— BUREAU OF —
RECLAMATION

To: All Annual Operating Plan Recipients

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Subject: April 2023 Probable Maximum 24-Month Study

In addition to the April 2023 24-Month Study based on the Most Probable inflow scenario, and in accordance with the Upper Basin Drought Response Operations Agreement (DROA), Reclamation has conducted additional model runs in April to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. Probable minimum and probable maximum model runs are conducted in January, April, August, and October, or when necessary to incorporate changing conditions. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. Additionally, there are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Powell and Lake Mead elevations resulting from these three inflow scenarios are summarized in graphs located at either of the following links:

https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.pdf or
https://www.usbr.gov/lc/region/g4000/24mo/2023/April-Chart.pdf.

The August 2022 24-Month Study projected the January 1, 2023 Lake Powell elevation to be less than 3,525 feet. Consistent with Section 6.D.1 of the Interim Guidelines, Lake Powell's operation in WY 2023 is governed by the Lower Elevation Balancing Tier with an initial projected WY release volume of 7.00 million acre-feet (maf). Based on hydrologic conditions as of April 2023, in which the most probable inflow into Lake Powell is projected to be 11.30 maf (177 percent of average) during the 2023 April-July runoff period, Reclamation has determined that conditions are sufficient to release up to 9.50 maf from Lake Powell in WY 2023 consistent with Section 6.D.1 of the Interim Guidelines. In addition, Reclamation has removed the operational neutrality of the 0.480 maf that was retained in Lake Powell under the May 2022 action,[1] such that balancing releases are based on physical elevations of Lake Powell and Lake Mead, but could be as low as 7.00 maf consistent with the Interim Guidelines and to protect Lake Powell from declining below elevation 3,525 feet at the end of December 2023. Further, Lower Basin projections for Lake Mead take into consideration: updated water orders to reflect additional conservation efforts; new completed system conservation agreements under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program); and updated Lower Basin tributary inflow projections (reflecting current conditions) above Lake Mead, for the Bill Williams and for the Gila River.

The modeling approach for 2024 and beyond will be consistent with the Interim Guidelines, based on projected physical elevations at Lake Powell and Lake Mead, and assume the 0.480 maf retained in Lake Powell under the May 2022 action was released as part of the WY 2023 balancing release only if the release volume is 7.48 maf or greater.

The 2022 Drought Response Operations Agreement (DROA) Plan for May 2022 through April 2023 has been amended to suspend 2022 DROA Plan releases for

[1] For more information: https://www.usbr.gov/uc/DocLibrary/Plans/20220503-2022DROA-GlenCanyonDamOperationsDecisionLetter-508-DOI.pdf.

[2] For more information: https://www.usbr.gov/uc/DocLibrary/Plans/20220429-2022DroughtResponseOperationsPlan-ApprovalMemo-508-DOI.pdf.

the remainder of April 2023. The suspension of 2022 DROA Plan releases occurred on March 7, 2023. A total DROA release of approximately 463 kaf occurred under the 2022 DROA Plan.

Reclamation will attempt to maximize DROA recovery in the Upper Initial Units in WY 2023 and through April 2024. Reclamation will provide monthly DROA accounting, including DROA releases and recovery, which can be found online at:

https://www.usbr.gov/dcp/DROSummarySheet.pdf.

Reclamation continues to consult with the DROA Parties and to consult with the Lower Division States and others in accordance with the DROA on the implementation of the Drought Response Operations Plans and consideration of 2023 DROA Plan.

The WY 2023 unregulated inflow into Lake Powell in the April Probable Maximum inflow scenario is 17.86 maf, or 186% of average. The Probable Maximum 24-Month Study includes a release volume from Glen Canyon Dam of 9.50 maf in WY 2023 and 9.00 maf in WY 2024. Under the Probable Maximum scenario, Lake Powell's physical elevation is projected to be 3,602.99 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 1.326 maf in CY 2023, Lake Mead's physical elevation is projected to be 1,075.31 feet on December 31, 2023.

The 2023 AOP is available online at:
https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP23.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 DROA is online at:
https://www.usbr.gov/dcp/droa.html.
The Upper Basin Hydrology Summary is available online at:
https://www.usbr.gov/uc/water/crsp/studies/24Month_04_ucb.pdf.
Information on the LC Conservation Program is available online at:
https://www.usbr.gov/lc/LCBConservation.html.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	50	1	5	44	49	6478.74	152
H	May 2022	63	1	47	8	55	6479.96	158
I	Jun 2022	241	2	82	0	82	6503.59	315
S	Jul 2022	102	3	83	11	93	6504.34	321
T	Aug 2022	56	2	67	1	68	6502.43	306
O	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
R	Oct 2022	40	1	22	39	61	6494.58	249
I	Nov 2022	33	1	10	48	58	6490.90	224
C	Dec 2022	28	1	56	2	58	6486.14	194
A	Jan 2023	32	1	58	0	59	6481.53	167
L	Feb 2023	28	0	10	43	53	6476.59	141
*	Mar 2023	29	0	55	3	58	6470.02	113
	Apr 2023	81	1	66	0	66	6473.37	127
	May 2023	225	1	100	82	181	6481.92	169
	Jun 2023	456	2	103	232	334	6500.03	289
	Jul 2023	238	3	103	125	228	6501.07	296
	Aug 2023	86	2	92	0	92	6499.94	288
	Sep 2023	51	2	81	0	81	6495.51	256
	WY 2023	**1327**	**15**	**756**	**575**	**1330**		
	Oct 2023	51	1	61	0	61	6493.84	244
	Nov 2023	45	1	65	0	65	6490.78	223
	Dec 2023	34	1	74	0	74	6484.38	183
	Jan 2024	33	1	74	0	74	6476.66	142
	Feb 2024	31	0	69	0	69	6467.64	103
	Mar 2024	64	0	73	0	73	6465.02	94
	Apr 2024	97	1	35	3	37	6478.87	153
	May 2024	224	1	102	77	180	6486.47	196
	Jun 2024	404	2	104	208	311	6499.70	286
	Jul 2024	223	3	102	87	189	6503.88	317
	Aug 2024	80	2	92	0	92	6501.98	303
	Sep 2024	46	2	67	0	67	6498.85	280
	WY 2024	**1332**	**15**	**918**	**375**	**1293**		
	Oct 2024	50	1	61	0	61	6497.10	267
	Nov 2024	45	1	67	0	67	6493.87	244
	Dec 2024	32	1	74	0	74	6487.47	202
	Jan 2025	31	1	74	0	74	6480.02	159
	Feb 2025	29	0	67	0	67	6471.93	120
	Mar 2025	51	0	74	0	74	6466.02	97

