

To: All Annual Operating Plan (AOP) Recipients

From: Lower Colorado Basin Region
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In addition to the April 2021 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. 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 Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:
<https://www.usbr.gov/lc/region/g4000/24mo/2021/April-Chart.pdf>.

The water year 2021 unregulated inflow into Lake Powell in the April Probable Minimum inflow scenario is 3.33 maf, or 31 percent of average. Consistent with the Interim Guidelines, the April 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. With intervening flows between Lake Powell and Lake Mead of 0.64 maf in water year 2021, Lake Mead's elevation is projected to be 1,067.97 feet on September 30, 2021.

The 2021 AOP is available for download at:
<https://www.usbr.gov/lc/region/g4000/aop/AOP21.pdf>.

The Interim Guidelines are available for download at:
<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The Colorado River DCPs are available for download at:
<https://www.usbr.gov/lc/region/programs/dcp.html>.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	83	1	73	0	73	6475.89	145
H	May 2020	161	1	101	0	101	6486.37	203
I	Jun 2020	288	2	107	73	180	6501.43	309
S	Jul 2020	145	3	99	23	121	6504.12	330
T	Aug 2020	41	2	74	0	74	6499.62	295
O	Sep 2020	25	2	26	35	61	6494.55	258
	WY 2020	996	15	856	137	993		
R	Oct 2020	32	1	0	55	55	6490.95	225
I	Nov 2020	33	1	17	35	52	6487.89	205
C	Dec 2020	27	1	50	1	51	6483.85	180
A	Jan 2021	25	1	48	2	51	6479.03	153
L	Feb 2021	24	0	46	0	46	6474.49	132
*	Mar 2021	40	0	51	0	51	6472.03	121
	Apr 2021	29	1	40	0	40	6469.33	116
	May 2021	58	1	38	0	38	6473.65	134
	Jun 2021	96	2	37	0	37	6484.47	192
	Jul 2021	57	2	38	0	38	6487.05	208
	Aug 2021	36	2	38	0	38	6486.30	203
	Sep 2021	29	2	37	0	37	6484.73	193
	WY 2021	486	13	441	94	535		
	Oct 2021	37	1	30	8	38	6484.25	190
	Nov 2021	39	1	48	0	48	6482.66	181
	Dec 2021	31	1	49	0	49	6479.30	162
	Jan 2022	29	0	49	0	49	6475.14	142
	Feb 2022	27	0	44	0	44	6471.14	123
	Mar 2022	48	0	52	0	52	6470.07	119
	Apr 2022	67	1	60	0	60	6471.73	126
	May 2022	123	1	71	0	71	6481.88	177
	Jun 2022	187	2	71	0	71	6498.83	289
	Jul 2022	97	3	61	0	61	6503.08	322
	Aug 2022	47	2	61	0	61	6500.90	305
	Sep 2022	34	2	60	0	60	6497.25	278
	WY 2022	764	14	657	8	665		
	Oct 2022	37	1	61	0	61	6493.68	252
	Nov 2022	40	1	64	0	64	6490.11	228
	Dec 2022	33	1	66	0	66	6484.82	194
	Jan 2023	31	1	66	0	66	6478.52	158
	Feb 2023	29	0	60	0	60	6471.92	127
	Mar 2023	53	0	67	0	67	6468.65	113

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2021 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir



— BUREAU OF —
RECLAMATION

		Unreg Inflow	Reg Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Bank Storage	Reservoir Elev End of Month	Live Storage	Jensen Flow
	Date	(1000 Ac-Ft)	(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)
*	Apr 2020	111	104	5	112	0	112	129	6026.26	3207	308
H	May 2020	217	158	8	98	31	129	130	6026.81	3228	672
I	Jun 2020	342	236	10	157	31	188	131	6027.76	3263	530
S	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
T	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
O	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	WY 2020	1255	1251	80	1333	62	1395				2825
R	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
I	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
C	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
A	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
L	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
*	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
	Apr 2021	45	56	5	51	0	51	128	6025.22	3168	129
	May 2021	89	69	8	60	0	60	128	6025.24	3169	253
	Jun 2021	130	71	10	87	0	87	127	6024.54	3143	237
	Jul 2021	66	48	13	53	0	53	126	6024.08	3126	80
	Aug 2021	39	42	12	53	0	53	125	6023.48	3104	65
	Sep 2021	31	39	11	51	0	51	124	6022.87	3082	60
	WY 2021	616	667	78	705	0	706				1342
	Oct 2021	40	42	7	53	0	53	123	6022.40	3065	77
	Nov 2021	42	51	3	51	0	51	123	6022.31	3062	80
	Dec 2021	29	47	2	53	0	53	123	6022.12	3055	78
	Jan 2022	36	56	2	53	0	53	123	6022.16	3057	78
	Feb 2022	40	58	2	48	0	48	123	6022.37	3064	73
	Mar 2022	87	91	3	53	0	53	125	6023.30	3098	119
	Apr 2022	98	90	5	51	0	51	126	6024.21	3131	214
	May 2022	171	119	8	53	0	53	128	6025.75	3188	445
	Jun 2022	222	107	10	95	0	95	128	6025.81	3190	338
	Jul 2022	99	64	13	60	0	60	128	6025.57	3181	85
	Aug 2022	47	62	12	88	0	88	127	6024.58	3145	100
	Sep 2022	35	60	11	87	0	87	125	6023.57	3108	98
	WY 2022	946	847	77	744	0	744				1784
	Oct 2022	42	66	7	58	0	58	125	6023.61	3109	82
	Nov 2022	46	70	3	52	0	52	126	6024.00	3123	82
	Dec 2022	33	66	2	68	0	68	126	6023.92	3121	95
	Jan 2023	40	75	2	68	0	68	126	6024.07	3126	95
	Feb 2023	44	75	2	61	0	61	126	6024.38	3137	85
	Mar 2023	95	108	3	59	0	59	128	6025.58	3182	138

