervening flows between Lake Powell and Lake Mead of 0.591 maf in calendar year 2021, Lake Mead's elevation is projected to be 1,064.05 feet on December 31, 2021.

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_07_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	145	3	99	23	121	6504.12	330
H	Aug 2020	41	2	74	0	74	6499.62	295
I	Sep 2020	25	2	26	35	61	6494.55	258
	WY 2020	996	15	856	137	993		
S	Oct 2020	32	1	0	55	55	6490.95	225
T	Nov 2020	33	1	17	35	52	6487.89	205
O	Dec 2020	27	1	50	1	51	6483.85	180
R	Jan 2021	25	1	48	2	51	6479.03	153
I	Feb 2021	24	0	46	0	46	6474.49	132
C	Mar 2021	40	0	51	0	51	6472.03	121
A	Apr 2021	54	1	49	0	49	6473.03	125
L	May 2021	76	1	49	0	49	6478.67	152
*	Jun 2021	143	2	42	0	42	6494.76	251
	Jul 2021	34	2	34	0	34	6494.39	257
	Aug 2021	25	2	34	0	34	6492.84	246
	Sep 2021	25	2	36	0	36	6491.04	234
	WY 2021	538	14	455	94	549		
	Oct 2021	28	1	24	19	43	6488.66	218
	Nov 2021	30	1	46	0	46	6486.12	202
	Dec 2021	24	1	47	0	47	6482.19	178
	Jan 2022	22	1	47	0	47	6477.48	153
	Feb 2022	21	0	42	0	42	6472.79	131
	Mar 2022	37	0	45	0	45	6471.03	123
	Apr 2022	52	1	36	0	36	6474.48	138
	May 2022	95	1	41	0	41	6484.22	190
	Jun 2022	144	2	42	0	42	6498.96	290
	Jul 2022	75	3	43	0	43	6502.75	319
	Aug 2022	36	2	43	0	43	6501.58	310
	Sep 2022	26	2	37	22	60	6496.90	275
	WY 2022	590	15	493	41	534		
	Oct 2022	32	1	61	0	61	6492.52	244
	Nov 2022	37	1	60	0	60	6489.13	221
	Dec 2022	33	1	61	0	61	6484.50	192
	Jan 2023	31	1	61	0	61	6479.03	161
	Feb 2023	29	0	56	0	56	6473.43	133
	Mar 2023	53	0	66	0	66	6470.46	120
	Apr 2023	82	1	77	0	77	6471.57	125
	May 2023	169	1	89	0	89	6486.31	203
	Jun 2023	278	2	104	81	184	6499.54	295

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
H	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
I	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	WY 2020	1255	1251	80	1333	62	1395				2825
S	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
T	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
O	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
R	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
I	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
C	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
A	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
L	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
*	Jun 2021	149	46	10	80	0	80	125	6023.54	3107	205
	Jul 2021	35	35	13	65	0	65	123	6022.40	3065	78
	Aug 2021	25	34	12	95	0	95	121	6020.42	2995	101
	Sep 2021	25	36	10	93	0	93	118	6018.59	2930	98
	WY 2021	617	632	77	829	0	830				1409
	Oct 2021	35	49	7	76	0	76	117	6017.67	2898	95
	Nov 2021	36	52	3	51	0	51	117	6017.61	2896	75
	Dec 2021	25	48	2	50	0	50	117	6017.53	2893	70
	Jan 2022	31	56	2	50	0	50	117	6017.64	2897	70
	Feb 2022	34	56	2	45	0	45	117	6017.90	2906	65
	Mar 2022	75	82	3	50	0	50	118	6018.72	2934	104
	Apr 2022	85	68	5	48	0	48	119	6019.14	2949	181
	May 2022	148	94	7	50	0	50	120	6020.16	2985	370
	Jun 2022	191	89	10	122	0	122	119	6018.99	2944	321
	Jul 2022	85	53	12	54	0	54	118	6018.62	2931	75
	Aug 2022	41	47	12	72	0	72	117	6017.62	2896	83
	Sep 2022	30	63	10	71	0	71	116	6017.11	2879	80
	WY 2022	815	759	73	739	0	739				1589
	Oct 2022	38	68	7	51	0	51	116	6017.40	2889	72
	Nov 2022	44	66	3	48	0	48	117	6017.83	2904	76
	Dec 2022	33	62	2	49	0	49	117	6018.14	2914	76
	Jan 2023	40	70	2	49	0	49	118	6018.68	2933	76
	Feb 2023	44	71	2	44	0	44	119	6019.35	2957	69
	Mar 2023	95	108	3	49	0	49	121	6020.86	3010	128
	Apr 2023	125	120	5	48	0	48	124	6022.67	3075	255
	May 2023	246	167	7	103	0	103	126	6024.16	3129	618
	Jun 2023	360	266	10	180	0	180	129	6026.14	3203	578