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Flaming Gorge Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
H	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
I	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
S	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
T	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
O	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
R	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
I	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
C	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	138
A	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
L	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	371
*	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
	Apr 2023	269	254	4	48	0	48	101	6012.40	2660	361
	May 2023	546	502	7	49	0	49	118	6025.18	3089	1199
	Jun 2023	752	630	10	168	0	168	136	6036.48	3523	1124
	Jul 2023	333	323	15	196	0	196	140	6039.06	3631	377
	Aug 2023	117	123	14	123	0	123	139	6038.75	3618	169
	Sep 2023	63	93	12	119	0	119	138	6037.88	3582	143
	WY 2023	**2308**	**2311**	**79**	**1289**	**5**	**1294**				**4418**
	Oct 2023	61	71	8	135	0	135	135	6036.22	3513	167
	Nov 2023	55	75	4	140	0	140	133	6034.61	3447	171
	Dec 2023	37	77	2	191	0	191	128	6031.82	3336	215
	Jan 2024	45	86	2	191	0	191	124	6029.17	3233	216
	Feb 2024	50	88	2	178	0	178	120	6026.73	3144	204
	Mar 2024	120	129	3	101	0	101	121	6027.42	3169	184
	Apr 2024	146	86	5	98	0	98	121	6027.00	3154	344
	May 2024	318	274	7	233	0	233	122	6027.89	3186	852
	Jun 2024	525	432	10	283	38	321	126	6030.47	3283	867
	Jul 2024	270	236	14	75	0	75	132	6034.06	3425	210
	Aug 2024	92	104	13	99	0	99	131	6033.86	3417	126
	Sep 2024	56	77	12	104	0	104	130	6032.94	3380	126
	WY 2024	**1775**	**1736**	**82**	**1826**	**38**	**1864**				**3680**
	Oct 2024	62	73	8	111	0	111	128	6031.85	3337	149
	Nov 2024	55	77	4	115	0	115	127	6030.83	3297	152
	Dec 2024	34	76	2	148	0	148	124	6028.99	3226	173
	Jan 2025	42	85	2	148	0	148	121	6027.30	3164	173
	Feb 2025	43	81	2	133	0	133	119	6025.82	3112	158
	Mar 2025	85	108	3	65	0	65	121	6026.89	3150	139

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Taylor Park Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2022	8	6	9302.92	59
H	May 2022	27	12	9312.55	74
I	Jun 2022	26	19	9316.61	81
S	Jul 2022	11	15	9314.18	77
T	Aug 2022	8	14	9310.35	70
O	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
R	Oct 2022	6	6	9308.80	68
I	Nov 2022	4	5	9308.13	67
C	Dec 2022	5	5	9307.68	66
A	Jan 2023	4	5	9307.08	65
L	Feb 2023	4	5	9306.26	64
*	Mar 2023	4	5	9305.50	63
	Apr 2023	9	18	9299.13	54
	May 2023	43	27	9310.05	70
	Jun 2023	70	36	9328.89	104
	Jul 2023	29	33	9326.88	100
	Aug 2023	13	24	9321.11	89
	Sep 2023	9	18	9316.16	80
	WY 2023	**200**	**188**		
	Oct 2023	7	9	9314.99	78
	Nov 2023	5	6	9314.43	77
	Dec 2023	5	6	9313.75	76
	Jan 2024	5	6	9313.06	75
	Feb 2024	4	6	9312.12	73
	Mar 2024	5	6	9311.41	72
	Apr 2024	10	12	9310.17	70
	May 2024	30	21	9315.60	79
	Jun 2024	51	27	9328.49	103
	Jul 2024	24	27	9326.98	100
	Aug 2024	11	24	9320.12	87
	Sep 2024	8	18	9314.43	77
	WY 2024	**165**	**168**		
	Oct 2024	8	9	9313.84	76
	Nov 2024	5	6	9313.27	75
	Dec 2024	4	6	9311.97	73
	Jan 2025	5	6	9311.26	72
	Feb 2025	4	6	9310.30	70
	Mar 2025	5	6	9309.57	69

