



To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this March 2022 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2022 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2021 24-Month Study projections of the January 1, 2022, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2022.

The August 2021 24-Month study projected the January 1, 2022, Lake Powell elevation to be less than 3,575 feet and at or above 3,525 feet and the Lake Mead elevation to be at or above 1,025 feet. Consistent with Section 6.C.1 of the Interim Guidelines the operational tier for Lake Powell in water year 2022 is the Mid-Elevation Release Tier and the water year release volume from Lake Powell will be 7.48 million acre-feet (maf).

The August 2021 24-Month Study projected the January 1, 2022 Lake Mead elevation to be at or below 1,075 feet and at or above 1,050 feet. Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.a will govern the operation of Lake Mead for calendar year 2022. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will also govern the operation of Lake Mead for calendar year 2022. Efforts to conserve additional water in Lake Mead under a 2021 Lower Basin Memorandum of Understanding (MOU) to facilitate near-term actions to maintain the water surface elevation of Lake Mead will also take place in calendar year 2022.

The Upper Basin Drought Response Operations Agreement (DROA) provisions to protect a target elevation at Lake Powell of 3,525 feet have been incorporated into the March 2022 24-Month Study and includes an adjusted monthly release volume pattern for Glen Canyon Dam that will hold back a total of 0.350 maf in Lake Powell from January through April. There are continued discussions when and how that same amount of water (0.350 maf) will be released later in the water year. The annual release volume from Lake Powell for water year 2022 will continue to be 7.48 maf.¹ If future projections indicate the monthly adjustments are insufficient to protect Powell's elevation, Reclamation will again consider additional water releases from the upstream initial units of the Colorado River Storage Project later this year.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows. The observed unregulated inflow into Lake Powell for the month of February was 0.215 maf or 59 percent of the 30-year average from 1991 to 2020. The March unregulated inflow forecast for Lake Powell is 0.300 maf or 50 percent of the 30-year average. The 2022 April through July unregulated inflow forecast is 4.400 maf or 69 percent of average.

In this study, the calendar year 2022 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.086 maf. The calendar year 2022 diversion for the Central Arizona Project (CAP) is projected to be 0.969 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.250 maf for calendar year 2022.

Due to changing Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes. This study reflects these changes in the projections.

¹ More information on the adjusted release from Glen Canyon Dam can be found here: <https://www.usbr.gov/newsroom/#/news-release/4073>.

Hoover, Davis, and Parker Dam historical gross energy figures come from PO&M reports provided by the Lower Colorado Region's Power Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Colleen Dwyer at (702) 293-8420.

Runoff and inflow projections into upper basin reservoirs are provided by the Colorado River Forecasting Service through the National Weather Service's Colorado Basin River Forecast Center and are as follows in thousand acre-feet (kaf):

Reservoir	Observed Inflow (kaf)				Feb	Inflow Forecast (kaf)			Seasonal Outlook	
	Nov	Dec	Jan	Feb	%Avg	Mar	Apr	May	Apr-Jul	%Avg
Lake Powell	346	266	249	216	59%	300	500	1550	4400	69%
Fontenelle	39	29	29	22	77%	40	55	95	450	61%
Flaming Gorge	47	21	33	29	64%	75	85	125	540	56%
Blue Mesa	27	22	19.8	18.2	81%	27	55	195	560	88%
Morrow Point	30	23	21	19	79%	30	62	212	595	86%
Crystal	34	27	25	22	80%	33	70	235	650	84%
Taylor Park	4.3	4.3	4.1	3.5	92%	3.8	7	28	96	102%
Vallecito	4.8	3.8	3.7	3.2	68%	4.7	15	60	142	80%
Navajo	13.6	14.9	13.5	14	52%	35	75	218	455	72%
Lemon	0.9	0.68	0.56	0.47	63%	0.8	3	16	36	75%
McPhee	3.1	2.9	2.6	2.3	50%	7	29	82	168	66%
Ridgway	4.6	3.8	3.4	2.8	77%	4	6	20	72	78%
Deerlodge	28	22	18.9	17.2	73%	48	165	445	965	81%
Durango	11.7	9	8.9	7.3	64%	10	30	120	305	79%

The 2022 AOP is available online at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP22.pdf>.

The Interim Guidelines are available online at:

<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The Colorado River DCPs are available online at:

<https://www.usbr.gov/dcp/finaldocs.html>.

The 2021 Lower Basin MOU is available online at:

https://www.usbr.gov/lc/region/g4000/2021_MOU.pdf.

The Upper Basin Hydrology Summary is available online at:

https://www.usbr.gov/uc/water/crsp/studies/24Month_03_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	40	0	51	0	51	6472.03	121
H	Apr 2021	54	1	49	0	49	6473.03	125
I	May 2021	76	1	49	0	49	6478.67	152
S	Jun 2021	143	2	42	0	42	6494.76	251
T	Jul 2021	45	2	43	0	43	6494.70	250
O	Aug 2021	35	2	41	0	41	6493.52	242
R	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
I	Oct 2021	37	1	33	4	37	6491.62	229
C	Nov 2021	39	1	43	0	43	6491.01	225
A	Dec 2021	29	1	50	0	50	6487.63	203
L	Jan 2022	29	1	51	0	51	6483.90	180
*	Feb 2022	23	1	46	0	46	6479.63	157
	Mar 2022	40	1	51	0	51	6477.46	153
	Apr 2022	55	1	13	46	58	6476.63	149
	May 2022	95	1	73	0	73	6480.54	169
	Jun 2022	205	2	79	0	79	6499.25	293
	Jul 2022	95	3	61	0	61	6503.29	323
	Aug 2022	45	2	61	0	61	6500.86	305
	Sep 2022	35	2	60	0	60	6497.33	278
	WY 2022	726	15	621	50	671		
	Oct 2022	42	1	61	0	61	6494.41	257
	Nov 2022	41	1	64	0	64	6490.96	234
	Dec 2022	32	1	66	0	66	6485.56	198
	Jan 2023	30	1	66	0	66	6479.25	162
	Feb 2023	28	0	60	0	60	6472.58	130
	Mar 2023	50	0	67	0	67	6468.67	113
	Apr 2023	77	1	34	40	74	6469.26	115
	May 2023	167	1	91	0	91	6484.23	190
	Jun 2023	303	2	103	93	196	6499.56	295
	Jul 2023	147	3	102	9	111	6503.92	328
	Aug 2023	58	2	74	0	74	6501.66	311
	Sep 2023	38	2	66	0	66	6497.79	282
	WY 2023	1013	15	853	142	995		
	Oct 2023	44	1	68	0	68	6494.38	257
	Nov 2023	42	1	64	0	64	6491.11	235
	Dec 2023	32	1	66	0	66	6485.72	199
	Jan 2024	30	1	66	0	66	6479.44	163
	Feb 2024	28	0	62	0	62	6472.33	128