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	7	6	9311.67	73
H	May 2020	24	10	9319.44	86
I	Jun 2020	22	16	9322.93	92
S	Jul 2020	8	17	9317.91	83
T	Aug 2020	4	14	9311.83	73
O	Sep 2020	5	9	9309.62	69
	WY 2020	101	113		
R	Oct 2020	4	5	9308.95	68
I	Nov 2020	4	5	9308.44	67
C	Dec 2020	4	5	9307.73	66
A	Jan 2021	4	5	9306.89	65
L	Feb 2021	3	5	9305.99	64
*	Mar 2021	4	5	9304.90	62
	Apr 2021	5	4	9305.83	63
	May 2021	16	9	9310.41	71
	Jun 2021	25	15	9316.50	81
	Jul 2021	9	18	9311.37	72
	Aug 2021	6	15	9305.70	63
	Sep 2021	6	12	9301.30	57
	WY 2021	91	104		
	Oct 2021	6	6	9301.16	57
	Nov 2021	5	5	9300.79	56
	Dec 2021	4	5	9299.99	55
	Jan 2022	4	5	9299.02	54
	Feb 2022	4	5	9298.19	53
	Mar 2022	4	5	9297.43	52
	Apr 2022	8	6	9298.65	53
	May 2022	22	12	9305.61	63
	Jun 2022	30	18	9313.34	75
	Jul 2022	11	21	9306.94	65
	Aug 2022	7	18	9299.40	54
	Sep 2022	6	15	9292.39	46
	WY 2022	110	121		
	Oct 2022	6	6	9292.46	46
	Nov 2022	5	5	9292.41	46
	Dec 2022	5	5	9291.98	45
	Jan 2023	4	5	9291.20	44
	Feb 2023	4	5	9290.40	43
	Mar 2023	5	5	9289.77	43

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	50	49	1	73	0	73	7480.49	510
H	May 2020	153	140	1	82	17	99	7485.88	550
I	Jun 2020	139	131	1	83	3	85	7491.64	594
S	Jul 2020	46	55	1	92	1	92	7486.61	555
T	Aug 2020	26	36	1	95	0	95	7478.53	495
O	Sep 2020	23	26	1	80	2	82	7470.42	439
	WY 2020	607	619	8	806	26	908		
R	Oct 2020	20	22	0	66	0	66	7463.47	389
I	Nov 2020	25	25	0	18	0	18	7464.59	396
C	Dec 2020	21	22	0	21	0	21	7464.73	397
A	Jan 2021	22	23	0	19	0	19	7465.24	400
L	Feb 2021	20	22	0	21	0	21	7465.37	401
*	Mar 2021	29	30	0	32	0	32	7465.07	399
	Apr 2021	40	39	1	60	0	60	7461.71	378
	May 2021	103	96	1	58	0	58	7467.53	415
	Jun 2021	136	125	1	62	0	62	7476.56	477
	Jul 2021	51	60	1	83	0	83	7473.08	453
	Aug 2021	37	46	1	83	0	83	7467.47	415
	Sep 2021	28	34	1	77	0	77	7460.61	371
	WY 2021	531	544	7	600	0	600		
	Oct 2021	32	33	0	73	0	73	7453.72	330
	Nov 2021	29	30	0	18	0	18	7455.73	342
	Dec 2021	25	26	0	19	0	19	7456.97	349
	Jan 2022	24	25	0	19	0	19	7457.97	355
	Feb 2022	22	23	0	17	0	17	7459.00	361
	Mar 2022	34	35	0	21	0	21	7461.33	375
	Apr 2022	63	62	1	42	0	42	7464.42	395
	May 2022	148	138	1	66	0	66	7475.03	466
	Jun 2022	179	167	1	57	0	57	7489.57	574
	Jul 2022	62	72	1	81	0	81	7488.33	565
	Aug 2022	45	56	1	81	0	81	7484.86	538
	Sep 2022	30	39	1	75	0	75	7479.81	501
	WY 2022	694	705	7	568	0	568		
	Oct 2022	33	33	0	70	0	70	7474.50	463
	Nov 2022	30	30	0	14	0	14	7476.70	478
	Dec 2022	27	27	0	15	0	15	7478.33	490
	Jan 2023	25	26	0	15	0	15	7479.73	500
	Feb 2023	23	24	0	14	0	14	7481.08	510
	Mar 2023	37	38	0	17	0	17	7483.91	531