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Blue Mesa Reservoir

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2022	62	60	0	44	0	46	7438.94	252
H	May 2022	177	162	1	79	0	79	7454.56	335
I	Jun 2022	133	126	1	69	0	69	7463.76	391
S	Jul 2022	59	63	1	84	0	84	7460.15	368
T	Aug 2022	57	64	1	89	0	89	7455.69	341
O	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
R	Oct 2022	32	32	0	0	58	58	7441.74	266
I	Nov 2022	26	27	0	1	10	11	7444.87	282
C	Dec 2022	24	25	0	6	10	17	7446.44	290
A	Jan 2023	24	25	0	20	0	20	7447.43	295
L	Feb 2023	20	21	0	20	0	20	7447.61	296
*	Mar 2023	25	26	0	19	0	19	7448.79	303
	Apr 2023	79	88	1	36	0	36	7457.87	354
	May 2023	349	333	1	136	0	136	7486.41	550
	Jun 2023	520	486	1	203	36	239	7515.82	795
	Jul 2023	171	175	2	213	35	248	7507.34	720
	Aug 2023	93	104	1	90	0	90	7508.87	734
	Sep 2023	49	58	1	27	62	89	7505.10	701
	WY 2023	**1412**	**1400**	**8**	**771**	**212**	**983**		
	Oct 2023	40	42	1	68	0	68	7501.92	674
	Nov 2023	31	32	0	49	0	49	7499.80	657
	Dec 2023	26	27	0	86	0	86	7492.49	597
	Jan 2024	25	26	0	87	0	87	7484.57	536
	Feb 2024	23	25	0	81	0	81	7476.82	479
	Mar 2024	41	42	0	88	0	88	7470.18	433
	Apr 2024	93	95	1	82	0	82	7472.05	445
	May 2024	247	238	1	95	0	95	7491.19	587
	Jun 2024	335	311	1	156	0	156	7509.63	740
	Jul 2024	140	143	2	97	0	97	7514.64	785
	Aug 2024	69	82	1	110	0	110	7511.35	755
	Sep 2024	41	51	1	108	0	108	7504.64	697
	WY 2024	**1111**	**1114**	**9**	**1109**	**0**	**1109**		
	Oct 2024	40	41	1	99	0	99	7497.66	639
	Nov 2024	33	34	0	36	0	36	7497.39	637
	Dec 2024	26	28	0	61	0	61	7493.24	603
	Jan 2025	25	26	0	49	0	49	7490.28	580
	Feb 2025	23	25	0	44	0	44	7487.74	560
	Mar 2025	38	39	0	50	0	50	7486.33	549

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Morrow Point Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2022	65	46	3	50	47	0	47	7153.31	112
H	May 2022	186	79	9	88	89	0	89	7152.08	111
I	Jun 2022	134	69	1	70	71	0	71	7150.86	110
S	Jul 2022	60	84	1	85	84	0	84	7152.31	111
T	Aug 2022	58	89	1	90	90	0	90	7152.25	111
O	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
R	Oct 2022	33	58	1	59	60	0	60	7156.10	114
I	Nov 2022	27	11	1	12	21	0	21	7143.98	104
C	Dec 2022	26	17	2	18	20	0	20	7141.82	103
A	Jan 2023	26	20	2	21	20	0	20	7144.03	105
L	Feb 2023	21	20	1	21	18	0	18	7148.07	108
*	Mar 2023	26	19	2	21	19	0	19	7149.91	109
	Apr 2023	85	36	6	42	39	0	39	7153.73	112
	May 2023	387	136	38	174	174	0	174	7153.73	112
	Jun 2023	551	239	31	270	270	0	270	7153.72	112
	Jul 2023	177	248	6	254	254	0	254	7153.73	112
	Aug 2023	95	90	2	92	91	0	91	7153.73	112
	Sep 2023	51	89	2	91	91	0	91	7153.73	112
	WY 2023	**1505**	**983**	**93**	**1076**	**1079**	**0**	**1079**		
	Oct 2023	42	68	2	70	70	0	70	7153.73	112
	Nov 2023	33	49	2	51	51	0	51	7153.73	112
	Dec 2023	28	86	2	88	88	0	88	7153.73	112
	Jan 2024	26	87	1	88	88	0	88	7153.73	112
	Feb 2024	25	81	2	83	83	0	83	7153.73	112
	Mar 2024	43	88	2	90	90	0	90	7153.73	112
	Apr 2024	105	82	12	94	94	0	94	7153.73	112
	May 2024	274	95	27	122	122	0	122	7153.73	112
	Jun 2024	358	156	23	179	179	0	179	7153.72	112
	Jul 2024	147	97	7	104	104	0	104	7153.73	112
	Aug 2024	71	110	2	112	112	0	112	7153.73	112
	Sep 2024	43	108	2	110	110	0	110	7153.73	112
	WY 2024	**1195**	**1109**	**84**	**1193**	**1193**	**0**	**1193**		
	Oct 2024	42	99	2	101	101	0	101	7153.73	112
	Nov 2024	34	36	1	37	37	0	37	7153.73	112
	Dec 2024	27	61	1	62	62	0	62	7153.73	112
	Jan 2025	26	49	1	50	50	0	50	7153.73	112
	Feb 2025	25	44	2	46	46	0	46	7153.73	112
	Mar 2025	40	50	2	52	52	0	52	7153.73	112

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Crystal Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
H	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
I	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
S	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
T	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
O	Sep 2022	33	78	2	80	69	12	80	6750.17	16	62	22
	WY 2022	**755**	**614**	**70**	**684**	**622**	**62**	**684**			**393**	**295**
R	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
I	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
C	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
A	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
L	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
*	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
	Apr 2023	98	39	13	52	0	51	51	6753.04	17	42	9
	May 2023	439	174	52	226	134	92	226	6753.04	17	62	164
	Jun 2023	623	270	72	342	130	212	342	6753.03	17	61	281
	Jul 2023	190	254	13	267	134	133	267	6753.04	17	65	202
	Aug 2023	105	91	10	101	101	0	101	6753.04	17	65	36
	Sep 2023	58	91	7	98	98	0	98	6753.04	17	55	43
	WY 2023	**1687**	**1079**	**181**	**1260**	**720**	**539**	**1259**			**398**	**862**
	Oct 2023	48	70	6	76	52	24	76	6753.04	17	55	21
	Nov 2023	38	51	5	56	56	0	56	6753.04	17	0	56
	Dec 2023	32	88	4	92	92	0	92	6753.04	17	0	92
	Jan 2024	30	88	4	92	92	0	92	6753.04	17	0	92
	Feb 2024	28	83	3	86	86	0	86	6753.04	17	0	86
	Mar 2024	50	90	7	97	97	0	97	6753.04	17	5	92
	Apr 2024	117	94	12	106	106	0	106	6753.04	17	42	64
	May 2024	308	122	34	156	134	22	156	6753.04	17	62	94
	Jun 2024	398	179	40	219	130	89	219	6753.03	17	61	158
	Jul 2024	163	104	16	120	120	0	120	6753.04	17	65	55
	Aug 2024	79	112	8	120	120	0	120	6753.04	17	65	55
	Sep 2024	49	110	6	116	116	0	116	6753.04	17	55	61
	WY 2024	**1340**	**1193**	**145**	**1338**	**1202**	**136**	**1337**			**410**	**927**
	Oct 2024	48	101	6	107	56	50	107	6753.04	17	55	52
	Nov 2024	39	37	5	42	42	0	42	6753.04	17	0	42
	Dec 2024	32	62	5	67	67	0	67	6753.04	17	0	67
	Jan 2025	31	50	5	55	55	0	55	6753.04	17	0	55
	Feb 2025	29	46	4	50	50	0	50	6753.04	17	0	50
	Mar 2025	46	52	6	58	58	0	58	6753.04	17	5	53