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	8	17	9317.91	83
H	Aug 2020	4	14	9311.83	73
I	Sep 2020	5	9	9309.62	69
WY 2020		101	113		
S	Oct 2020	4	5	9308.95	68
T	Nov 2020	4	5	9308.44	67
O	Dec 2020	4	5	9307.73	66
R	Jan 2021	4	5	9306.89	65
I	Feb 2021	3	5	9305.99	64
C	Mar 2021	4	5	9304.90	62
A	Apr 2021	7	5	9305.94	64
L	May 2021	16	10	9310.13	70
*	Jun 2021	24	16	9314.84	78
	Jul 2021	9	18	9309.41	69
	Aug 2021	6	15	9303.44	60
	Sep 2021	4	12	9297.60	52
WY 2021		89	106		
	Oct 2021	5	6	9296.83	51
	Nov 2021	4	4	9296.74	51
	Dec 2021	4	4	9296.38	50
	Jan 2022	3	4	9295.88	50
	Feb 2022	3	4	9295.24	49
	Mar 2022	4	4	9294.94	49
	Apr 2022	7	6	9295.40	49
	May 2022	19	12	9300.61	56
	Jun 2022	26	15	9308.20	67
	Jul 2022	9	21	9300.18	55
	Aug 2022	6	18	9290.72	44
	Sep 2022	5	15	9281.26	34
WY 2022		95	113		
	Oct 2022	6	6	9280.76	34
	Nov 2022	5	5	9280.41	33
	Dec 2022	5	5	9279.85	33
	Jan 2023	4	5	9278.82	32
	Feb 2023	4	5	9277.78	31
	Mar 2023	5	5	9276.95	30
	Apr 2023	9	9	9276.95	30
	May 2023	27	15	9289.35	42
	Jun 2023	42	21	9305.65	63

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	46	55	1	92	1	92	7486.61	555
H	Aug 2020	26	36	1	95	0	95	7478.53	495
I	Sep 2020	23	26	1	80	2	82	7470.42	439
	WY 2020	607	619	8	806	26	908		
S	Oct 2020	20	22	0	66	0	66	7463.47	389
T	Nov 2020	25	25	0	18	0	18	7464.59	396
O	Dec 2020	21	22	0	21	0	21	7464.73	397
R	Jan 2021	22	23	0	19	0	19	7465.24	400
I	Feb 2021	20	22	0	21	0	21	7465.37	401
C	Mar 2021	29	30	0	32	0	32	7465.07	399
A	Apr 2021	47	46	1	79	0	79	7459.68	365
L	May 2021	90	83	1	96	2	98	7457.14	350
*	Jun 2021	127	119	1	77	0	77	7463.84	391
	Jul 2021	41	50	1	96	0	96	7456.09	344
	Aug 2021	32	41	1	95	0	95	7446.18	289
	Sep 2021	26	34	1	92	0	92	7434.16	230
	WY 2021	499	517	6	713	2	715		
	Oct 2021	29	30	0	74	0	74	7423.95	185
	Nov 2021	26	26	0	15	0	15	7426.56	196
	Dec 2021	22	23	0	16	0	16	7428.15	203
	Jan 2022	22	22	0	16	0	16	7429.44	209
	Feb 2022	20	20	0	14	0	14	7430.83	215
	Mar 2022	31	31	0	18	0	18	7433.65	227
	Apr 2022	56	56	0	42	0	42	7436.45	240
	May 2022	132	125	1	67	0	67	7447.93	298
	Jun 2022	160	149	1	58	0	58	7463.37	388
	Jul 2022	56	67	1	81	0	81	7461.05	374
	Aug 2022	40	52	1	81	0	81	7456.03	343
	Sep 2022	27	36	1	76	0	76	7448.94	304
	WY 2022	620	638	6	559	0	559		
	Oct 2022	31	31	0	71	0	71	7441.25	264
	Nov 2022	29	29	0	15	0	15	7444.18	278
	Dec 2022	27	27	0	15	0	15	7446.44	290
	Jan 2023	25	26	0	15	0	15	7448.36	300
	Feb 2023	23	24	0	14	0	14	7450.19	310
	Mar 2023	37	38	0	17	0	17	7453.96	332
	Apr 2023	78	78	1	38	0	38	7460.70	371
	May 2023	199	187	1	38	0	38	7482.34	519
	Jun 2023	262	241	1	178	0	178	7490.38	581