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	54	73	4	77	76	0	76	7147.10	107
H	May 2020	162	99	10	109	109	0	109	7146.72	107
I	Jun 2020	142	85	4	89	85	0	85	7152.13	111
S	Jul 2020	47	92	1	93	93	0	93	7152.06	111
T	Aug 2020	27	95	1	96	95	0	97	7151.26	110
O	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	WY 2020	632	908	25	933	917	0	933		
R	Oct 2020	21	66	1	67	66	0	66	7151.06	110
I	Nov 2020	27	18	2	20	23	0	23	7147.26	107
C	Dec 2020	24	21	3	24	23	0	23	7148.38	108
A	Jan 2021	23	19	1	21	23	0	23	7145.78	106
L	Feb 2021	21	21	1	22	21	0	21	7146.38	106
*	Mar 2021	30	32	1	33	35	0	35	7143.99	104
	Apr 2021	46	60	6	66	58	0	58	7153.73	112
	May 2021	115	58	12	69	69	0	69	7153.73	112
	Jun 2021	146	62	10	73	72	0	72	7153.72	112
	Jul 2021	53	83	2	85	85	0	85	7153.73	112
	Aug 2021	39	83	2	85	85	0	85	7153.73	112
	Sep 2021	30	77	2	79	79	0	79	7153.73	112
	WY 2021	575	600	43	643	640	0	640		
	Oct 2021	35	73	2	75	75	0	75	7153.73	112
	Nov 2021	31	18	2	20	20	0	20	7153.73	112
	Dec 2021	27	19	2	21	21	0	21	7153.73	112
	Jan 2022	26	19	2	21	21	0	21	7153.73	112
	Feb 2022	24	17	2	19	19	0	19	7153.73	112
	Mar 2022	38	21	3	24	24	0	24	7153.73	112
	Apr 2022	72	42	9	50	50	0	50	7153.73	112
	May 2022	163	66	15	81	80	0	80	7153.73	112
	Jun 2022	189	57	10	67	67	0	67	7153.72	112
	Jul 2022	64	81	2	83	82	0	82	7153.73	112
	Aug 2022	47	81	2	83	83	0	83	7153.73	112
	Sep 2022	32	75	2	77	77	0	77	7153.73	112
	WY 2022	746	568	52	620	619	0	619		
	Oct 2022	35	70	2	73	73	0	73	7153.73	112
	Nov 2022	32	14	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

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	59	76	5	81	81	0	81	6754.37	17	55	26
H	May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
I	Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
S	Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
T	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
O	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
R	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
I	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
C	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
A	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
L	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
*	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
	Apr 2021	52	58	6	64	63	0	63	6753.04	17	42	21
	May 2021	128	69	14	83	83	0	83	6753.04	17	62	21
	Jun 2021	162	72	16	89	88	0	88	6753.03	17	61	27
	Jul 2021	57	85	4	89	89	0	89	6753.04	17	65	24
	Aug 2021	43	85	4	89	89	0	89	6753.04	17	65	24
	Sep 2021	34	79	4	83	83	0	83	6753.04	17	55	28
	WY 2021	636	640	61	701	680	20	700			405	291
	Oct 2021	40	75	5	81	81	0	81	6753.04	17	30	51
	Nov 2021	35	20	4	24	24	0	24	6753.04	17	0	24
	Dec 2021	31	21	4	25	25	0	25	6753.04	17	0	25
	Jan 2022	29	21	4	25	25	0	25	6753.04	17	0	25
	Feb 2022	28	19	3	22	22	0	22	6753.04	17	0	22
	Mar 2022	43	24	6	29	29	0	29	6753.04	17	5	24
	Apr 2022	82	50	10	60	60	0	60	6753.04	17	42	18
	May 2022	181	80	18	99	99	0	99	6753.04	17	62	37
	Jun 2022	207	67	18	85	85	0	85	6753.03	17	61	24
	Jul 2022	70	82	6	88	88	0	88	6753.04	17	65	23
	Aug 2022	52	83	5	88	88	0	88	6753.04	17	65	23
	Sep 2022	37	77	5	82	82	0	82	6753.04	17	55	27
	WY 2022	833	619	88	707	706	0	706			385	321
	Oct 2022	41	73	6	78	78	0	78	6753.04	17	55	23
	Nov 2022	37	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

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	16	4	7653.32	95
H	May 2020	66	37	7664.35	124
I	Jun 2020	38	48	7660.61	114
S	Jul 2020	11	38	7649.57	86
T	Aug 2020	5	36	7635.21	54
O	Sep 2020	4	28	7620.77	30
	WY 2020	167	213		
R	Oct 2020	3	2	7620.99	30
I	Nov 2020	3	0	7623.08	33
C	Dec 2020	3	0	7624.62	36
A	Jan 2021	3	0	7626.24	38
L	Feb 2021	3	0	7627.63	41
*	Mar 2021	4	0	7629.73	44
	Apr 2021	8	0	7633.77	52
	May 2021	26	21	7636.23	57
	Jun 2021	25	29	7633.98	52
	Jul 2021	9	28	7622.41	33
	Aug 2021	9	26	7607.61	15
	Sep 2021	12	20	7595.55	6
	WY 2021	107	129		
	Oct 2021	11	11	7595.61	6
	Nov 2021	8	2	7603.34	12
	Dec 2021	7	2	7608.70	16
	Jan 2022	5	2	7612.08	20
	Feb 2022	5	2	7615.02	23
	Mar 2022	8	2	7619.71	29
	Apr 2022	19	2	7630.50	46
	May 2022	58	31	7643.94	73
	Jun 2022	47	42	7645.92	78
	Jul 2022	15	41	7633.58	52
	Aug 2022	14	38	7618.69	28
	Sep 2022	14	30	7603.23	12
	WY 2022	211	203		
	Oct 2022	11	16	7596.09	7
	Nov 2022	8	2	7604.09	12
	Dec 2022	7	2	7609.73	17
	Jan 2023	6	2	7613.36	21
	Feb 2023	5	2	7616.36	25
	Mar 2023	9	2	7621.95	32