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	27	2	7644.01	73
H	May 2022	53	33	7652.10	92
I	Jun 2022	26	34	7648.50	83
S	Jul 2022	19	32	7642.57	70
T	Aug 2022	18	28	7637.64	59
O	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
R	Oct 2022	14	3	7635.84	56
I	Nov 2022	7	0	7639.00	62
C	Dec 2022	5	0	7641.15	67
A	Jan 2023	5	0	7643.44	72
L	Feb 2023	4	1	7644.74	75
*	Mar 2023	6	35	7630.44	46
	Apr 2023	23	29	7626.54	39
	May 2023	110	81	7641.36	67
	Jun 2023	125	70	7663.72	122
	Jul 2023	47	48	7662.97	120
	Aug 2023	29	38	7659.45	111
	Sep 2023	26	30	7657.91	107
	WY 2023	**402**	**338**		
	Oct 2023	17	17	7657.74	106
	Nov 2023	9	6	7659.03	110
	Dec 2023	6	6	7659.03	110
	Jan 2024	6	6	7659.12	110
	Feb 2024	5	5	7659.12	110
	Mar 2024	11	2	7662.52	119
	Apr 2024	28	13	7667.80	133
	May 2024	78	78	7667.77	133
	Jun 2024	84	83	7667.76	133
	Jul 2024	33	43	7664.03	123
	Aug 2024	20	38	7657.11	105
	Sep 2024	19	29	7652.89	94
	WY 2024	**316**	**325**		
	Oct 2024	15	16	7652.21	93
	Nov 2024	10	2	7655.46	101
	Dec 2024	7	2	7657.46	106
	Jan 2025	6	2	7659.04	110
	Feb 2025	5	2	7660.27	113
	Mar 2025	10	2	7663.27	121

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Navajo Reservoir

	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Apr 2022	123	17	84	2	17	20	6023.53	898	44
H	May 2022	167	30	114	3	38	18	6029.39	954	104
I	Jun 2022	47	7	50	3	37	24	6027.89	939	61
S	Jul 2022	44	5	54	3	39	35	6025.41	916	55
T	Aug 2022	53	5	56	3	38	30	6023.95	902	49
O	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**595**
R	Oct 2022	44	2	32	1	5	33	6019.84	865	51
I	Nov 2022	23	0	16	1	0	19	6019.52	862	37
C	Dec 2022	17	0	13	0	0	22	6018.45	852	37
A	Jan 2023	20	0	15	0	0	20	6017.85	847	34
L	Feb 2023	18	0	15	1	1	17	6017.38	843	30
*	Mar 2023	71	0	98	1	3	18	6025.86	920	46
	Apr 2023	185	24	167	2	19	18	6038.78	1048	78
	May 2023	460	56	375	3	33	275	6044.77	1112	515
	Jun 2023	400	53	292	4	48	239	6044.92	1114	539
	Jul 2023	125	15	111	4	52	20	6048.06	1149	140
	Aug 2023	71	6	74	3	44	18	6048.75	1157	76
	Sep 2023	67	5	65	3	24	18	6050.55	1177	61
	WY 2023	**1502**	**162**	**1273**	**23**	**230**	**716**			**1644**
	Oct 2023	47	3	44	2	9	18	6051.80	1192	48
	Nov 2023	31	1	27	1	0	18	6052.46	1200	36
	Dec 2023	23	0	23	1	0	18	6052.77	1204	33
	Jan 2024	21	0	21	1	0	22	6052.64	1202	35
	Feb 2024	31	1	30	1	0	20	6053.37	1211	32
	Mar 2024	102	12	81	2	6	22	6057.67	1263	48
	Apr 2024	185	24	146	3	21	27	6065.06	1358	88
	May 2024	307	42	264	4	36	300	6059.27	1283	458
	Jun 2024	272	37	234	4	52	255	6053.04	1207	441
	Jul 2024	71	7	74	4	55	27	6052.01	1195	106
	Aug 2024	48	3	62	3	46	22	6051.26	1186	61
	Sep 2024	48	3	55	3	25	21	6051.81	1192	54
	WY 2024	**1186**	**135**	**1060**	**26**	**250**	**769**			**1439**
	Oct 2024	48	2	48	2	9	22	6053.17	1208	49
	Nov 2024	35	1	26	1	0	21	6053.52	1213	41
	Dec 2024	24	0	19	1	0	22	6053.23	1209	37
	Jan 2025	22	0	18	1	0	22	6052.86	1205	35
	Feb 2025	29	1	25	1	0	19	6053.23	1209	31
	Mar 2025	92	10	74	2	5	22	6056.96	1254	45