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
H	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
I	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
S	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
T	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
O	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
R	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
I	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
C	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
A	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
L	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
*	Feb 2022	30	53	2	47	0	47	117	6017.87	2905	70
	Mar 2022	75	86	3	52	0	52	118	6018.72	2935	100
	Apr 2022	85	88	5	51	0	51	119	6019.63	2967	216
	May 2022	125	103	7	140	0	140	118	6018.43	2924	585
	Jun 2022	225	99	10	51	0	51	119	6019.49	2962	366
	Jul 2022	105	71	12	67	0	67	119	6019.26	2954	107
	Aug 2022	50	66	12	111	0	111	117	6017.70	2899	123
	Sep 2022	40	65	10	110	0	110	115	6016.15	2846	122
	WY 2022	884	828	74	862	0	862				2046
	Oct 2022	50	70	7	69	0	69	114	6015.97	2840	94
	Nov 2022	48	71	3	51	0	51	115	6016.46	2857	80
	Dec 2022	33	67	2	52	0	52	116	6016.84	2869	77
	Jan 2023	40	76	2	52	0	52	116	6017.46	2891	77
	Feb 2023	41	74	2	47	0	47	117	6018.13	2914	72
	Mar 2023	87	103	3	52	0	52	119	6019.45	2960	126
	Apr 2023	113	110	5	51	0	51	121	6020.93	3013	253
	May 2023	244	168	7	106	0	106	123	6022.40	3065	618
	Jun 2023	392	285	10	178	0	178	127	6024.95	3158	545
	Jul 2023	160	123	13	73	0	73	129	6025.90	3194	133
	Aug 2023	65	81	12	109	0	109	127	6024.84	3154	128
	Sep 2023	42	70	11	108	0	108	125	6023.57	3108	120
	WY 2023	1315	1296	76	948	0	948				2324
	Oct 2023	52	75	7	72	0	72	125	6023.46	3104	98
	Nov 2023	49	71	3	85	0	85	124	6023.01	3087	114
	Dec 2023	33	67	2	132	0	132	122	6021.23	3023	157
	Jan 2024	40	76	2	132	0	132	119	6019.66	2968	157
	Feb 2024	41	76	2	124	0	124	118	6018.29	2920	149

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

Model Run ID: 3180

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



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RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Mar 2021	4	5	9304.90	62
H	Apr 2021	7	5	9305.94	64
I	May 2021	16	10	9310.13	70
S	Jun 2021	24	16	9314.87	78
T	Jul 2021	11	16	9311.57	72
O	Aug 2021	7	15	9306.36	64
R	Sep 2021	4	10	9302.48	59
	WY 2021	92	102		
I	Oct 2021	5	5	9302.69	59
C	Nov 2021	4	4	9302.58	59
A	Dec 2021	5	5	9302.55	59
L	Jan 2022	4	4	9302.29	58
*	Feb 2022	4	4	9301.88	58
	Mar 2022	4	5	9301.38	57
	Apr 2022	7	6	9302.12	58
	May 2022	28	13	9312.16	73
	Jun 2022	44	22	9324.74	96
	Jul 2022	17	22	9322.36	91
	Aug 2022	9	18	9317.15	82
	Sep 2022	7	15	9312.21	73
	WY 2022	137	122		
	Oct 2022	6	9	9310.37	70
	Nov 2022	5	6	9309.58	69
	Dec 2022	4	6	9308.49	68
	Jan 2023	5	6	9307.52	66
	Feb 2023	4	6	9306.47	64
	Mar 2023	5	6	9305.43	63
	Apr 2023	9	12	9303.44	60
	May 2023	26	18	9308.85	68
	Jun 2023	40	24	9318.46	84
	Jul 2023	15	27	9311.33	72
	Aug 2023	8	24	9300.82	56
	Sep 2023	7	18	9292.12	45
	WY 2023	134	162		
	Oct 2023	7	9	9290.02	43
	Nov 2023	5	6	9288.98	42
	Dec 2023	4	6	9287.38	40
	Jan 2024	5	6	9285.94	38
	Feb 2024	4	6	9284.34	37