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	47	92	1	93	93	0	93	7152.06	111
H	Aug 2020	27	95	1	96	95	0	97	7151.26	110
I	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	WY 2020	632	908	25	933	917	0	933		
S	Oct 2020	21	66	1	67	66	0	66	7151.06	110
T	Nov 2020	27	18	2	20	23	0	23	7147.26	107
O	Dec 2020	24	21	3	24	23	0	23	7148.38	108
R	Jan 2021	23	19	1	21	23	0	23	7145.78	106
I	Feb 2021	21	21	1	22	21	0	21	7146.38	106
C	Mar 2021	30	32	1	33	35	0	35	7143.99	104
A	Apr 2021	49	79	1	81	82	0	82	7141.50	103
L	May 2021	93	98	4	102	91	0	91	7155.08	113
*	Jun 2021	132	77	4	81	85	0	85	7150.02	109
	Jul 2021	46	96	5	101	98	0	98	7153.73	112
	Aug 2021	33	95	1	96	96	0	96	7153.73	112
	Sep 2021	28	92	2	94	94	0	94	7153.73	112
	WY 2021	527	715	28	742	738	0	738		
	Oct 2021	31	74	2	76	76	0	76	7153.73	112
	Nov 2021	28	15	2	17	17	0	17	7153.73	112
	Dec 2021	24	16	2	18	18	0	18	7153.73	112
	Jan 2022	23	16	2	18	18	0	18	7153.73	112
	Feb 2022	22	14	2	16	16	0	16	7153.73	112
	Mar 2022	34	18	3	21	21	0	21	7153.73	112
	Apr 2022	65	42	8	51	50	0	50	7153.73	112
	May 2022	146	67	14	81	81	0	81	7153.73	112
	Jun 2022	170	58	10	68	67	0	67	7153.72	112
	Jul 2022	58	81	2	83	83	0	83	7153.73	112
	Aug 2022	42	81	2	83	83	0	83	7153.73	112
	Sep 2022	29	76	2	77	77	0	77	7153.73	112
	WY 2022	670	559	50	609	608	0	608		
	Oct 2022	33	71	2	73	73	0	73	7153.73	112
	Nov 2022	31	15	2	16	16	0	16	7153.73	112
	Dec 2022	28	15	2	17	17	0	17	7153.73	112
	Jan 2023	27	15	2	18	18	0	18	7153.73	112
	Feb 2023	25	14	2	16	16	0	16	7153.73	112
	Mar 2023	41	17	4	20	20	0	20	7153.73	112
	Apr 2023	89	38	11	48	48	0	48	7153.73	112
	May 2023	220	38	21	59	59	0	59	7153.73	112
	Jun 2023	280	178	18	196	196	0	196	7153.72	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
H	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
I	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
S	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
T	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
O	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
R	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
I	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
C	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
A	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	36
L	May 2021	103	91	10	101	100	1	100	6753.35	17	64	37
*	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
	Jul 2021	48	98	2	100	99	0	99	6753.04	17	65	34
	Aug 2021	37	96	4	100	100	0	100	6753.04	17	65	35
	Sep 2021	32	94	4	98	98	0	98	6753.04	17	55	43
WY 2021		573	738	46	784	762	21	783			417	364
	Oct 2021	36	76	5	82	82	0	82	6753.04	17	30	52
	Nov 2021	32	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2021	28	18	4	22	22	0	22	6753.04	17	0	22
	Jan 2022	27	18	3	22	22	0	22	6753.04	17	0	22
	Feb 2022	25	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2022	39	21	5	26	26	0	26	6753.04	17	5	21
	Apr 2022	74	50	9	60	60	0	60	6753.04	17	42	18
	May 2022	164	81	18	99	99	0	99	6753.04	17	62	37
	Jun 2022	187	67	18	85	85	0	85	6753.03	17	61	24
	Jul 2022	63	83	5	88	88	0	88	6753.04	17	65	23
	Aug 2022	47	83	5	88	88	0	88	6753.04	17	65	23
	Sep 2022	33	77	5	82	82	0	82	6753.04	17	55	27
WY 2022		755	608	85	693	692	0	692			385	307
	Oct 2022	38	73	5	78	78	0	78	6753.04	17	55	23
	Nov 2022	36	16	4	21	21	0	21	6753.04	17	0	21
	Dec 2022	33	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2023	31	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2023	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2023	47	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2023	100	48	12	60	60	0	60	6753.04	17	42	18
	May 2023	247	59	27	86	86	0	86	6753.04	17	62	24
	Jun 2023	311	196	32	227	130	98	227	6753.03	17	61	166

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2021 24-Month Study

Minimum Probable Inflow*

Vallecito Reservoir



— BUREAU OF —
RECLAMATION

	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Jul 2020	11	38	7649.57	86
H Aug 2020	5	36	7635.21	54
I Sep 2020	4	28	7620.77	30
WY 2020	167	213		
S Oct 2020	3	2	7620.99	30
T Nov 2020	3	0	7623.08	33
O Dec 2020	3	0	7624.62	36
R Jan 2021	3	0	7626.24	38
I Feb 2021	3	0	7627.63	41
C Mar 2021	4	0	7629.73	44
A Apr 2021	14	1	7636.28	57
L May 2021	50	30	7645.56	77
* Jun 2021	44	39	7647.63	81
Jul 2021	12	39	7635.13	55
Aug 2021	11	36	7619.78	29
Sep 2021	12	29	7604.04	12
WY 2021	162	177		
Oct 2021	9	16	7592.88	5
Nov 2021	6	2	7599.12	9
Dec 2021	5	2	7603.74	12
Jan 2022	4	2	7606.62	14
Feb 2022	4	2	7609.13	17
Mar 2022	6	2	7613.32	21
Apr 2022	15	2	7623.58	34
May 2022	47	25	7636.16	57
Jun 2022	38	33	7638.17	61
Jul 2022	12	33	7627.14	40
Aug 2022	11	30	7613.30	21
Sep 2022	11	24	7598.93	9
WY 2022	170	172		
Oct 2022	10	13	7594.02	6
Nov 2022	8	2	7601.89	11
Dec 2022	7	2	7607.96	16
Jan 2023	6	2	7611.80	20
Feb 2023	5	2	7614.93	23
Mar 2023	9	2	7620.75	30
Apr 2023	23	2	7633.42	51
May 2023	69	31	7650.64	89
Jun 2023	68	43	7660.31	113