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	594	490	12	502	0	502	3522.77	4517	5791	510
H	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
I	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
S	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
T	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
O	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7066**
R	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
I	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
C	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
A	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
L	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
*	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
	Apr 2023	1645	1253	11	910	0	910	3527.38	4508	5683	925
	May 2023	5062	4257	16	1088	0	1088	3571.11	4742	8602	1100
	Jun 2023	5821	4896	36	1118	0	1118	3611.54	5019	12067	1126
	Jul 2023	1772	1674	52	1190	0	1190	3615.62	5051	12467	1203
	Aug 2023	769	769	52	1130	0	1130	3611.73	5020	12085	1151
	Sep 2023	523	600	46	1069	0	1069	3606.71	4982	11608	1084
	WY 2023	**17864**	**16048**	**273**	**9500**	**0**	**9500**				**9653**
	Oct 2023	516	602	31	643	0	643	3606.00	4977	11541	658
	Nov 2023	456	547	30	642	0	642	3604.75	4968	11425	653
	Dec 2023	354	564	24	715	0	715	3602.99	4955	11263	725
	Jan 2024	364	572	7	857	0	857	3600.02	4933	10993	869
	Feb 2024	398	575	8	758	0	758	3598.05	4919	10816	768
	Mar 2024	660	625	13	801	0	801	3596.07	4905	10641	825
	Apr 2024	1106	934	21	713	0	713	3598.17	4920	10827	726
	May 2024	2555	2389	26	710	0	710	3614.52	5042	12357	715
	Jun 2024	3265	2954	48	745	0	745	3633.44	5202	14358	750
	Jul 2024	1366	1145	62	842	0	842	3635.42	5220	14581	855
	Aug 2024	520	591	62	900	0	900	3632.37	5193	14238	912
	Sep 2024	427	543	56	674	0	674	3630.81	5179	14065	687
	WY 2024	**11987**	**12042**	**388**	**9000**	**0**	**9000**				**9143**
	Oct 2024	515	606	39	643	0	643	3630.17	5173	13995	659
	Nov 2024	503	552	37	642	0	642	3629.10	5164	13878	647
	Dec 2024	361	508	29	715	0	715	3627.09	5146	13658	718
	Jan 2025	350	480	9	857	0	857	3623.73	5118	13301	861
	Feb 2025	397	500	10	758	0	758	3621.37	5098	13053	769
	Mar 2025	614	551	16	801	0	801	3618.98	5078	12806	815

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

Model Run ID: 3223

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
H	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
I	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
S	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
T	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
O	Sep 2022	547	117	48	539	9.1	21	545	476	1045.03	7328
	WY 2022	**6999**	**787**	**463**	**8899**		**222**	**8888**			
R	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
I	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
C	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
A	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
L	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
*	Mar 2023	486	226	23	754	12.3	10	749	481	1046.03	7399
	Apr 2023	910	219	31	837	14.1	22	837	495	1049.17	7623
	May 2023	1088	175	39	983	16.0	28	983	508	1051.92	7822
	Jun 2023	1118	102	49	847	14.2	33	847	526	1055.63	8095
	Jul 2023	1190	70	48	805	13.1	33	805	549	1060.30	8446
	Aug 2023	1130	110	53	748	12.2	32	748	574	1065.27	8828
	Sep 2023	1069	81	53	681	11.4	25	681	598	1069.93	9194
	WY 2023	**9500**	**1307**	**458**	**8131**		**231**	**8143**			
	Oct 2023	643	79	51	453	7.4	17	453	610	1072.30	9383
	Nov 2023	642	60	45	615	10.3	9	615	612	1072.69	9415
	Dec 2023	715	55	37	499	8.1	9	499	626	1075.31	9626
	Jan 2024	857	62	26	588	9.6	14	588	643	1078.64	9899
	Feb 2024	758	54	24	592	10.3	10	592	655	1080.75	10073
	Mar 2024	801	127	26	900	14.6	19	900	654	1080.56	10057
	Apr 2024	713	68	36	1038	17.5	21	1038	635	1076.98	9762
	May 2024	710	29	44	1024	16.7	27	1024	613	1072.85	9427
	Jun 2024	745	24	54	883	14.8	37	883	600	1070.44	9234
	Jul 2024	842	69	51	762	12.4	43	762	604	1071.08	9286
	Aug 2024	900	65	56	724	11.8	45	724	612	1072.72	9417
	Sep 2024	674	69	55	666	11.2	40	666	611	1072.53	9401
	WY 2024	**9000**	**761**	**505**	**8745**		**290**	**8745**			
	Oct 2024	643	77	52	476	7.7	32	476	621	1074.39	9551
	Nov 2024	642	63	46	578	9.7	18	578	625	1075.12	9611
	Dec 2024	715	72	37	510	8.3	12	510	639	1077.74	9825
	Jan 2025	857	75	26	617	10.0	14	617	655	1080.87	10083
	Feb 2025	758	71	24	621	11.2	10	621	666	1082.82	10246
	Mar 2025	801	97	27	928	15.1	19	928	661	1081.97	10175

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

Model Run ID: 3223

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	1027	-31	13	975	0	975	16.4	643.08	1701
H	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
I	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
S	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
T	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
O	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-222**	**151**	**8495**	**0**	**8495**			
R	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
I	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
C	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
A	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
L	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
*	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
	Apr 2023	837	-14	13	843	0	843	14.2	643.00	1699
	May 2023	983	-13	14	956	0	956	15.6	643.00	1699
	Jun 2023	847	-21	14	812	0	812	13.6	643.00	1699
	Jul 2023	805	-21	12	799	0	799	13.0	642.00	1671
	Aug 2023	748	-17	15	716	0	716	11.6	642.00	1671
	Sep 2023	681	-6	16	713	0	713	12.0	640.01	1617
	WY 2023	**8131**	**-127**	**152**	**7812**	**0**	**7829**			
	Oct 2023	453	-11	14	611	0	611	9.9	633.00	1434
	Nov 2023	615	-16	13	535	0	535	9.0	635.00	1486
	Dec 2023	499	-2	13	367	0	367	6.0	639.51	1604
	Jan 2024	588	-11	9	507	0	507	8.2	641.80	1666
	Feb 2024	592	-13	8	572	0	572	9.9	641.80	1666
	Mar 2024	900	-10	10	845	0	845	13.7	643.05	1700
	Apr 2024	1038	-14	13	1014	0	1014	17.0	643.00	1699
	May 2024	1024	-13	14	997	0	997	16.2	643.00	1699
	Jun 2024	883	-21	14	849	0	849	14.3	643.00	1699
	Jul 2024	762	-21	12	756	0	756	12.3	642.00	1671
	Aug 2024	724	-17	15	692	0	692	11.3	642.00	1671
	Sep 2024	666	-6	16	697	0	697	11.7	640.01	1617
	WY 2024	**8745**	**-154**	**151**	**8440**	**0**	**8440**			
	Oct 2024	476	-11	14	634	0	634	10.3	633.00	1434
	Nov 2024	578	-16	13	498	0	498	8.4	635.00	1486
	Dec 2024	510	-2	13	377	0	377	6.1	639.51	1604
	Jan 2025	617	-11	9	535	0	535	8.7	641.80	1666
	Feb 2025	621	-13	8	600	0	600	10.8	641.80	1666
	Mar 2025	928	-10	10	873	0	873	14.2	643.05	1700