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	29	30	0	32	0	32	7465.07	399
H	Apr 2021	47	46	1	79	0	79	7459.68	365
I	May 2021	90	83	1	96	2	98	7457.14	350
S	Jun 2021	127	119	1	77	0	77	7463.84	391
T	Jul 2021	53	58	1	98	0	98	7457.21	350
O	Aug 2021	45	53	1	93	0	93	7450.20	310
R	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
I	Oct 2021	27	26	0	58	0	58	7429.52	209
C	Nov 2021	27	27	0	16	0	16	7431.94	220
A	Dec 2021	22	22	0	11	0	11	7434.40	231
L	Jan 2022	20	20	0	14	0	14	7435.60	236
*	Feb 2022	18	19	0	14	0	14	7436.57	241
	Mar 2022	27	28	0	19	0	19	7438.25	249
	Apr 2022	55	54	0	49	0	49	7439.22	254
	May 2022	195	180	1	185	11	196	7435.75	237
	Jun 2022	225	203	1	54	0	54	7462.89	385
	Jul 2022	85	90	1	81	0	81	7464.02	392
	Aug 2022	50	59	1	76	0	76	7461.21	375
	Sep 2022	34	42	1	32	44	76	7455.43	340
	WY 2022	784	769	6	610	55	665		
	Oct 2022	35	38	0	0	72	72	7449.34	306
	Nov 2022	30	32	0	0	16	16	7452.19	321
	Dec 2022	26	28	0	16	0	16	7454.34	334
	Jan 2023	25	27	0	16	0	16	7456.16	344
	Feb 2023	23	25	0	14	0	14	7457.97	355
	Mar 2023	38	39	0	18	0	18	7461.44	376
	Apr 2023	78	81	1	29	0	29	7469.39	427
	May 2023	203	195	1	56	0	56	7488.42	565
	Jun 2023	250	234	1	137	0	137	7500.30	661
	Jul 2023	86	99	1	81	0	81	7502.19	676
	Aug 2023	56	71	1	79	0	79	7501.13	668
	Sep 2023	35	46	1	74	0	74	7497.64	639
	WY 2023	887	915	8	521	88	608		
	Oct 2023	36	38	1	70	0	70	7493.62	606
	Nov 2023	31	32	0	15	0	15	7495.68	623
	Dec 2023	26	28	0	40	0	40	7494.14	610
	Jan 2024	25	27	0	40	0	40	7492.37	596
	Feb 2024	23	25	0	38	0	38	7490.72	583

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	30	32	1	33	35	0	35	7143.99	104
H	Apr 2021	49	79	1	81	82	0	82	7141.50	103
I	May 2021	93	98	4	102	91	0	91	7155.08	113
S	Jun 2021	132	77	4	81	85	0	85	7150.02	109
T	Jul 2021	54	98	1	99	97	0	97	7152.51	111
O	Aug 2021	46	93	1	93	94	0	94	7150.92	110
R	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
I	Oct 2021	27	58	1	59	61	0	61	7149.67	109
C	Nov 2021	30	16	3	19	17	0	17	7151.77	110
A	Dec 2021	23	11	1	12	16	0	16	7145.62	106
L	Jan 2022	21	14	1	15	16	0	16	7144.25	105
*	Feb 2022	19	14	1	15	14	0	14	7145.30	105
	Mar 2022	30	19	3	22	16	0	16	7153.73	112
	Apr 2022	62	49	7	56	56	0	56	7153.73	112
	May 2022	212	196	17	213	212	0	212	7153.73	112
	Jun 2022	235	54	10	64	64	0	64	7153.72	112
	Jul 2022	86	81	1	82	82	0	82	7153.73	112
	Aug 2022	53	76	3	79	79	0	79	7153.73	112
	Sep 2022	36	76	2	78	78	0	78	7153.73	112
	WY 2022	833	665	49	714	712	0	712		
	Oct 2022	37	72	2	74	74	0	74	7153.73	112
	Nov 2022	32	16	1	17	17	0	17	7153.73	112
	Dec 2022	27	16	1	17	17	0	17	7153.73	112
	Jan 2023	26	16	1	17	17	0	17	7153.73	112
	Feb 2023	25	14	1	15	15	0	15	7153.73	112
	Mar 2023	40	18	2	20	20	0	20	7153.73	112
	Apr 2023	89	29	11	40	40	0	40	7153.73	112
	May 2023	226	56	23	79	79	0	79	7153.73	112
	Jun 2023	265	137	15	153	152	0	152	7153.72	112
	Jul 2023	90	81	4	85	85	0	85	7153.73	112
	Aug 2023	56	79	0	80	80	0	80	7153.73	112
	Sep 2023	36	74	1	75	75	0	75	7153.73	112
	WY 2023	950	608	63	671	670	0	670		
	Oct 2023	37	70	1	72	72	0	72	7153.73	112
	Nov 2023	32	15	1	16	16	0	16	7153.73	112
	Dec 2023	27	40	1	41	41	0	41	7153.73	112
	Jan 2024	26	40	1	42	42	0	42	7153.73	112
	Feb 2024	25	38	1	39	39	0	39	7153.73	112

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
H	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	36
I	May 2021	103	91	10	101	100	1	100	6753.35	17	64	37
S	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
T	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
O	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
R	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61	36
	WY 2021	591	734	52	785	762	22	784			423	365
I	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
C	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
A	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
L	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
*	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
	Mar 2022	33	16	3	19	17	0	17	6753.04	17	5	12
	Apr 2022	70	56	8	64	64	0	64	6753.04	17	42	22
	May 2022	235	212	23	235	134	101	235	6753.04	17	62	173
	Jun 2022	255	64	20	84	84	0	84	6753.03	17	61	23
	Jul 2022	90	82	4	86	86	0	86	6753.04	17	65	21
	Aug 2022	60	79	7	86	86	0	86	6753.04	17	65	21
	Sep 2022	38	78	2	80	80	0	80	6753.04	17	55	25
	WY 2022	921	712	88	800	665	134	800			398	395
	Oct 2022	41	74	3	77	77	0	77	6753.04	17	55	22
	Nov 2022	36	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2022	32	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2023	31	17	4	22	22	0	22	6753.04	17	0	22
	Feb 2023	29	15	4	19	19	0	19	6753.04	17	0	19
	Mar 2023	46	20	7	26	26	0	26	6753.04	17	5	21
	Apr 2023	100	40	11	50	50	0	50	6753.04	17	42	8
	May 2023	251	79	25	104	104	0	104	6753.04	17	62	42
	Jun 2023	293	152	28	180	130	50	180	6753.03	17	61	119
	Jul 2023	98	85	8	92	92	0	92	6753.04	17	65	27
	Aug 2023	63	80	7	86	86	0	86	6753.04	17	65	21
	Sep 2023	42	75	5	80	80	0	80	6753.04	17	55	25
	WY 2023	1060	670	110	780	730	50	780			410	370
	Oct 2023	43	72	6	78	52	25	78	6753.04	17	55	23
	Nov 2023	37	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2023	32	41	5	46	46	0	46	6753.04	17	0	46
	Jan 2024	31	42	4	46	46	0	46	6753.04	17	0	46
	Feb 2024	29	39	4	43	43	0	43	6753.04	17	0	43