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2021 24-Month Study

Minimum Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

		Mod Unreg Inflow	Azotea Tunnel Div	Reg Inflow	Evap Losses	NIIP Diversion	Total Release	Reservoir Elev End of Month	Live Storage	Farmington 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)
*	Apr 2020	80	11	60	2	25	29	6055.92	1297	37
H	May 2020	199	27	142	4	37	32	6061.48	1367	122
I	Jun 2020	65	8	64	4	41	31	6060.49	1354	96
S	Jul 2020	3	1	29	4	47	47	6054.99	1285	58
T	Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
O	Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
	WY 2020	431	48	429	27	230	411			671
R	Oct 2020	6	0	6	1	9	42	6039.09	1103	42
I	Nov 2020	17	0	14	1	0	22	6038.29	1094	37
C	Dec 2020	10	0	7	1	0	22	6036.88	1079	33
A	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
L	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
*	Mar 2021	25	1	20	1	4	25	6033.31	1042	32
	Apr 2021	65	5	53	2	21	31	6033.23	1041	48
	May 2021	117	12	99	3	35	38	6035.43	1064	88
	Jun 2021	71	6	69	3	51	45	6032.41	1033	99
	Jul 2021	17	0	36	3	56	59	6024.10	951	78
	Aug 2021	13	0	30	3	47	48	6016.93	884	65
	Sep 2021	22	0	31	2	26	37	6013.23	850	57
	WY 2021	389	25	387	22	249	415			645
	Oct 2021	28	0	28	1	9	26	6012.25	842	46
	Nov 2021	27	0	21	1	0	19	6012.45	843	35
	Dec 2021	22	0	17	0	0	17	6012.39	843	32
	Jan 2022	20	0	16	0	0	19	6011.97	839	33
	Feb 2022	26	0	22	1	0	14	6012.76	846	26
	Mar 2022	75	6	63	1	5	15	6017.32	887	34
	Apr 2022	112	12	83	2	21	15	6022.25	933	55
	May 2022	202	25	149	3	35	15	6032.02	1029	131
	Jun 2022	130	15	110	3	51	21	6035.41	1064	132
	Jul 2022	19	0	44	4	56	40	6030.02	1009	79
	Aug 2022	17	0	40	3	47	40	6024.96	959	66
	Sep 2022	23	0	38	2	26	33	6022.65	937	56
	WY 2022	700	60	633	21	250	276			724
	Oct 2022	29	1	34	1	9	26	6022.37	934	46
	Nov 2022	30	0	24	1	0	18	6022.88	939	35
	Dec 2022	25	0	20	0	0	16	6023.22	942	32
	Jan 2023	22	0	18	0	0	19	6023.04	940	33
	Feb 2023	30	0	26	1	0	14	6024.19	951	27
	Mar 2023	96	9	79	1	5	16	6029.99	1008	39

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	475	510	23	630	0	630	3599.32	4989	11685	652
H	May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
I	Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
S	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
T	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
O	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	WY 2020	5848	6543	372	8230	0	8230				8425
R	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
I	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
C	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
A	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
L	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	674
*	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	710
	Apr 2021	242	249	17	628	0	628	3562.01	4732	8477	643
	May 2021	566	461	20	628	0	628	3559.75	4718	8304	635
	Jun 2021	663	579	30	651	0	651	3558.50	4710	8209	655
	Jul 2021	229	346	36	765	0	765	3552.81	4677	7788	772
	Aug 2021	188	329	34	800	0	800	3546.27	4639	7321	818
	Sep 2021	228	338	30	622	0	622	3542.05	4616	7030	638
	WY 2021	3333	3817	274	8230	0	8230				8336
	Oct 2021	360	420	20	480	0	480	3540.96	4610	6956	489
	Nov 2021	416	406	20	500	0	500	3539.38	4602	6850	514
	Dec 2021	332	345	16	600	0	600	3535.59	4582	6599	613
	Jan 2022	320	332	4	723	0	723	3529.91	4552	6233	742
	Feb 2022	366	358	4	639	0	639	3525.69	4531	5969	656
	Mar 2022	572	477	7	675	0	675	3522.57	4516	5778	693
	Apr 2022	722	589	12	601	0	601	3522.20	4514	5756	618
	May 2022	1551	1224	14	599	0	599	3531.31	4559	6322	607
	Jun 2022	1650	1357	25	628	0	628	3541.22	4612	6974	632
	Jul 2022	375	431	31	709	0	709	3536.95	4589	6688	718
	Aug 2022	254	401	30	758	0	758	3531.44	4560	6330	775
	Sep 2022	290	424	27	568	0	568	3528.95	4547	6172	583
	WY 2022	7208	6764	210	7480	0	7480				7640
	Oct 2022	371	431	18	643	0	643	3525.52	4530	5959	655
	Nov 2022	443	421	17	642	0	642	3521.90	4513	5738	645
	Dec 2022	364	378	13	715	0	715	3516.43	4487	5414	718
	Jan 2023	355	371	4	730	0	730	3510.55	4460	5078	739
	Feb 2023	399	392	4	650	0	650	3506.18	4441	4836	661
	Mar 2023	653	531	6	690	0	690	3503.35	4428	4683	706