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Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
H	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
I	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
S	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
T	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
O	Sep 2022	617	15	15	458	7.7	103	52	447.96	579	108	1.8
	WY 2022	**8495**	**176**	**140**	**6231**		**1117**	**1112**			**1499**	
R	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
I	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
C	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
A	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
L	Feb 2023	444	2	8	370	6.7	16	40	447.47	570	130	2.3
*	Mar 2023	705	40	9	553	9.0	70	91	448.31	586	168	2.7
	Apr 2023	843	44	11	659	11.1	55	167	447.50	570	153	2.6
	May 2023	956	42	13	720	11.7	71	164	448.50	589	125	2.0
	Jun 2023	812	48	16	691	11.6	71	66	448.70	593	128	2.1
	Jul 2023	799	17	17	708	11.5	71	21	448.00	580	130	2.1
	Aug 2023	716	19	17	625	10.2	71	20	447.50	571	103	1.7
	Sep 2023	713	12	15	542	9.1	71	86	447.50	570	100	1.7
	WY 2023	**7829**	**281**	**140**	**6135**		**861**	**892**			**1403**	
	Oct 2023	611	21	12	466	7.6	71	74	447.50	571	68	1.1
	Nov 2023	535	14	9	383	6.4	66	85	447.50	570	84	1.4
	Dec 2023	367	17	7	281	4.6	66	45	446.50	552	84	1.4
	Jan 2024	507	7	6	316	5.1	56	129	446.50	552	142	2.3
	Feb 2024	572	4	8	414	7.2	8	140	446.50	552	127	2.2
	Mar 2024	845	2	9	612	10.0	56	157	446.70	555	151	2.5
	Apr 2024	1014	7	11	731	12.3	56	174	448.70	593	151	2.5
	May 2024	997	4	13	737	12.0	56	183	448.70	593	113	1.8
	Jun 2024	849	10	16	717	12.1	56	58	448.70	593	119	2.0
	Jul 2024	756	17	17	689	11.2	56	13	448.00	580	126	2.1
	Aug 2024	692	19	17	624	10.1	56	13	447.50	571	104	1.7
	Sep 2024	697	12	15	536	9.0	56	92	447.50	570	102	1.7
	WY 2024	**8440**	**134**	**139**	**6506**		**657**	**1163**			**1373**	
	Oct 2024	634	21	12	484	7.9	56	95	447.50	571	91	1.5
	Nov 2024	498	14	9	378	6.4	56	63	447.50	570	118	2.0
	Dec 2024	377	17	7	273	4.4	56	72	446.50	552	113	1.8
	Jan 2025	535	7	6	316	5.1	84	129	446.50	552	142	2.3
	Feb 2025	600	4	8	414	7.5	36	140	446.50	552	127	2.3
	Mar 2025	873	2	9	612	10.0	84	157	446.70	555	151	2.5

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
H	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
I	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
S	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
T	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
O	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
R	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
I	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
C	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
A	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
L	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
*	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
	Apr 2023	837	14.1	1049.17	7623	224	397.72	839.3	306.6	65	366.3
	May 2023	983	16.0	1051.92	7822	199	400.28	904.6	360.5	72	366.5
	Jun 2023	847	14.2	1055.63	8095	273	402.83	1095.4	312.7	78	369.2
	Jul 2023	805	13.1	1060.30	8446	351	405.98	1303.9	295.8	91	367.4
	Aug 2023	748	12.2	1065.27	8828	381	410.41	1429.9	275.3	97	368.0
	Sep 2023	681	11.4	1069.93	9194	367	415.54	1485.1	251.9	100	369.7
	WY 2023	**8131**							**2946.2**		
	Oct 2023	453	7.4	1072.30	9383	189	425.30	919.7	172.1	62	380.1
	Nov 2023	615	10.3	1072.69	9415	31	428.96	917.0	238.7	62	388.4
	Dec 2023	499	8.1	1075.31	9626	211	427.66	1029.1	192.5	69	385.4
	Jan 2024	588	9.6	1078.64	9899	273	428.37	1053.1	225.1	69	382.6
	Feb 2024	592	10.3	1080.75	10073	174	430.32	1065.6	229.7	69	387.9
	Mar 2024	900	14.6	1080.56	10057	-16	429.54	1254.3	349.2	81	388.1
	Apr 2024	1038	17.5	1076.98	9762	-295	425.29	1512.4	397.4	100	382.7
	May 2024	1024	16.7	1072.85	9427	-335	421.48	1477.3	385.9	100	376.7
	Jun 2024	883	14.8	1070.44	9234	-192	418.24	1479.8	331.2	100	375.0
	Jul 2024	762	12.4	1071.08	9286	51	417.70	1474.0	286.0	100	375.1
	Aug 2024	724	11.8	1072.72	9417	131	419.15	1476.3	270.9	100	374.2
	Sep 2024	666	11.2	1072.53	9401	-16	420.52	1472.5	248.4	100	373.0
	WY 2024	**8745**							**3327.1**		
	Oct 2024	476	7.7	1074.39	9551	150	425.97	1159.2	181.5	78	381.0
	Nov 2024	578	9.7	1075.12	9611	59	429.98	1103.7	221.9	74	383.8
	Dec 2024	510	8.3	1077.74	9825	214	428.19	1309.2	196.2	86	384.8
	Jan 2025	617	10.0	1080.87	10083	258	430.57	1081.1	238.4	70	386.6
	Feb 2025	621	11.2	1082.82	10246	163	432.34	1093.2	240.8	70	387.9
	Mar 2025	928	15.1	1081.97	10175	-71	430.70	1345.1	361.5	87	389.5