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

Model Run ID: 3180

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	4	0	7629.73	44
H	Apr 2021	14	1	7636.28	57
I	May 2021	50	30	7645.56	77
S	Jun 2021	44	39	7647.63	81
T	Jul 2021	19	36	7639.49	63
O	Aug 2021	13	34	7628.72	43
R	Sep 2021	7	26	7615.74	24
	WY 2021	166	169		
I	Oct 2021	8	3	7619.62	29
C	Nov 2021	5	2	7621.90	32
A	Dec 2021	4	0	7624.23	35
L	Jan 2022	4	0	7626.39	39
*	Feb 2022	3	0	7628.13	42
	Mar 2022	5	2	7629.75	45
	Apr 2022	15	2	7636.63	58
	May 2022	60	31	7649.54	86
	Jun 2022	52	43	7653.13	95
	Jul 2022	15	42	7641.51	68
	Aug 2022	10	38	7626.84	40
	Sep 2022	10	30	7612.02	20
	WY 2022	190	191		
	Oct 2022	10	17	7603.95	12
	Nov 2022	8	2	7610.54	18
	Dec 2022	7	2	7614.98	23
	Jan 2023	6	2	7618.27	27
	Feb 2023	5	2	7621.05	31
	Mar 2023	10	2	7626.19	38
	Apr 2023	23	2	7637.83	60
	May 2023	68	31	7653.81	96
	Jun 2023	62	43	7660.95	115
	Jul 2023	21	42	7652.78	94
	Aug 2023	15	38	7643.08	71
	Sep 2023	16	30	7636.37	57
	WY 2023	251	211		
	Oct 2023	13	17	7634.10	53
	Nov 2023	9	2	7637.62	60
	Dec 2023	7	2	7639.93	64
	Jan 2024	6	2	7641.78	68
	Feb 2024	5	2	7643.42	72

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	23	1	19	1	4	24	6033.31	1042	32
H	Apr 2021	82	13	57	2	20	32	6033.54	1045	31
I	May 2021	169	25	124	3	34	26	6039.27	1105	65
S	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
T	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
O	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
R	Sep 2021	-2	0	17	2	25	50	6024.10	951	49
	WY 2021	463	60	406	23	222	360			549
I	Oct 2021	20	0	16	1	2	28	6022.31	887	45
C	Nov 2021	14	0	10	1	0	18	6021.39	879	36
A	Dec 2021	15	0	11	0	0	18	6020.63	872	35
L	Jan 2022	14	0	10	0	0	22	6019.21	859	38
*	Feb 2022	14	0	11	1	1	20	6018.00	848	33
	Mar 2022	35	1	31	1	5	20	6018.58	854	30
	Apr 2022	75	6	56	2	21	18	6020.29	869	48
	May 2022	218	28	161	3	35	18	6031.45	974	138
	Jun 2022	145	17	119	3	51	18	6036.10	1020	133
	Jul 2022	17	0	43	3	56	31	6031.46	974	71
	Aug 2022	22	1	49	3	47	33	6028.03	941	58
	Sep 2022	26	1	45	2	26	26	6027.11	932	48
	WY 2022	614	53	563	20	244	270			712
	Oct 2022	31	1	38	1	9	20	6027.90	939	40
	Nov 2022	29	0	23	1	0	18	6028.32	943	35
	Dec 2022	24	0	19	0	0	18	6028.30	943	33
	Jan 2023	22	0	17	0	0	18	6028.15	942	32
	Feb 2023	29	0	25	1	0	17	6028.93	949	29
	Mar 2023	92	9	76	1	5	18	6034.10	1000	41
	Apr 2023	147	17	108	2	21	18	6040.67	1068	69
	May 2023	252	33	182	3	35	18	6051.84	1193	153
	Jun 2023	187	23	145	4	51	18	6057.78	1265	162
	Jul 2023	32	2	51	4	56	21	6055.32	1234	72
	Aug 2023	23	1	45	3	47	28	6052.53	1201	57
	Sep 2023	31	1	44	3	26	22	6051.97	1194	49
	WY 2023	899	87	772	24	250	235			771
	Oct 2023	35	1	38	2	9	19	6052.66	1202	42
	Nov 2023	30	0	23	1	0	18	6053.02	1207	36
	Dec 2023	24	0	19	1	0	18	6053.00	1206	33
	Jan 2024	22	0	17	1	0	18	6052.86	1205	32
	Feb 2024	29	0	25	1	0	17	6053.43	1212	29

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	698
H	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	635
I	May 2021	543	495	20	624	0	624	3560.57	4723	8366	649
S	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
T	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
O	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
R	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
I	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
C	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	497
A	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	612
L	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	709
*	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	592
	Mar 2022	300	252	7	575	0	575	3521.97	4513	5742	591
	Apr 2022	500	429	12	501	0	501	3520.68	4507	5665	519
	May 2022	1550	1429	14	599	0	599	3532.85	4567	6420	618
	Jun 2022	1850	1446	25	678	0	678	3543.19	4622	7108	697
	Jul 2022	500	528	31	809	0	809	3538.91	4599	6818	832
	Aug 2022	250	396	30	858	0	858	3531.95	4563	6363	882
	Sep 2022	240	379	27	666	0	666	3527.35	4539	6072	683
	WY 2022	6582	6412	213	7480	0	7480				7722
	Oct 2022	353	408	18	480	0	480	3526.00	4533	5988	492
	Nov 2022	411	388	18	500	0	500	3524.05	4523	5869	503
	Dec 2022	352	355	14	600	0	600	3520.08	4504	5629	603
	Jan 2023	347	347	4	723	0	723	3514.07	4476	5278	732
	Feb 2023	396	380	4	639	0	639	3509.77	4456	5035	650
	Mar 2023	613	499	6	675	0	675	3506.71	4443	4865	691
	Apr 2023	935	732	10	601	0	601	3508.74	4452	4977	619
	May 2023	2114	1664	13	599	0	599	3525.40	4530	5951	618
	Jun 2023	2478	2057	25	628	0	628	3545.27	4634	7251	647
	Jul 2023	709	664	32	755	0	755	3543.62	4625	7137	778
	Aug 2023	361	481	32	758	0	758	3539.40	4602	6851	782
	Sep 2023	312	434	29	579	0	579	3536.98	4589	6690	596
	WY 2023	9381	8408	204	7537	0	7537				7712
	Oct 2023	417	466	20	480	0	480	3536.51	4586	6659	492
	Nov 2023	446	453	19	500	0	500	3535.58	4582	6598	503
	Dec 2023	352	460	15	600	0	600	3533.37	4570	6454	603
	Jan 2024	347	451	4	723	0	723	3529.37	4550	6198	732
	Feb 2024	396	481	4	639	0	639	3526.96	4538	6048	650