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

Model Run ID: 3140

Processed On: 4/14/2021 8:25:10AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	630	83	41	862	14.5	18	853	742	1096.39	11415
H	May 2020	629	33	46	1057	17.2	31	1059	713	1091.32	10971
I	Jun 2020	650	19	55	973	16.4	31	978	689	1087.07	10605
S	Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
T	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
O	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
	WY 2020	8230	863	553	8263		255	8267			
R	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
I	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
C	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
A	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
L	Feb 2021	675	56	28	574	10.3	9	573	690	1087.26	10622
*	Mar 2021	700	34	31	945	15.4	16	936	675	1084.39	10378
	Apr 2021	628	72	38	1023	17.2	15	1023	652	1080.16	10024
	May 2021	628	36	44	1018	16.6	19	1018	626	1075.39	9633
	Jun 2021	651	21	52	955	16.1	29	955	604	1071.15	9291
	Jul 2021	765	36	64	860	14.0	34	860	594	1069.30	9144
	Aug 2021	800	90	67	807	13.1	35	807	593	1069.07	9126
	Sep 2021	622	78	55	706	11.9	31	706	588	1067.97	9039
	WY 2021	8230	644	531	9423		241	9446			
	Oct 2021	480	43	40	596	9.7	25	596	579	1066.32	8909
	Nov 2021	500	69	40	626	10.5	13	626	572	1064.98	8805
	Dec 2021	600	64	34	514	8.4	8	514	579	1066.28	8907
	Jan 2022	723	95	28	536	8.7	11	536	594	1069.18	9134
	Feb 2022	639	83	26	578	10.4	9	578	600	1070.47	9237
	Mar 2022	675	86	29	922	15.0	15	922	588	1068.03	9044
	Apr 2022	601	83	36	1006	16.9	17	1006	565	1063.52	8692
	May 2022	599	41	40	979	15.9	21	979	541	1058.59	8316
	Jun 2022	628	20	48	936	15.7	29	936	518	1054.00	7975
	Jul 2022	709	43	59	827	13.4	33	827	508	1051.87	7819
	Aug 2022	758	84	62	795	12.9	34	795	505	1051.24	7773
	Sep 2022	568	71	51	709	11.9	31	709	496	1049.27	7630
	WY 2022	7480	783	493	9024		245	9024			
	Oct 2022	643	58	37	555	9.0	26	555	501	1050.36	7709
	Nov 2022	642	71	37	672	11.3	15	672	500	1050.22	7699
	Dec 2022	715	67	32	564	9.2	10	564	511	1052.48	7863
	Jan 2023	730	95	27	538	8.8	11	538	526	1055.66	8097
	Feb 2023	650	97	25	571	10.3	9	571	535	1057.45	8231
	Mar 2023	690	111	28	916	14.9	16	916	525	1055.46	8083

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	862	4	17	861	0	861	14.5	642.91	1696
H	May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
I	Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
S	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
T	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
O	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
	WY 2020	8263	-50	198	8063	0	8063			
R	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
I	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
C	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
A	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
L	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
*	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
	Apr 2021	1023	-8	17	990	0	990	16.6	643.00	1699
	May 2021	1018	-8	22	987	0	987	16.1	643.00	1699
	Jun 2021	955	-13	25	917	0	917	15.4	643.00	1699
	Jul 2021	860	-10	25	852	0	852	13.9	642.00	1671
	Aug 2021	807	-11	23	773	0	773	12.6	642.00	1671
	Sep 2021	706	-11	18	757	0	757	12.7	639.01	1591
	WY 2021	9423	-143	198	9015	0	9015			
	Oct 2021	596	-11	15	726	0	726	11.8	633.00	1434
	Nov 2021	626	-23	10	542	0	542	9.1	635.00	1486
	Dec 2021	514	-11	9	376	0	376	6.1	639.51	1604
	Jan 2022	536	-17	10	448	0	448	7.3	641.80	1666
	Feb 2022	578	-9	10	559	0	559	10.1	641.80	1666
	Mar 2022	922	-7	13	868	0	868	14.1	643.05	1700
	Apr 2022	1006	-8	17	983	0	983	16.5	643.00	1699
	May 2022	979	-8	22	948	0	948	15.4	643.00	1699
	Jun 2022	936	-13	25	897	0	897	15.1	643.00	1699
	Jul 2022	827	-10	25	819	0	819	13.3	642.00	1671
	Aug 2022	795	-11	23	761	0	761	12.4	642.00	1671
	Sep 2022	709	-11	18	734	0	734	12.3	640.01	1617
	WY 2022	9024	-138	197	8661	0	8661			
	Oct 2022	555	-11	15	712	0	712	11.6	633.00	1434
	Nov 2022	672	-23	10	588	0	588	9.9	635.00	1486
	Dec 2022	564	-11	9	426	0	426	6.9	639.51	1604
	Jan 2023	538	-17	10	450	0	450	7.3	641.80	1666
	Feb 2023	571	-9	10	552	0	552	9.9	641.80	1666
	Mar 2023	916	-7	13	862	0	862	14.0	643.05	1700