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

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Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
H	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
I	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
S	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
T	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
O	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
R	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
I	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
C	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
A	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
L	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
*	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
	Apr 2023	843	14.2	643.00	1699	-32	140.13	255.0	106.4	100	126.2
	May 2023	956	15.6	643.00	1699	0	139.06	248.4	119.8	97	125.3
	Jun 2023	812	13.6	643.00	1699	0	139.73	255.0	102.2	100	125.9
	Jul 2023	799	13.0	642.00	1671	-27	139.47	255.0	100.4	100	125.7
	Aug 2023	716	11.6	642.00	1671	0	139.48	255.0	90.0	100	125.7
	Sep 2023	713	12.0	640.01	1617	-54	138.36	255.0	88.8	100	124.7
	WY 2023	**7812**							**985.3**		
	Oct 2023	611	9.9	633.00	1434	-183	134.68	227.0	74.1	89	121.3
	Nov 2023	535	9.0	635.00	1486	51	132.57	159.8	63.8	63	119.4
	Dec 2023	367	6.0	639.51	1604	118	137.19	154.7	45.3	61	123.6
	Jan 2024	507	8.2	641.80	1666	62	139.55	156.3	63.7	61	125.7
	Feb 2024	572	9.9	641.80	1666	0	139.97	160.0	72.1	63	126.1
	Mar 2024	845	13.7	643.05	1700	34	139.12	194.1	105.9	76	125.3
	Apr 2024	1014	17.0	643.00	1699	-2	138.59	249.9	126.6	98	124.9
	May 2024	997	16.2	643.00	1699	0	138.83	255.0	124.7	100	125.1
	Jun 2024	849	14.3	643.00	1699	0	139.51	255.0	106.7	100	125.7
	Jul 2024	756	12.3	642.00	1671	-27	139.73	255.0	95.2	100	125.9
	Aug 2024	692	11.3	642.00	1671	0	139.64	255.0	87.1	100	125.8
	Sep 2024	697	11.7	640.01	1617	-54	138.47	255.0	87.0	100	124.7
	WY 2024	**8440**							**1052.2**		
	Oct 2024	634	10.3	633.00	1434	-183	134.52	227.0	76.9	89	121.2
	Nov 2024	498	8.4	635.00	1486	51	132.84	159.8	59.6	63	119.7
	Dec 2024	377	6.1	639.51	1604	118	137.10	154.7	46.6	61	123.5
	Jan 2025	535	8.7	641.80	1666	62	139.35	156.3	67.2	61	125.5
	Feb 2025	600	10.8	641.80	1666	0	139.61	156.6	75.5	61	125.8
	Mar 2025	873	14.2	643.05	1700	34	138.95	194.1	109.3	76	125.2

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum 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 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
H	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
I	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
S	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
T	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
O	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
R	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
I	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
C	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
A	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
L	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
*	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
	Apr 2023	659	11.1	447.50	570	-15	78.36	120.0	46.2	100	70.0
	May 2023	720	11.7	448.50	589	19	78.20	120.0	50.2	100	69.7
	Jun 2023	691	11.6	448.70	593	4	78.84	120.0	48.5	100	70.2
	Jul 2023	708	11.5	448.00	580	-13	78.63	120.0	49.3	100	69.7
	Aug 2023	625	10.2	447.50	571	-10	78.56	120.0	43.4	100	69.4
	Sep 2023	542	9.1	447.50	570	0	78.77	120.0	37.5	100	69.3
	WY 2023	**6121**							**425.0**		
	Oct 2023	466	7.6	447.50	571	0	79.46	91.0	32.8	76	70.3
	Nov 2023	383	6.4	447.50	570	0	80.01	92.0	26.3	77	68.6
	Dec 2023	281	4.6	446.50	552	-19	80.49	112.3	17.8	94	63.5
	Jan 2024	316	5.1	446.50	552	0	79.67	92.9	21.1	77	66.8
	Feb 2024	414	7.2	446.50	552	0	78.64	96.2	28.6	80	69.1
	Mar 2024	612	10.0	446.70	555	4	77.50	120.0	42.0	100	68.6
	Apr 2024	731	12.3	448.70	593	38	77.69	120.0	50.7	100	69.4
	May 2024	737	12.0	448.70	593	0	78.80	120.0	51.7	100	70.2
	Jun 2024	717	12.1	448.70	593	0	78.77	120.0	50.3	100	70.2
	Jul 2024	689	11.2	448.00	580	-13	78.75	120.0	48.1	100	69.8
	Aug 2024	624	10.1	447.50	571	-10	78.57	120.0	43.3	100	69.4
	Sep 2024	536	9.0	447.50	570	0	78.81	120.0	37.1	100	69.3
	WY 2024	**6506**							**450.0**		
	Oct 2024	484	7.9	447.50	571	0	79.32	90.0	34.0	75	70.1
	Nov 2024	378	6.4	447.50	570	0	80.05	92.0	25.9	77	68.6
	Dec 2024	273	4.4	446.50	552	-19	80.56	114.2	17.3	95	63.6
	Jan 2025	316	5.1	446.50	552	0	79.67	92.9	21.1	77	66.8
	Feb 2025	414	7.5	446.50	552	0	78.51	95.4	28.6	79	69.0
	Mar 2025	612	10.0	446.70	555	4	77.50	120.0	42.0	100	68.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Upper Basin Power