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

Model Run ID: 3180

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	700	33	31	945	15.4	15	935	675	1084.39	10378
H	Apr 2021	628	36	38	1057	17.8	22	1056	647	1079.30	9953
I	May 2021	624	9	43	1067	17.4	27	1058	616	1073.50	9480
S	Jun 2021	651	-31	51	939	15.8	32	927	592	1068.77	9102
T	Jul 2021	767	95	63	862	14.0	31	853	586	1067.65	9014
O	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
R	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
I	Oct 2021	481	80	40	581	9.4	16	586	581	1066.77	8945
C	Nov 2021	500	42	40	642	10.8	10	650	572	1064.97	8804
A	Dec 2021	600	64	34	503	8.2	10	511	579	1066.39	8915
L	Jan 2022	673	65	28	640	10.4	12	639	583	1067.09	8970
*	Feb 2022	540	61	26	590	10.6	11	590	581	1066.78	8946
	Mar 2022	575	111	29	949	15.4	12	949	563	1063.11	8660
	Apr 2022	501	81	35	1012	17.0	17	1012	534	1057.14	8208
	May 2022	599	50	39	1044	17.0	30	1044	505	1051.23	7772
	Jun 2022	678	29	46	926	15.6	31	926	487	1047.37	7494
	Jul 2022	809	64	57	817	13.3	36	817	485	1046.87	7459
	Aug 2022	858	81	61	777	12.6	37	777	489	1047.73	7520
	Sep 2022	666	71	50	693	11.6	28	693	487	1047.29	7488
	WY 2022	7480	800	484	9174		250	9194			
	Oct 2022	480	58	36	467	7.6	21	467	488	1047.47	7501
	Nov 2022	500	71	36	548	9.2	10	548	486	1047.16	7479
	Dec 2022	600	67	32	462	7.5	5	462	496	1049.37	7638
	Jan 2023	723	95	26	611	9.9	11	611	507	1051.58	7797
	Feb 2023	639	97	24	546	9.8	8	546	516	1053.61	7946
	Mar 2023	675	111	27	875	14.2	15	875	508	1051.92	7822
	Apr 2023	601	81	33	982	16.5	17	982	487	1047.36	7493
	May 2023	599	50	37	938	15.2	21	938	466	1042.74	7167
	Jun 2023	628	29	44	893	15.0	30	893	447	1038.53	6877
	Jul 2023	755	64	55	803	13.1	34	803	443	1037.53	6809
	Aug 2023	758	81	58	771	12.5	36	771	441	1037.18	6785
	Sep 2023	579	71	47	672	11.3	32	672	435	1035.78	6690
	WY 2023	7537	876	456	8566		242	8566			
	Oct 2023	480	58	34	501	8.1	26	501	433	1035.46	6669
	Nov 2023	500	71	34	623	10.5	15	623	427	1034.05	6574
	Dec 2023	600	67	30	515	8.4	10	515	434	1035.63	6680
	Jan 2024	723	95	24	602	9.8	11	602	445	1038.14	6850
	Feb 2024	639	97	23	537	9.3	8	537	456	1040.44	7008

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
H	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
I	May 2021	1067	9	22	1055	0	1055	17.2	642.32	1680
S	Jun 2021	939	15	25	901	0	901	15.1	643.33	1708
T	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
O	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
R	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
I	Oct 2021	581	-3	15	638	0	658	10.7	634.42	1471
C	Nov 2021	642	-9	10	543	0	543	9.1	637.48	1551
A	Dec 2021	503	-6	9	465	0	465	7.6	638.32	1573
L	Jan 2022	640	-19	10	523	0	523	8.5	641.60	1661
*	Feb 2022	590	-24	10	536	0	555	10.0	641.69	1663
	Mar 2022	949	-7	13	907	0	907	14.8	642.50	1685
	Apr 2022	1012	-8	17	974	0	974	16.4	643.00	1699
	May 2022	1044	-8	22	1014	0	1014	16.5	643.00	1699
	Jun 2022	926	-13	25	888	0	888	14.9	643.00	1699
	Jul 2022	817	-10	25	809	0	809	13.2	642.00	1671
	Aug 2022	777	-11	23	743	0	743	12.1	642.00	1671
	Sep 2022	693	-11	18	717	0	717	12.1	640.01	1617
	WY 2022	9174	-128	197	8758	0	8796			
	Oct 2022	467	-11	15	624	0	624	10.1	633.00	1434
	Nov 2022	548	-23	10	464	0	464	7.8	635.00	1486
	Dec 2022	462	-11	9	323	0	323	5.3	639.51	1604
	Jan 2023	611	-17	10	523	0	523	8.5	641.80	1666
	Feb 2023	546	-9	10	527	0	527	9.5	641.80	1666
	Mar 2023	875	-7	13	821	0	821	13.3	643.05	1700
	Apr 2023	982	-8	17	958	0	958	16.1	643.00	1699
	May 2023	938	-8	22	907	0	907	14.8	643.00	1699
	Jun 2023	893	-13	25	854	0	854	14.4	643.00	1699
	Jul 2023	803	-10	25	795	0	795	12.9	642.00	1671
	Aug 2023	771	-11	23	737	0	737	12.0	642.00	1671
	Sep 2023	672	-11	18	697	0	697	11.7	640.01	1617
	WY 2023	8566	-138	197	8230	0	8230			
	Oct 2023	501	-11	15	658	0	658	10.7	633.00	1434
	Nov 2023	623	-23	10	539	0	539	9.1	635.00	1486
	Dec 2023	515	-11	9	377	0	377	6.1	639.51	1604
	Jan 2024	602	-17	10	514	0	514	8.4	641.80	1666
	Feb 2024	537	-9	10	517	0	517	9.0	641.80	1666