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2021 24-Month Study

Minimum Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

	Mod Unreg	Azotea	Reg	Evap	NIIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Jul 2020	3	1	29	4	47	47	6054.99	1285	58
H Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
I Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
WY 2020	431	48	429	27	230	411			671
S Oct 2020	6	0	6	1	9	42	6039.09	1103	42
T Nov 2020	17	0	14	1	0	22	6038.29	1094	37
O Dec 2020	10	0	7	1	0	22	6036.88	1079	33
R Jan 2021	12	0	10	1	0	24	6035.47	1065	33
I Feb 2021	13	0	11	1	1	22	6034.25	1052	32
C Mar 2021	23	1	19	1	4	24	6033.31	1042	32
A Apr 2021	82	13	57	2	20	32	6033.54	1045	31
L May 2021	169	25	125	3	34	27	6039.27	1105	65
* Jun 2021	103	18	78	4	44	21	6040.14	1114	89
Jul 2021	10	0	37	4	56	49	6033.34	1043	73
Aug 2021	17	0	42	3	47	48	6027.79	986	65
Sep 2021	25	0	41	2	26	39	6025.13	961	56
WY 2021	488	58	445	22	241	371			589
Oct 2021	26	0	33	1	9	31	6024.29	952	45
Nov 2021	25	0	21	1	0	34	6022.91	939	45
Dec 2021	20	0	17	0	0	32	6021.28	924	42
Jan 2022	18	0	16	0	0	23	6020.49	916	33
Feb 2022	24	0	21	1	0	19	6020.69	918	27
Mar 2022	70	5	60	1	5	20	6024.25	952	33
Apr 2022	104	11	80	2	21	22	6027.89	987	51
May 2022	188	23	142	3	35	15	6036.58	1076	99
Jun 2022	121	13	103	4	51	22	6039.03	1102	103
Jul 2022	18	0	37	4	56	51	6032.05	1029	79
Aug 2022	16	0	34	3	47	46	6025.81	967	65
Sep 2022	21	0	33	2	26	40	6022.25	933	57
WY 2022	650	53	598	22	250	354			679
Oct 2022	28	0	31	1	9	29	6021.35	924	45
Nov 2022	29	0	24	1	0	20	6021.64	927	36
Dec 2022	25	0	20	0	0	16	6021.99	930	32
Jan 2023	22	0	18	0	0	19	6021.81	929	33
Feb 2023	30	0	26	1	0	14	6022.96	940	27
Mar 2023	96	9	79	1	5	16	6028.83	997	39
Apr 2023	152	18	113	2	21	17	6035.98	1070	67
May 2023	266	35	193	3	35	15	6048.64	1210	156
Jun 2023	212	27	160	4	51	15	6056.18	1300	167

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
H	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
I	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	WY 2020	5848	6543	372	8230	0	8230				8425
S	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
T	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
O	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
R	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
I	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
C	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	698
A	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	635
L	May 2021	543	495	20	624	0	624	3560.57	4723	8366	650
*	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	678
	Jul 2021	104	281	36	767	0	767	3553.58	4681	7844	774
	Aug 2021	90	302	34	801	0	801	3546.69	4642	7350	819
	Sep 2021	175	349	30	623	0	623	3542.62	4619	7069	639
	WY 2021	3227	3860	276	8230	0	8230				8353
	Oct 2021	314	415	21	480	0	480	3541.46	4613	6990	489
	Nov 2021	363	376	20	500	0	500	3539.48	4602	6856	514
	Dec 2021	290	320	16	600	0	600	3535.34	4580	6582	613
	Jan 2022	280	298	4	723	0	723	3529.15	4548	6185	742
	Feb 2022	320	320	4	639	0	639	3524.33	4525	5886	656
	Mar 2022	500	423	7	675	0	675	3520.36	4505	5646	693
	Apr 2022	631	530	11	601	0	601	3519.08	4499	5570	618
	May 2022	1356	1079	14	599	0	599	3526.21	4534	6001	607
	Jun 2022	1442	1237	24	628	0	628	3534.74	4577	6543	632
	Jul 2022	327	411	29	709	0	709	3530.03	4553	6240	718
	Aug 2022	222	373	28	758	0	758	3523.87	4522	5857	775
	Sep 2022	254	388	25	568	0	568	3520.73	4507	5668	583
	WY 2022	6300	6169	203	7480	0	7480				7640
	Oct 2022	341	404	17	480	0	480	3519.28	4500	5581	492
	Nov 2022	425	406	17	500	0	500	3517.53	4492	5479	503
	Dec 2022	364	360	13	600	0	600	3513.48	4473	5244	603
	Jan 2023	355	352	3	763	0	763	3506.62	4443	4860	772
	Feb 2023	399	376	3	675	0	675	3501.42	4420	4580	686
	Mar 2023	653	520	6	700	0	700	3498.14	4406	4409	716
	Apr 2023	945	731	9	635	0	635	3499.68	4413	4489	653
	May 2023	2213	1729	12	633	0	633	3517.77	4493	5492	652
	Jun 2023	2595	2211	23	662	0	662	3540.21	4606	6905	681