— BUREAU OF — RECLAMATION

	Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	Apr 2022	179	19	11	15	10	0
H	May 2022	214	52	20	31	18	3
I	Jun 2022	222	41	18	25	16	6
S	Jul 2022	251	29	23	29	17	7
T	Aug 2022	265	39	23	31	18	6
O	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
R	Oct 2022	175	42	0	21	10	2
I	Nov 2022	181	38	0	6	2	1
C	Dec 2022	199	40	1	6	2	4
A	Jan 2023	182	41	4	5	2	4
L	Feb 2023	172	37	5	6	0	1
*	Mar 2023	173	23	4	6	0	3
	Winter 2023	**1083**	**220**	**15**	**49**	**16**	**15**
	Apr 2023	318	16	9	14	0	4
	May 2023	405	16	38	63	23	6
	Jun 2023	458	57	62	97	22	7
	Jul 2023	511	67	66	92	23	8
	Aug 2023	485	42	28	33	18	7
	Sep 2023	455	41	8	33	17	6
	Summer 2023	**2633**	**239**	**212**	**332**	**103**	**37**
	Oct 2023	273	46	21	25	9	4
	Nov 2023	271	48	15	18	10	5
	Dec 2023	301	65	26	32	16	5
	Jan 2024	359	65	26	32	16	5
	Feb 2024	316	60	23	30	15	4
	Mar 2024	332	34	25	32	17	4
	Winter 2024	**1852**	**318**	**136**	**170**	**82**	**26**
	Apr 2024	295	33	23	34	18	2
	May 2024	299	79	27	44	23	6
	Jun 2024	326	96	47	65	22	7
	Jul 2024	376	25	30	37	21	8
	Aug 2024	401	34	34	40	21	7
	Sep 2024	299	36	33	40	20	5
	Summer 2024	**1997**	**302**	**196**	**260**	**125**	**36**
	Oct 2024	285	38	30	36	10	5
	Nov 2024	284	39	11	13	7	5
	Dec 2024	315	50	18	23	12	5
	Jan 2025	376	50	15	18	10	5
	Feb 2025	330	45	13	17	9	4
	Mar 2025	347	22	14	19	10	4
	Winter 2025	**1936**	**244**	**101**	**125**	**57**	**27**

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Maximum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions

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 2023	1,433	522	728	17939	20622	20221	40843	1433	459	394	2286	17939	20221	40446	1500	837	0	20.0
May 2023	1,224	470	600	17631	19925	19997	39922	1218	416	245	1879	17631	19997	39506	1500	983	0	23.8
Jun 2023	752	275	536	14712	16275	19798	36072	721	203	145	1069	14712	19798	35578	1500	847	0	28.4
Jul 2023	199	29	534	11247	12010	19525	31535	137	-77	91	151	11247	19525	30923	1500	805	0	29.2
								****CREDITABLE SPACE****										
Aug 2023	83	104	499	10847	11533	19174	30707	83	104	499	687	10847	19174	30707	1500	748	0	29.2
Sep 2023	105	91	491	11229	11916	18792	30709	105	91	491	687	11229	18792	30709	2270	681	0	28.9
Oct 2023	173	124	470	11706	12473	18426	30899	173	124	470	767	11706	18426	30899	3040	453	0	28.8
Nov 2023	254	150	456	11773	12633	18237	30869	254	150	456	860	11773	18237	30869	3810	615	0	28.6
Dec 2023	340	168	448	11888	12845	18205	31050	340	168	448	956	11888	18205	31050	4580	499	0	28.6
Jan 2024	492	227	444	12051	13214	17994	31208	492	227	444	1164	12051	17994	31208	5350	588	0	28.4
								****EFFECTIVE SPACE****										
Jan 2024	492	227	444	12051	13214	17994	31208	278	217	178	673	12051	17994	30718	5350	588	0	28.4
Feb 2024	636	289	446	12321	13691	17721	31412	424	279	179	882	12321	17721	30924	1500	592	0	28.3
Mar 2024	763	346	437	12497	14043	17547	31590	552	337	169	1059	12497	17547	31103	1500	900	0	28.1
Apr 2024	748	392	385	12673	14197	17563	31760	533	384	110	1027	12673	17563	31262	1500	1038	0	28.2
May 2024	704	379	290	12487	13860	17858	31718	485	373	-9	848	12487	17858	31193	1500	1024	0	29.5
Jun 2024	629	238	365	10957	12188	18193	30381	399	221	26	647	10957	18193	29797	1500	883	0	31.6
Jul 2024	441	85	441	8956	9923	18386	28308	195	43	47	285	8956	18386	27626	1500	762	0	32.1
								****CREDITABLE SPACE****										
Aug 2024	268	40	453	8733	9494	18334	27829	268	40	453	762	8733	18334	27829	1500	724	0	31.8
Sep 2024	291	69	462	9076	9898	18203	28101	291	69	462	822	9076	18203	28101	2270	666	0	31.4
Oct 2024	351	128	456	9249	10183	18219	28402	351	128	456	934	9249	18219	28402	3040	476	0	31.2
Nov 2024	407	186	440	9319	10351	18069	28420	407	186	440	1032	9319	18069	28420	3810	578	0	31.1
Dec 2024	469	188	435	9436	10529	18009	28538	469	188	435	1092	9436	18009	28538	4580	510	0	31.1
Jan 2025	582	221	439	9655	10898	17795	28693	582	221	439	1243	9655	17795	28693	5350	617	0	30.9
								****EFFECTIVE SPACE****										
Jan 2025	582	221	439	9655	10898	17795	28693	279	203	206	688	9655	17795	28138	5350	617	0	30.9
Feb 2025	688	245	443	10013	11389	17537	28926	384	227	210	822	10013	17537	28372	1500	621	0	30.7
Mar 2025	778	265	439	10261	11743	17374	29117	474	248	205	928	10261	17374	28563	1500	928	0	30.5

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

Model Run ID: 3223

Processed On: 4/13/2023 4:02:18PM