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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)
*	Mar 2021	920	1	9	663	10.8	99	149	447.28	566	179	2.9
H	Apr 2021	1028	0	11	728	12.2	102	163	448.04	581	167	2.8
I	May 2021	1055	-2	13	746	12.1	107	168	448.51	590	145	2.4
S	Jun 2021	901	20	15	706	11.9	103	87	448.55	591	151	2.5
T	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
O	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
R	Sep 2021	756	5	15	516	8.7	97	106	448.49	590	116	1.9
	WY 2021	9040	117	140	6393		1065	1441			1519	
I	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
C	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
A	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
L	Jan 2022	523	-2	6	342	5.6	96	89	446.38	550	114	1.9
*	Feb 2022	555	13	8	445	8.0	4	103	446.44	551	127	2.3
	Mar 2022	907	7	9	635	10.3	103	138	447.50	571	170	2.8
	Apr 2022	974	11	11	711	11.9	103	146	447.70	574	161	2.7
	May 2022	1014	9	13	712	11.6	106	161	448.70	593	125	2.0
	Jun 2022	888	6	16	716	12.0	96	53	448.70	593	129	2.2
	Jul 2022	809	15	17	689	11.2	99	20	448.00	580	131	2.1
	Aug 2022	743	15	17	620	10.1	99	20	447.50	571	112	1.8
	Sep 2022	717	14	15	534	9.0	96	76	447.50	570	109	1.8
	WY 2022	8796	136	140	6453		1097	1156			1427	
	Oct 2022	624	21	12	454	7.4	99	74	447.50	571	63	1.0
	Nov 2022	464	18	9	332	5.6	91	45	447.50	570	91	1.5
	Dec 2022	323	20	7	212	3.5	94	44	446.50	552	87	1.4
	Jan 2023	523	17	6	314	5.1	101	114	446.50	552	136	2.2
	Feb 2023	527	7	8	399	7.2	20	100	446.50	552	122	2.2
	Mar 2023	821	7	9	601	9.8	101	104	446.70	555	145	2.4
	Apr 2023	958	11	11	705	11.9	98	107	448.70	593	144	2.4
	May 2023	907	9	13	710	11.5	74	107	448.70	593	108	1.8
	Jun 2023	854	6	16	713	12.0	73	45	448.70	593	114	1.9
	Jul 2023	795	15	17	681	11.1	75	38	448.00	580	120	2.0
	Aug 2023	737	15	17	622	10.1	75	36	447.50	571	100	1.6
	Sep 2023	697	14	15	525	8.8	73	87	447.50	570	97	1.6
	WY 2023	8230	161	139	6268		975	900			1328	
	Oct 2023	658	21	12	484	7.9	75	102	447.50	571	87	1.4
	Nov 2023	539	18	9	367	6.2	73	103	447.50	570	113	1.9
	Dec 2023	377	20	7	257	4.2	74	73	446.50	552	108	1.8
	Jan 2024	514	17	6	307	5.0	103	108	446.50	552	131	2.1
	Feb 2024	517	7	8	394	6.8	20	96	446.50	552	117	2.0

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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
*	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
H	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
I	May 2021	1067	17.4	1073.50	9480	-473	423.99	1042.9	433.7	69	406.4
S	Jun 2021	939	15.8	1068.77	9102	-378	419.04	1451.0	366.8	100	390.7
T	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
O	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
R	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
WY 2021		9361							3643.8		
I	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
C	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
A	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
L	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
*	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
	Mar 2022	949	15.4	1063.11	8660	-285	416.25	898.0	365.5	62	385.0
	Apr 2022	1012	17.0	1057.14	8208	-452	411.04	868.0	385.1	62	380.6
	May 2022	1044	17.0	1051.23	7772	-436	403.04	1090.0	380.9	80	364.7
	Jun 2022	926	15.6	1047.37	7494	-278	398.20	1064.0	334.6	80	361.1
	Jul 2022	817	13.3	1046.87	7459	-35	394.99	1240.0	291.5	93	356.7
	Aug 2022	777	12.6	1047.73	7520	61	395.50	1240.0	276.0	93	355.4
	Sep 2022	693	11.6	1047.29	7488	-32	396.35	1240.0	244.7	93	353.2
WY 2022		9174							3378.9		
	Oct 2022	467	7.6	1047.47	7501	13	400.37	1001.0	167.7	75	359.2
	Nov 2022	548	9.2	1047.16	7479	-22	402.36	1030.5	195.7	77	357.0
	Dec 2022	462	7.5	1049.37	7638	158	401.18	1043.0	165.9	77	359.4
	Jan 2023	611	9.9	1051.58	7797	160	401.17	1053.5	219.5	77	359.0
	Feb 2023	546	9.8	1053.61	7946	148	402.96	1008.0	197.0	73	360.9
	Mar 2023	875	14.2	1051.92	7822	-123	402.19	1065.5	322.2	78	368.4
	Apr 2023	982	16.5	1047.36	7493	-329	398.70	1040.5	352.6	78	359.3
	May 2023	938	15.2	1042.74	7167	-326	394.55	967.0	335.4	75	357.8
	Jun 2023	893	15.0	1038.53	6877	-291	387.55	1266.0	307.9	100	345.0
	Jul 2023	803	13.1	1037.53	6809	-68	385.30	1250.0	277.2	100	345.3
	Aug 2023	771	12.5	1037.18	6785	-24	384.96	1172.0	265.0	100	343.7
	Sep 2023	672	11.3	1035.78	6690	-95	384.74	1160.1	228.5	100	339.9
WY 2023		8566							3034.6		
	Oct 2023	501	8.1	1035.46	6669	-21	388.44	901.5	175.3	78	350.3
	Nov 2023	623	10.5	1034.05	6574	-95	390.28	845.9	218.6	74	350.8
	Dec 2023	515	8.4	1035.63	6680	106	386.96	1000.2	179.7	86	349.0
	Jan 2024	602	9.8	1038.14	6850	170	388.29	845.0	208.8	72	346.8
	Feb 2024	537	9.3	1040.44	7008	158	390.36	808.4	186.6	67	347.7