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
H	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
I	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
	WY 2020	8230	863	553	8263		255	8267			
S	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
T	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
O	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
R	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
I	Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
C	Mar 2021	700	33	31	945	15.4	15	936	675	1084.39	10378
A	Apr 2021	628	36	38	1057	17.8	22	1056	647	1079.30	9953
L	May 2021	624	28	43	1086	17.7	28	1077	616	1073.50	9480
*	Jun 2021	651	-13	51	956	16.1	33	945	592	1068.77	9102
	Jul 2021	767	36	63	863	14.0	32	863	582	1066.92	8956
	Aug 2021	801	90	67	800	13.0	33	800	582	1066.82	8949
	Sep 2021	623	78	55	702	11.8	29	702	576	1065.80	8869
	WY 2021	8230	564	529	9517		250	9526			
	Oct 2021	480	43	40	576	9.4	23	576	569	1064.40	8761
	Nov 2021	500	69	39	641	10.8	11	641	562	1062.92	8646
	Dec 2021	600	64	34	531	8.6	5	531	568	1064.05	8733
	Jan 2022	723	95	28	537	8.7	11	537	582	1066.98	8961
	Feb 2022	639	83	26	641	11.5	9	641	585	1067.54	9005
	Mar 2022	675	86	29	923	15.0	15	923	573	1065.06	8811
	Apr 2022	601	83	35	991	16.7	17	991	551	1060.67	8474
	May 2022	599	41	40	971	15.8	21	971	527	1055.78	8106
	Jun 2022	628	20	47	929	15.6	29	929	505	1051.22	7771
	Jul 2022	709	43	58	819	13.3	33	819	495	1049.17	7623
	Aug 2022	758	84	61	788	12.8	34	788	493	1048.64	7585
	Sep 2022	568	71	50	703	11.8	31	703	484	1046.74	7449
	WY 2022	7480	783	487	9050		238	9050			
	Oct 2022	480	58	36	548	8.9	26	548	480	1045.79	7382
	Nov 2022	500	71	36	665	11.2	15	665	471	1043.86	7246
	Dec 2022	600	67	31	565	9.2	10	565	475	1044.67	7303
	Jan 2023	763	95	26	531	8.6	11	531	492	1048.51	7576
	Feb 2023	675	97	24	613	11.0	9	613	500	1050.16	7694
	Mar 2023	700	111	27	900	14.6	16	900	492	1048.44	7571
	Apr 2023	635	81	33	963	16.2	17	963	474	1044.51	7292
	May 2023	633	50	37	954	15.5	21	954	454	1040.08	6984
	Jun 2023	662	29	44	924	15.5	29	924	435	1035.87	6696

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
H	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
I	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
	WY 2020	8263	-50	198	8063	0	8063			
S	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
T	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
O	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
R	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
I	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
C	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
A	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
L	May 2021	1086	-10	22	1055	0	1055	17.2	642.32	1680
*	Jun 2021	956	-2	25	901	0	901	15.1	643.33	1708
	Jul 2021	863	-10	25	837	0	837	13.6	643.00	1699
	Aug 2021	800	-11	23	786	0	786	12.8	642.25	1678
	Sep 2021	702	-11	18	760	0	760	12.8	639.01	1591
	WY 2021	9517	-147	198	9106	0	9106			
	Oct 2021	576	-11	15	706	0	706	11.5	633.00	1434
	Nov 2021	641	-23	10	556	0	556	9.3	635.00	1486
	Dec 2021	531	-11	9	393	0	393	6.4	639.51	1604
	Jan 2022	537	-17	10	449	0	449	7.3	641.80	1666
	Feb 2022	641	-9	10	622	0	622	11.2	641.80	1666
	Mar 2022	923	-7	13	869	0	869	14.1	643.05	1700
	Apr 2022	991	-8	17	968	0	968	16.3	643.00	1699
	May 2022	971	-8	22	941	0	941	15.3	643.00	1699
	Jun 2022	929	-13	25	891	0	891	15.0	643.00	1699
	Jul 2022	819	-10	25	811	0	811	13.2	642.00	1671
	Aug 2022	788	-11	23	754	0	754	12.3	642.00	1671
	Sep 2022	703	-11	18	727	0	727	12.2	640.01	1617
	WY 2022	9050	-138	197	8687	0	8687			
	Oct 2022	548	-11	15	705	0	705	11.5	633.00	1434
	Nov 2022	665	-23	10	581	0	581	9.8	635.00	1486
	Dec 2022	565	-11	9	427	0	427	6.9	639.51	1604
	Jan 2023	531	-17	10	443	0	443	7.2	641.80	1666
	Feb 2023	613	-9	10	594	0	594	10.7	641.80	1666
	Mar 2023	900	-7	13	846	0	846	13.8	643.05	1700
	Apr 2023	963	-8	17	940	0	940	15.8	643.00	1699
	May 2023	954	-8	22	923	0	923	15.0	643.00	1699
	Jun 2023	924	-13	25	886	0	886	14.9	643.00	1699