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2020	861	29	11	642	10.8	55	148	447.41	569	171	2.9
H	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	132	2.1
I	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	142	2.4
S	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	156	2.5
T	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	131	2.1
O	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	116	2.0
	WY 2020	8063	98	139	6041		631	1319			1584	
R	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	71	1.1
I	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	96	1.5
C	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	95	1.5
A	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	152	2.0
L	Feb 2021	550	-1	8	430	7.7	0	111	447.56	572	131	2.2
*	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
	Apr 2021	990	11	11	706	11.9	98	169	447.70	574	155	2.6
	May 2021	987	9	13	688	11.2	103	166	448.50	590	117	1.9
	Jun 2021	917	6	16	693	11.7	103	94	448.70	593	123	2.1
	Jul 2021	852	15	17	684	11.1	106	61	448.00	580	129	2.1
	Aug 2021	773	15	17	605	9.8	106	58	447.50	571	99	1.6
	Sep 2021	757	14	15	515	8.7	103	128	447.50	570	96	1.6
	WY 2021	9015	134	139	6333		1069	1493			1442	
	Oct 2021	726	21	12	483	7.9	106	141	447.50	571	85	1.4
	Nov 2021	542	18	9	366	6.1	93	87	447.50	571	113	1.9
	Dec 2021	376	20	7	242	3.9	97	65	446.50	552	94	1.5
	Jan 2022	448	17	6	302	4.9	106	47	446.50	552	138	2.2
	Feb 2022	559	7	8	398	7.2	33	121	446.50	552	124	2.2
	Mar 2022	868	7	9	619	10.1	106	129	446.70	555	147	2.4
	Apr 2022	983	11	11	707	11.9	102	125	448.70	593	147	2.5
	May 2022	948	9	13	692	11.3	106	135	448.70	593	110	1.8
	Jun 2022	897	6	16	697	11.7	102	75	448.70	593	116	2.0
	Jul 2022	819	15	17	671	10.9	106	41	448.00	580	123	2.0
	Aug 2022	761	15	17	611	9.9	106	41	447.50	571	101	1.6
	Sep 2022	734	14	15	517	8.7	103	103	447.50	570	99	1.7
	WY 2022	8661	161	139	6306		1164	1108			1398	
	Oct 2022	712	21	12	485	7.9	106	125	447.50	571	89	1.4
	Nov 2022	588	18	9	367	6.2	102	122	447.50	571	115	1.9
	Dec 2022	426	20	7	259	4.2	106	89	446.50	552	110	1.8
	Jan 2023	450	17	6	310	5.0	105	40	446.50	552	138	2.2
	Feb 2023	552	7	8	402	7.2	33	110	446.50	552	124	2.2
	Mar 2023	862	7	9	624	10.1	105	118	446.70	555	147	2.4

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

Model Run ID: 3140

Processed On: 4/14/2021 8:25:10AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2020	862	14.5	1096.39	11415	-194	447.37	1138.0	351.1	69	407.4
H	May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
I	Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
S	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
T	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
O	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
WY 2020		8263							3256.3		
R	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
I	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
C	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
A	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
L	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
*	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
	Apr 2021	1023	17.2	1080.16	10024	-354	432.09	1086.9	406.6	70	397.3
	May 2021	1018	16.6	1075.39	9633	-391	425.63	1332.0	389.7	88	382.9
	Jun 2021	955	16.1	1071.15	9291	-342	419.86	1468.0	356.4	100	373.1
	Jul 2021	860	14.0	1069.30	9144	-147	417.17	1468.0	326.2	100	379.5
	Aug 2021	807	13.1	1069.07	9126	-18	416.46	1468.0	303.7	100	376.3
	Sep 2021	706	11.9	1067.97	9039	-87	416.77	1451.0	263.1	100	372.4
WY 2021		9423							3631.8		
	Oct 2021	596	9.7	1066.32	8909	-129	418.62	1308.0	221.5	91	371.9
	Nov 2021	626	10.5	1064.98	8805	-104	423.28	743.0	239.8	52	383.0
	Dec 2021	514	8.4	1066.28	8907	101	419.74	932.0	195.7	65	380.6
	Jan 2022	536	8.7	1069.18	9134	228	420.33	853.1	200.4	58	373.7
	Feb 2022	578	10.4	1070.47	9237	103	420.89	961.0	220.3	65	381.0
	Mar 2022	922	15.0	1068.03	9044	-193	417.83	1247.9	348.3	85	377.8
	Apr 2022	1006	16.9	1063.52	8692	-352	414.29	1178.0	377.2	82	375.0
	May 2022	979	15.9	1058.59	8316	-376	409.73	1136.0	365.6	81	373.6
	Jun 2022	936	15.7	1054.00	7975	-342	403.05	1451.0	339.6	100	362.9
	Jul 2022	827	13.4	1051.87	7819	-156	400.05	1434.0	298.8	100	361.4
	Aug 2022	795	12.9	1051.24	7773	-46	399.01	1434.0	285.5	100	359.1
	Sep 2022	709	11.9	1049.27	7630	-142	398.37	1393.1	252.2	100	355.4
WY 2022		9024							3345.0		
	Oct 2022	555	9.0	1050.36	7709	79	401.12	1276.2	196.3	91	353.6
	Nov 2022	672	11.3	1050.22	7699	-10	404.52	1188.6	242.5	85	360.9
	Dec 2022	564	9.2	1052.48	7863	165	403.87	1143.1	201.9	81	357.8
	Jan 2023	538	8.8	1055.66	8097	234	405.09	1057.6	192.4	74	357.7
	Feb 2023	571	10.3	1057.45	8231	134	407.70	942.1	210.5	65	368.5
	Mar 2023	916	14.9	1055.46	8083	-148	405.15	1213.9	334.5	85	365.3