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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
*	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
H	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
I	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
S	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
T	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
O	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
R	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
WY 2021		9040							1141.6		
I	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
C	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
A	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
L	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
*	Feb 2022	536	10.0	641.69	1663	2	140.45	174.9	72.1	69	134.5
	Mar 2022	907	14.8	642.50	1685	22	138.43	253.3	113.2	99	124.7
	Apr 2022	974	16.4	643.00	1699	14	138.54	255.0	121.5	100	124.8
	May 2022	1014	16.5	643.00	1699	0	138.74	241.8	126.7	95	125.0
	Jun 2022	888	14.9	643.00	1699	0	139.28	255.0	111.4	100	125.5
	Jul 2022	809	13.2	642.00	1671	-27	139.41	255.0	101.6	100	125.6
	Aug 2022	743	12.1	642.00	1671	0	139.31	255.0	93.3	100	125.5
	Sep 2022	717	12.1	640.01	1617	-54	138.33	255.0	89.4	100	124.6
WY 2022		8758							1095.9		
	Oct 2022	624	10.1	633.00	1434	-183	134.59	227.0	75.7	89	121.3
	Nov 2022	464	7.8	635.00	1486	51	133.09	159.8	55.6	63	119.9
	Dec 2022	323	5.3	639.51	1604	118	137.52	154.7	40.1	61	123.9
	Jan 2023	523	8.5	641.80	1666	62	139.43	156.3	65.7	61	125.6
	Feb 2023	527	9.5	641.80	1666	0	140.16	156.6	66.5	61	126.3
	Mar 2023	821	13.3	643.05	1700	34	139.27	194.1	103.0	76	125.5
	Apr 2023	958	16.1	643.00	1699	-2	138.90	249.9	119.9	98	125.1
	May 2023	907	14.8	643.00	1699	0	139.34	255.0	113.9	100	125.5
	Jun 2023	854	14.4	643.00	1699	0	139.48	255.0	107.3	100	125.7
	Jul 2023	795	12.9	642.00	1671	-27	139.50	255.0	99.9	100	125.7
	Aug 2023	737	12.0	642.00	1671	0	139.35	255.0	92.6	100	125.5
	Sep 2023	697	11.7	640.01	1617	-54	138.47	255.0	86.9	100	124.8
WY 2023		8230							1027.0		
	Oct 2023	658	10.7	633.00	1434	-183	134.36	227.0	79.6	89	121.1
	Nov 2023	539	9.1	635.00	1486	51	132.54	159.8	64.3	63	119.4
	Dec 2023	377	6.1	639.51	1604	118	137.11	154.7	46.5	61	123.5
	Jan 2024	514	8.4	641.80	1666	62	139.50	156.3	64.6	61	125.7
	Feb 2024	517	9.0	641.80	1666	0	140.37	156.6	65.4	61	126.5

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

Model Run ID: 3180

Processed On: 3/11/2022 12:41:57PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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
*	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
H	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
I	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
S	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
T	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
O	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
R	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
WY 2021		6393							442.4		
I	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
C	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
A	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
L	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
*	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
	Mar 2022	635	10.3	447.50	571	20	74.70	112.3	41.5	94	65.3
	Apr 2022	711	11.9	447.70	574	4	74.98	120.0	46.7	100	65.8
	May 2022	712	11.6	448.70	593	19	75.57	120.0	47.1	100	66.1
	Jun 2022	716	12.0	448.70	593	0	76.05	120.0	47.7	100	66.6
	Jul 2022	689	11.2	448.00	580	-13	75.71	120.0	45.6	100	66.2
	Aug 2022	620	10.1	447.50	571	-10	75.13	120.0	40.6	100	65.5
	Sep 2022	534	9.0	447.50	570	0	74.89	120.0	34.7	100	65.1
WY 2022		6453							430.2		
	Oct 2022	454	7.4	447.50	571	0	76.09	93.9	29.8	78	65.7
	Nov 2022	332	5.6	447.50	570	0	76.29	90.0	21.5	75	64.8
	Dec 2022	212	3.5	446.50	552	-19	74.77	111.3	13.0	93	61.3
	Jan 2023	314	5.1	446.50	552	0	75.12	93.9	20.0	78	63.6
	Feb 2023	399	7.2	446.50	552	0	75.05	95.2	25.9	79	64.8
	Mar 2023	601	9.8	446.70	555	4	74.01	120.0	38.9	100	64.6
	Apr 2023	705	11.9	448.70	593	38	75.08	120.0	46.4	100	65.8
	May 2023	710	11.5	448.70	593	0	76.05	120.0	47.2	100	66.5
	Jun 2023	713	12.0	448.70	593	0	76.05	120.0	47.5	100	66.6
	Jul 2023	681	11.1	448.00	580	-13	75.71	120.0	45.1	100	66.2
	Aug 2023	622	10.1	447.50	571	-10	75.13	120.0	40.8	100	65.5
	Sep 2023	525	8.8	447.50	570	0	74.89	120.0	34.1	100	65.0
WY 2023		6268							410.1		
	Oct 2023	484	7.9	447.50	571	0	76.24	91.0	31.9	76	66.0
	Nov 2023	367	6.2	447.50	570	0	76.19	92.0	23.9	77	65.1
	Dec 2023	257	4.2	446.50	552	-19	74.73	112.3	16.0	94	62.3
	Jan 2024	307	5.0	446.50	552	0	75.17	92.9	19.6	77	63.6
	Feb 2024	394	6.8	446.50	552	0	75.04	95.4	25.5	79	64.7