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	151	2.4
H	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	127	2.1
I	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	
S	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	66	1.1
T	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	92	1.5
O	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	90	1.5
R	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
I	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
C	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
A	Apr 2021	1028	2	11	728	12.2	102	163	448.04	581	167	2.8
L	May 2021	1055	-2	13	746	12.1	107	168	448.51	590	145	2.4
*	Jun 2021	901	22	15	706	11.9	103	87	448.55	591	141	2.4
	Jul 2021	837	15	17	676	11.0	108	50	448.00	580	139	2.3
	Aug 2021	786	15	17	620	10.1	107	50	447.80	576	113	1.8
	Sep 2021	760	14	15	527	8.9	98	130	447.50	570	107	1.8
	WY 2021	9106	129	140	6445		1075	1465			1485	
	Oct 2021	706	21	12	465	7.6	102	144	447.50	571	66	1.1
	Nov 2021	556	18	9	354	5.9	108	99	447.50	570	94	1.6
	Dec 2021	393	20	7	239	3.9	111	70	446.50	552	84	1.4
	Jan 2022	449	17	6	302	4.9	106	47	446.50	552	138	2.2
	Feb 2022	622	7	8	398	7.2	96	121	446.50	552	124	2.2
	Mar 2022	869	7	9	619	10.1	106	129	446.70	555	147	2.4
	Apr 2022	968	11	11	707	11.9	87	125	448.70	593	147	2.5
	May 2022	941	9	13	692	11.3	98	135	448.70	593	110	1.8
	Jun 2022	891	6	16	697	11.7	96	75	448.70	593	116	2.0
	Jul 2022	811	15	17	672	10.9	98	40	448.00	580	123	2.0
	Aug 2022	754	15	17	611	9.9	98	40	447.50	571	101	1.6
	Sep 2022	727	14	15	517	8.7	96	103	447.50	570	99	1.7
	WY 2022	8687	161	139	6273		1203	1128			1349	
	Oct 2022	705	21	12	485	7.9	98	125	447.50	571	89	1.4
	Nov 2022	581	18	9	367	6.2	96	122	447.50	571	115	1.9
	Dec 2022	427	20	7	259	4.2	106	89	446.50	552	110	1.8
	Jan 2023	443	17	6	302	4.9	106	40	446.50	552	132	2.1
	Feb 2023	594	7	8	395	7.1	89	103	446.50	552	118	2.1
	Mar 2023	846	7	9	616	10.0	106	110	446.70	555	140	2.3
	Apr 2023	940	11	11	706	11.9	79	107	448.70	593	140	2.3
	May 2023	923	9	13	698	11.4	95	115	448.70	593	105	1.7
	Jun 2023	886	6	16	707	11.9	93	64	448.70	593	111	1.9