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2020	861	14.5	642.91	1696	-11	137.62	253.3	109.7	99	127.4
H	May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
I	Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
S	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
T	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
O	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
WY 2020		8063							1015.1		
R	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
I	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
C	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
A	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
L	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
*	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
	Apr 2021	990	16.6	643.00	1699	8	138.54	253.3	123.6	99	124.8
	May 2021	987	16.1	643.00	1699	0	138.89	255.0	123.5	100	125.1
	Jun 2021	917	15.4	643.00	1699	0	139.11	255.0	114.9	100	125.3
	Jul 2021	852	13.9	642.00	1671	-27	139.16	255.0	106.8	100	125.4
	Aug 2021	773	12.6	642.00	1671	0	139.13	255.0	96.9	100	125.3
	Sep 2021	757	12.7	639.01	1591	-81	137.57	255.0	93.9	100	123.9
WY 2021		9015							1128.4		
	Oct 2021	726	11.8	633.00	1434	-156	133.43	215.5	87.3	85	120.2
	Nov 2021	542	9.1	635.00	1486	51	132.51	170.0	64.7	67	119.4
	Dec 2021	376	6.1	639.51	1604	118	137.11	153.0	46.4	60	123.5
	Jan 2022	448	7.3	641.80	1666	62	139.98	161.2	56.5	63	126.1
	Feb 2022	559	10.1	641.80	1666	0	139.92	198.5	70.5	78	126.1
	Mar 2022	868	14.1	643.05	1700	34	138.99	204.0	108.7	80	125.2
	Apr 2022	983	16.5	643.00	1699	-2	138.76	204.0	122.9	80	125.0
	May 2022	948	15.4	643.00	1699	0	139.10	204.0	118.8	80	125.3
	Jun 2022	897	15.1	643.00	1699	0	139.23	255.0	112.6	100	125.4
	Jul 2022	819	13.3	642.00	1671	-27	139.35	255.0	102.8	100	125.5
	Aug 2022	761	12.4	642.00	1671	0	139.20	255.0	95.5	100	125.4
	Sep 2022	734	12.3	640.01	1617	-54	138.22	255.0	91.4	100	124.5
WY 2022		8661							1078.0		
	Oct 2022	712	11.6	633.00	1434	-183	134.01	227.0	86.0	89	120.7
	Nov 2022	588	9.9	635.00	1486	51	132.20	159.8	70.0	63	119.1
	Dec 2022	426	6.9	639.51	1604	118	136.74	154.7	52.5	61	123.2
	Jan 2023	450	7.3	641.80	1666	62	139.96	156.3	56.7	61	126.1
	Feb 2023	552	9.9	641.80	1666	0	139.97	156.6	69.6	61	126.1
	Mar 2023	862	14.0	643.05	1700	34	139.02	194.1	107.9	76	125.2

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

Model Run ID: 3140

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2020	642	10.8	447.41	569	25	81.56	120.0	44.4	100	69.2
H	May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
I	Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
S	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
T	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
O	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
WY 2020		6041							416.0		
R	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
I	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
C	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
A	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
L	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
*	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
	Apr 2021	706	11.9	447.70	574	8	74.87	120.0	46.4	100	65.7
	May 2021	688	11.2	448.50	590	15	75.47	120.0	45.4	100	66.0
	Jun 2021	693	11.7	448.70	593	4	75.95	120.0	46.1	100	66.4
	Jul 2021	684	11.1	448.00	580	-13	75.71	120.0	45.2	100	66.2
	Aug 2021	605	9.8	447.50	571	-10	75.13	120.0	39.6	100	65.5
	Sep 2021	515	8.7	447.50	570	0	74.89	120.0	33.5	100	65.0
WY 2021		6333							424.1		
	Oct 2021	483	7.9	447.50	571	0	76.29	90.0	31.9	75	66.1
	Nov 2021	366	6.1	447.50	571	0	75.98	96.0	23.7	80	64.9
	Dec 2021	242	3.9	446.50	552	-19	74.40	120.0	15.0	100	61.8
	Jan 2022	302	4.9	446.50	552	0	75.07	94.8	19.1	79	63.4
	Feb 2022	398	7.2	446.50	552	0	75.10	94.3	25.8	79	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	75.25	116.0	46.7	97	66.0
	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	671	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		6306							412.7		
	Oct 2022	485	7.9	447.50	571	0	76.14	92.9	32.0	77	65.9
	Nov 2022	367	6.2	447.50	571	0	76.19	92.0	23.9	77	65.1
	Dec 2022	259	4.2	446.50	552	-19	74.82	110.3	16.2	92	62.4
	Jan 2023	310	5.0	446.50	552	0	75.12	93.9	19.7	78	63.6
	Feb 2023	402	7.2	446.50	552	0	75.15	93.2	26.1	78	65.0
	Mar 2023	624	10.1	446.70	555	4	74.01	120.0	40.4	100	64.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2020	276	44	21	25	16	5
H	May 2020	276	37	23	37	19	7
I	Jun 2020	290	58	24	28	18	8
S	Jul 2020	335	35	27	32	18	9
T	Aug 2020	367	43	28	32	19	7
O	Sep 2020	262	37	23	28	11	2
	Summer 2020	1806	254	146	182	102	37
R	Oct 2020	277	24	18	22	9	0
I	Nov 2020	275	20	5	7	3	1
C	Dec 2020	304	24	5	7	3	3
A	Jan 2021	319	24	5	6	3	3
L	Feb 2021	278	21	5	6	2	3
*	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
	Apr 2021	242	17	16	21	11	2
	May 2021	241	20	16	25	14	2
	Jun 2021	248	29	17	26	15	2
	Jul 2021	289	18	23	31	15	3
	Aug 2021	298	18	23	31	15	3
	Sep 2021	229	17	21	28	14	2
	Summer 2021	1548	119	117	161	86	14
	Oct 2021	176	18	19	27	14	2
	Nov 2021	182	17	5	7	4	3
	Dec 2021	218	18	5	7	4	3
	Jan 2022	259	18	5	8	4	3
	Feb 2022	227	16	4	7	4	2
	Mar 2022	237	18	6	9	5	3
	Winter 2022	1298	104	44	65	35	16
	Apr 2022	209	17	11	18	10	3
	May 2022	212	18	18	29	17	4
	Jun 2022	227	32	17	24	15	5
	Jul 2022	258	20	24	30	15	5
	Aug 2022	272	29	24	30	15	5
	Sep 2022	203	29	22	28	14	4
	Summer 2022	1381	146	115	159	87	26
	Oct 2022	227	19	20	26	14	4
	Nov 2022	224	17	4	6	4	4
	Dec 2022	246	23	4	6	4	4
	Jan 2023	248	23	4	6	4	4
	Feb 2023	219	21	4	6	3	3
	Mar 2023	229	20	5	7	5	4
	Winter 2023	1164	103	37	50	28	21