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

Model Run ID: 3180

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most Probable Inflow*

Upper Basin Power



— BUREAU OF —
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
*	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
H	Apr 2021	254	19	20	28	17	3
I	May 2021	249	36	24	32	20	3
S	Jun 2021	260	30	20	30	19	3
T	Jul 2021	303	24	27	34	20	3
O	Aug 2021	310	37	25	34	20	3
R	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
I	Oct 2021	183	29	14	22	7	2
C	Nov 2021	189	19	3	6	2	3
A	Dec 2021	226	19	2	5	2	4
L	Jan 2022	252	19	3	5	1	4
*	Feb 2022	201	17	3	4	1	3
	Mar 2022	202	17	5	6	3	3
	Winter 2022	1253	121	31	47	16	19
	Apr 2022	175	17	12	20	11	1
	May 2022	212	47	46	77	23	4
	Jun 2022	246	17	14	23	14	5
	Jul 2022	296	22	22	30	15	5
	Aug 2022	309	37	21	29	15	5
	Sep 2022	237	36	9	28	14	4
	Summer 2022	1475	176	124	206	92	24
	Oct 2022	170	23	0	27	13	4
	Nov 2022	176	17	0	6	4	4
	Dec 2022	209	17	4	6	4	4
	Jan 2023	248	17	4	6	4	4
	Feb 2023	218	16	4	6	3	3
	Mar 2023	227	17	5	7	5	4
	Winter 2023	1248	107	17	58	32	25
	Apr 2023	202	17	8	14	9	2
	May 2023	206	35	16	28	18	5
	Jun 2023	226	60	41	55	22	7
	Jul 2023	278	25	25	31	16	8
	Aug 2023	277	37	24	29	15	6
	Sep 2023	211	36	22	27	14	5
	Summer 2023	912	137	90	128	65	22
	Oct 2023	173	24	21	26	9	5
	Nov 2023	180	28	5	6	4	4
	Dec 2023	216	44	12	15	8	4
	Jan 2024	258	44	12	15	8	4
	Feb 2024	226	41	11	14	7	4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2022 24-Month Study

Most 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 ****										
Mar 2022	1,028	588	853	18274	20743	18674	39417	254	188	306	748	18274	18674	37696	1500	949	0	21.0
Apr 2022	1,009	580	848	18580	21017	18960	39977	231	181	294	706	18580	18960	38245	1500	1012	0	20.6
May 2022	981	576	833	18657	21047	19412	40459	196	174	256	627	18657	19412	38696	1500	1044	0	21.0
Jun 2022	1,003	592	728	17902	20225	19848	40073	211	175	114	500	17902	19848	38250	1500	926	0	21.8
Jul 2022	843	444	681	17214	19182	20126	39308	38	4	13	54	17214	20126	37394	1500	817	0	21.4
								**** CREDITABLE SPACE ****										
Aug 2022	820	437	727	17504	19488	20161	39649	820	437	727	1985	17504	20161	39649	1500	777	0	20.9
Sep 2022	893	455	761	17959	20068	20100	40168	893	455	761	2109	17959	20100	40168	2270	693	0	20.3
Oct 2022	973	490	770	18250	20482	20132	40614	973	490	770	2232	18250	20132	40614	3040	467	0	20.0
Nov 2022	1,000	524	762	18334	20619	20119	40738	1000	524	762	2285	18334	20119	40738	3810	548	0	20.0
Dec 2022	1,007	508	758	18453	20726	20141	40867	1007	508	758	2273	18453	20141	40867	4580	462	0	20.0
Jan 2023	1,029	496	758	18693	20975	19982	40958	1029	496	758	2283	18693	19982	40958	5350	611	0	19.8
								**** EFFECTIVE SPACE ****										
Jan 2023	1,029	496	758	18693	20975	19982	40958	517	352	475	1344	18693	19982	40019	5350	611	0	19.8
Feb 2023	1,044	485	760	19044	21333	19823	41156	529	343	476	1348	19044	19823	40215	1500	546	0	19.7
Mar 2023	1,053	475	752	19287	21567	19674	41242	535	334	468	1336	19287	19674	40298	1500	875	0	19.6
Apr 2023	1,024	453	701	19457	21635	19798	41433	500	314	410	1225	19457	19798	40479	1500	982	0	19.6
May 2023	969	402	634	19345	21349	20127	41476	438	265	320	1023	19345	20127	40494	1500	938	0	20.6
Jun 2023	841	264	509	18371	19985	20453	40437	300	118	157	574	18371	20453	39398	1500	893	0	22.0
Jul 2023	644	169	437	17071	18320	20743	39063	86	5	30	121	17071	20743	37935	1500	803	0	21.8
								**** CREDITABLE SPACE ****										
Aug 2023	575	153	467	17185	18380	20811	39191	575	153	467	1195	17185	20811	39191	1500	771	0	21.4
Sep 2023	632	162	501	17471	18765	20835	39600	632	162	501	1294	17471	20835	39600	2270	672	0	21.0
Oct 2023	708	191	507	17632	19037	20930	39967	708	191	507	1405	17632	20930	39967	3040	501	0	20.7
Nov 2023	736	223	499	17663	19121	20951	40072	736	223	499	1458	17663	20951	40072	3810	623	0	20.6
Dec 2023	775	207	495	17724	19200	21046	40246	775	207	495	1476	17724	21046	40246	4580	515	0	20.5
Jan 2024	874	219	495	17868	19456	20940	40396	874	219	495	1588	17868	20940	40396	5350	602	0	20.4
								**** EFFECTIVE SPACE ****										
Jan 2024	874	219	495	17868	19456	20940	40396	326	219	167	712	17868	20940	39520	5350	602	0	20.4
Feb 2024	966	233	497	18124	19819	20770	40589	418	233	168	819	18124	20770	39713	1500	537	0	20.3

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

Model Run ID: 3180

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