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
H	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
I	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
WY 2020		8263							3256.3		
S	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
T	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
O	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
R	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
I	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
C	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
A	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
L	May 2021	1086	17.7	1073.50	9480	-473	423.99	1042.9	433.7	69	399.5
*	Jun 2021	956	16.1	1068.77	9102	-378	419.04	1451.0	366.8	100	383.7
	Jul 2021	863	14.0	1066.92	8956	-146	414.37	1417.0	325.3	100	377.0
	Aug 2021	800	13.0	1066.82	8949	-8	413.76	1417.0	298.7	100	373.5
	Sep 2021	702	11.8	1065.80	8869	-80	414.50	1400.0	260.0	100	370.1
WY 2021		9517							3686.2		
	Oct 2021	576	9.4	1064.40	8761	-108	416.59	1278.1	212.3	91	368.6
	Nov 2021	641	10.8	1062.92	8646	-115	420.19	861.1	241.9	62	377.6
	Dec 2021	531	8.6	1064.05	8733	88	417.60	910.0	196.2	65	369.2
	Jan 2022	537	8.7	1066.98	8961	228	418.13	833.0	199.7	58	371.9
	Feb 2022	641	11.5	1067.54	9005	44	418.41	927.9	242.8	65	378.7
	Mar 2022	923	15.0	1065.06	8811	-193	414.89	1206.0	346.0	85	375.0
	Apr 2022	991	16.7	1060.67	8474	-338	411.41	1136.0	368.1	82	371.4
	May 2022	971	15.8	1055.78	8106	-368	406.93	1094.0	359.7	81	370.5
	Jun 2022	929	15.6	1051.22	7771	-335	400.28	1315.0	334.3	100	359.8
	Jul 2022	819	13.3	1049.17	7623	-148	397.34	1298.0	293.6	100	358.4
	Aug 2022	788	12.8	1048.64	7585	-38	396.38	1281.0	280.5	100	356.1
	Sep 2022	703	11.8	1046.74	7449	-136	395.83	1281.0	247.8	100	352.6
WY 2022		9050							3322.9		
	Oct 2022	548	8.9	1045.79	7382	-67	399.36	939.3	193.5	74	353.3
	Nov 2022	665	11.2	1043.86	7246	-136	399.13	1057.8	236.4	85	355.3
	Dec 2022	565	9.2	1044.67	7303	57	396.88	1102.4	198.6	81	351.5
	Jan 2023	531	8.6	1048.51	7576	273	397.64	1031.2	185.9	74	350.4
	Feb 2023	613	11.0	1050.16	7694	118	400.34	941.3	220.2	67	359.1
	Mar 2023	900	14.6	1048.44	7571	-124	399.62	970.2	326.5	70	362.6
	Apr 2023	963	16.2	1044.51	7292	-279	396.42	956.2	345.4	70	358.8
	May 2023	954	15.5	1040.08	6984	-308	392.43	920.9	341.2	69	357.8
	Jun 2023	924	15.5	1035.87	6696	-288	384.93	1317.4	317.5	100	343.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
H	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
I	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
WY 2020		8063							1015.1		
S	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
T	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
O	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
R	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
I	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
C	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
A	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
L	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
*	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
	Jul 2021	837	13.6	643.00	1699	-9	139.91	253.3	105.4	99	126.1
	Aug 2021	786	12.8	642.25	1678	-21	139.68	255.0	99.0	100	125.8
	Sep 2021	760	12.8	639.01	1591	-87	137.68	255.0	94.3	100	124.0
WY 2021		9106							1145.4		
	Oct 2021	706	11.5	633.00	1434	-156	133.55	227.0	85.0	89	120.3
	Nov 2021	556	9.3	635.00	1486	51	132.42	159.8	66.4	63	119.3
	Dec 2021	393	6.4	639.51	1604	118	136.98	154.7	48.5	61	123.4
	Jan 2022	449	7.3	641.80	1666	62	139.97	156.3	56.6	61	126.1
	Feb 2022	622	11.2	641.80	1666	0	139.46	156.6	78.2	61	125.6
	Mar 2022	869	14.1	643.05	1700	34	138.99	194.1	108.8	76	125.2
	Apr 2022	968	16.3	643.00	1699	-2	138.85	249.9	121.1	98	125.1
	May 2022	941	15.3	643.00	1699	0	139.15	255.0	117.9	100	125.4
	Jun 2022	891	15.0	643.00	1699	0	139.26	255.0	111.7	100	125.5
	Jul 2022	811	13.2	642.00	1671	-27	139.40	255.0	101.9	100	125.6
	Aug 2022	754	12.3	642.00	1671	0	139.24	255.0	94.6	100	125.4
	Sep 2022	727	12.2	640.01	1617	-54	138.26	255.0	90.6	100	124.6
WY 2022		8687							1081.2		
	Oct 2022	705	11.5	633.00	1434	-183	134.06	227.0	85.1	89	120.8
	Nov 2022	581	9.8	635.00	1486	51	132.24	159.8	69.2	63	119.1
	Dec 2022	427	6.9	639.51	1604	118	136.73	154.7	52.6	61	123.2
	Jan 2023	443	7.2	641.80	1666	62	140.01	156.3	55.8	61	126.1
	Feb 2023	594	10.7	641.80	1666	0	139.66	156.6	74.8	61	125.8
	Mar 2023	846	13.8	643.05	1700	34	139.12	194.1	106.1	76	125.3
	Apr 2023	940	15.8	643.00	1699	-2	139.01	249.9	117.7	98	125.2
	May 2023	923	15.0	643.00	1699	0	139.25	255.0	115.8	100	125.5
	Jun 2023	886	14.9	643.00	1699	0	139.29	255.0	111.2	100	125.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
H	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
I	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
WY 2020		6041							416.0		
S	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
T	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
O	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
R	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
I	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
C	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
A	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
L	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
*	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
	Jul 2021	676	11.0	448.00	580	-11	75.64	120.0	44.7	100	66.1
	Aug 2021	620	10.1	447.80	576	-4	75.27	120.0	40.7	100	65.6
	Sep 2021	527	8.9	447.50	570	-6	75.03	120.0	34.4	100	65.2