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2021 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 ****										
Apr 2021	802	431	659	15478	17369	17242	34611	78	67	83	229	15478	17242	32949	1500	1023	0	25.7
May 2021	813	452	660	15845	17770	17596	35366	85	87	61	232	15845	17596	33673	1500	1018	0	25.2
Jun 2021	793	414	637	16018	17863	17987	35850	56	42	0	98	16018	17987	34102	1500	955	0	24.9
Jul 2021	762	352	668	16113	17895	18329	36224	14	-32	-23	-42	16113	18329	34399	1500	860	0	24.1
								**** CREDITABLE SPACE ****										
Aug 2021	763	377	751	16534	18424	18476	36900	763	377	751	1890	16534	18476	36900	1500	807	0	23.5
Sep 2021	789	415	818	17001	19023	18494	37517	789	415	818	2022	17001	18494	37517	2270	706	0	22.9
Oct 2021	821	459	851	17292	19423	18581	38004	821	459	851	2131	17292	18581	38004	3040	596	0	22.5
Nov 2021	841	499	860	17366	19566	18711	38277	841	499	860	2200	17366	18711	38277	3810	626	0	22.3
Dec 2021	854	488	858	17472	19672	18815	38486	854	488	858	2199	17472	18815	38486	4580	514	0	22.3
Jan 2022	879	481	858	17723	19941	18713	38655	879	481	858	2218	17723	18713	38655	5350	536	0	22.2
								**** EFFECTIVE SPACE ****										
Jan 2022	879	481	858	17723	19941	18713	38655	341	230	348	919	17723	18713	37356	5350	536	0	22.2
Feb 2022	899	475	862	18089	20324	18486	38810	358	226	351	935	18089	18486	37509	1500	578	0	22.0
Mar 2022	909	468	855	18353	20586	18383	38969	366	220	343	930	18353	18383	37666	1500	922	0	21.7
Apr 2022	880	454	814	18544	20692	18576	39268	332	207	296	835	18544	18576	37955	1500	1006	0	21.5
May 2022	840	435	768	18566	20609	18928	39537	285	185	228	698	18566	18928	38192	1500	979	0	22.0
Jun 2022	732	363	672	18000	19768	19304	39072	167	103	93	363	18000	19304	37667	1500	936	0	22.6
Jul 2022	617	255	637	17348	18858	19645	38503	39	-19	4	24	17348	19645	37018	1500	827	0	22.0
								**** CREDITABLE SPACE ****										
Aug 2022	594	265	693	17634	19185	19801	38986	594	265	693	1551	17634	19801	38986	1500	795	0	21.5
Sep 2022	647	291	742	17992	19673	19847	39520	647	291	742	1681	17992	19847	39520	2270	709	0	21.0
Oct 2022	711	329	765	18150	19955	19990	39944	711	329	765	1805	18150	19990	39944	3040	555	0	20.6
Nov 2022	735	367	767	18363	20233	19911	40144	735	367	767	1870	18363	19911	40144	3810	672	0	20.4
Dec 2022	746	351	762	18584	20443	19921	40364	746	351	762	1859	18584	19921	40364	4580	564	0	20.4
Jan 2023	782	340	759	18908	20789	19757	40546	782	340	759	1881	18908	19757	40546	5350	538	0	20.3
								**** EFFECTIVE SPACE ****										
Jan 2023	782	340	759	18908	20789	19757	40546	519	340	537	1396	18908	19757	40060	5350	538	0	20.3
Feb 2023	812	329	761	19244	21147	19523	40669	547	329	538	1414	19244	19523	40181	1500	571	0	20.2
Mar 2023	833	320	750	19486	21388	19389	40777	564	320	526	1410	19486	19389	40285	1500	916	0	20.0

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