WY 2021		6445							439.1		
	Oct 2021	465	7.6	447.50	571	0	76.14	92.9	30.6	77	65.8
	Nov 2021	354	5.9	447.50	570	0	76.19	92.0	23.0	77	65.0
	Dec 2021	239	3.9	446.50	552	-19	74.82	110.3	14.8	92	62.0
	Jan 2022	302	4.9	446.50	552	0	75.12	93.9	19.1	78	63.5
	Feb 2022	398	7.2	446.50	552	0	75.15	93.2	25.9	78	64.9
	Mar 2022	619	10.1	446.70	555	4	74.01	120.0	40.0	100	64.7
	Apr 2022	707	11.9	448.70	593	38	75.08	120.0	46.6	100	65.8
	May 2022	692	11.3	448.70	593	0	76.05	120.0	46.0	100	66.4
	Jun 2022	697	11.7	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jul 2022	672	10.9	448.00	580	-13	75.71	120.0	44.4	100	66.1
	Aug 2022	611	9.9	447.50	571	-10	75.13	120.0	40.0	100	65.5
	Sep 2022	517	8.7	447.50	570	0	74.89	120.0	33.6	100	65.0
WY 2022		6273							410.4		
	Oct 2022	485	7.9	447.50	571	0	76.19	91.9	32.0	77	66.0
	Nov 2022	367	6.2	447.50	571	0	76.14	93.0	23.9	78	65.1
	Dec 2022	259	4.2	446.50	552	-19	74.77	111.3	16.2	93	62.4
	Jan 2023	302	4.9	446.50	552	0	75.12	93.9	19.2	78	63.5
	Feb 2023	395	7.1	446.50	552	0	75.10	94.3	25.6	79	64.9
	Mar 2023	616	10.0	446.70	555	4	74.01	120.0	39.8	100	64.7
	Apr 2023	706	11.9	448.70	593	38	75.08	120.0	46.4	100	65.8
	May 2023	698	11.4	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jun 2023	707	11.9	448.70	593	0	76.05	120.0	47.0	100	66.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2020	335	35	27	32	18	9
H	Aug 2020	367	43	28	32	19	7
I	Sep 2020	262	37	23	28	11	2
	Summer 2020	1806	254	146	182	102	37
S	Oct 2020	277	24	18	22	9	0
T	Nov 2020	275	20	5	7	3	1
O	Dec 2020	304	24	5	7	3	3
R	Jan 2021	319	24	5	6	3	3
I	Feb 2021	278	21	5	6	2	3
C	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
A	Apr 2021	254	19	20	28	17	3
L	May 2021	249	36	24	32	20	3
*	Jun 2021	260	30	20	30	19	3
	Jul 2021	291	22	26	35	17	2
	Aug 2021	299	32	25	35	17	2
	Sep 2021	230	31	23	34	17	2
	Summer 2021	1583	170	139	194	107	16
	Oct 2021	176	25	18	28	14	2
	Nov 2021	183	17	4	6	4	3
	Dec 2021	217	17	4	6	4	3
	Jan 2022	259	17	4	7	4	3
	Feb 2022	226	15	3	6	3	2
	Mar 2022	235	17	4	8	5	2
	Winter 2022	1296	107	37	60	33	16
	Apr 2022	208	16	11	18	10	2
	May 2022	210	17	17	29	17	3
	Jun 2022	224	41	15	24	15	3
	Jul 2022	254	18	22	30	15	3
	Aug 2022	266	24	22	30	15	3
	Sep 2022	198	24	20	28	14	3
	Summer 2022	1359	139	107	159	87	17
	Oct 2022	166	17	18	26	14	4
	Nov 2022	172	16	4	6	4	4
	Dec 2022	205	16	4	6	4	4
	Jan 2023	257	16	4	6	4	4
	Feb 2023	224	15	4	6	3	3
	Mar 2023	230	16	4	7	5	4
	Winter 2023	1024	80	33	50	28	20
	Apr 2023	207	16	10	17	10	4
	May 2023	212	35	11	21	15	5
	Jun 2023	233	60	52	71	22	7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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 ****								**** EFFECTIVE SPACE ****										
Jul 2021	730	438	587	15994	17750	18518	36268	-30	-55	-13	-98	15994	18518	34414	1500	863	0	24.0
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2021	774	486	659	16478	18397	18664	37060	774	486	659	1919	16478	18664	37060	1500	800	0	23.3
Sep 2021	856	541	715	16972	19083	18671	37754	856	541	715	2111	16972	18671	37754	2270	702	0	22.6
Oct 2021	933	600	741	17253	19526	18751	38277	933	600	741	2273	17253	18751	38277	3040	576	0	22.2
Nov 2021	980	644	749	17332	19706	18859	38565	980	644	749	2374	17332	18859	38565	3810	641	0	22.0
Dec 2021	999	633	762	17466	19860	18974	38834	999	633	762	2394	17466	18974	38834	4580	531	0	21.8
Jan 2022	1,025	627	778	17740	20169	18887	39056	1025	627	778	2429	17740	18887	39056	5350	537	0	21.7
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2022	1,025	627	778	17740	20169	18887	39056	229	179	288	696	17740	18887	37323	5350	537	0	21.7
Feb 2022	1,047	621	785	18137	20590	18659	39249	248	174	295	717	18137	18659	37513	1500	641	0	21.5
Mar 2022	1,060	615	783	18436	20894	18615	39509	259	169	292	720	18436	18615	37771	1500	923	0	21.1
Apr 2022	1,040	602	749	18676	21067	18809	39876	234	156	252	642	18676	18809	38127	1500	991	0	20.8
May 2022	1,009	589	714	18752	21064	19146	40210	198	142	194	533	18752	19146	38432	1500	971	0	21.1
Jun 2022	921	531	625	18321	20398	19514	39912	100	77	67	244	18321	19514	38079	1500	929	0	21.5
Jul 2022	862	441	599	17779	19682	19849	39531	31	-25	-14	-8	17779	19849	37620	1500	819	0	21.0
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2022	846	456	672	18082	20056	19997	40053	846	456	672	1974	18082	19997	40053	1500	788	0	20.4
Sep 2022	890	486	734	18465	20575	20035	40611	890	486	734	2111	18465	20035	40611	2270	703	0	19.9
Oct 2022	943	526	768	18654	20892	20171	41062	943	526	768	2237	18654	20171	41062	3040	548	0	19.5
Nov 2022	964	566	777	18741	21047	20238	41285	964	566	777	2306	18741	20238	41285	3810	665	0	19.3
Dec 2022	972	551	774	18843	21140	20374	41515	972	551	774	2297	18843	20374	41515	4580	565	0	19.2
Jan 2023	990	539	771	19078	21378	20317	41696	990	539	771	2301	19078	20317	41696	5350	531	0	19.1
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	990	539	771	19078	21378	20317	41696	559	348	537	1444	19078	20317	40839	5350	531	0	19.1
Feb 2023	1,002	529	773	19462	21766	20044	41810	568	339	538	1445	19462	20044	40951	1500	613	0	19.0
Mar 2023	1,007	519	762	19742	22029	19926	41955	569	330	526	1425	19742	19926	41092	1500	900	0	18.9
Apr 2023	966	498	704	19913	22082	20049	42132	523	309	463	1295	19913	20049	41257	1500	963	0	18.9
May 2023	897	458	631	19833	21819	20328	42147	445	269	367	1081	19833	20328	41242	1500	954	0	20.0
Jun 2023	764	310	492	18830	20396	20636	41032	302	108	189	599	18830	20636	40065	1500	924	0	21.5

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