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RECLAMATION

To: All Annual Operating Plan Recipients

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Subject: May 2023 Probable Minimum 24-Month Study

In addition to the May 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 an additional model run in May to determine a possible range of reservoir elevations. The April Probable Maximum inflow, along with the May Probable Minimum inflow, was used to determine the range of probable outcomes. 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/May-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 Water Year (WY) 2023 is governed by the Lower Elevation Balancing Tier with an initial projected water year release volume of 7.00 million acre-feet (maf). Based on hydrologic conditions in April 2023, in which the most probable inflow into Lake Powell was projected to be 11.30 maf (177% 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, 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. 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 the projected end of water year physical contents of Lake Powell and Lake Mead. 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 DROA Plan for May 2022 through April 2023 has been amended to suspend 2022 DROA Plan releases for the remainder of April 2023. The suspension of 2022 DROA Plan releases occurred on March 7, 2023. A total DROA release of approximately 463 thousand acre-feet occurred under the 2022 DROA Plan.

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

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 Minimum inflow scenario is 12.81 maf, or 133% of average. The Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 8.91 maf in WY 2023 and 7.48 maf in WY 2024. Under the Probable Minimum scenario, Lake Powell's physical elevation is projected to be 3,565.83 feet on December 31, 2023. With intervening flows between Lake Powell and Lake Mead of 1.256 maf in calendar year (CY) 2023, Lake Mead's physical elevation is projected to be 1,061.32 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_05_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

May 2023 24-Month Study

Minimum Probable Inflow*

Fontenelle Reservoir

	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)
*	May 2022	63	1	47	8	55	6479.96	158
H	Jun 2022	241	2	82	0	82	6503.59	315
I	Jul 2022	102	3	83	11	93	6504.34	321
S	Aug 2022	56	2	67	1	68	6502.43	306
T	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
O	Oct 2022	40	1	22	39	61	6494.58	249
R	Nov 2022	33	1	10	48	58	6490.90	224
I	Dec 2022	28	1	56	2	58	6486.14	194
C	Jan 2023	32	1	58	0	59	6481.53	167
A	Feb 2023	28	0	10	43	53	6476.59	141
L	Mar 2023	29	0	55	3	58	6470.02	113
*	Apr 2023	75	1	61	0	61	6473.29	126
	May 2023	167	1	76	0	76	6489.64	216
	Jun 2023	233	2	104	60	165	6499.14	282
	Jul 2023	125	3	104	9	113	6500.45	292
	Aug 2023	51	2	68	0	68	6497.89	273
	Sep 2023	51	2	65	0	65	6495.68	257
	WY 2023	**892**	**15**	**688**	**206**	**894**		
	Oct 2023	39	1	55	0	55	6493.17	240
	Nov 2023	39	1	57	0	57	6490.38	221
	Dec 2023	32	1	61	0	61	6485.65	191
	Jan 2024	29	1	61	0	61	6479.83	158
	Feb 2024	27	0	58	0	58	6473.36	127
	Mar 2024	43	0	59	0	59	6469.35	110
	Apr 2024	65	1	27	0	27	6477.85	148
	May 2024	116	1	90	0	90	6482.47	172
	Jun 2024	201	2	89	0	89	6499.09	282
	Jul 2024	90	3	82	0	82	6499.88	287
	Aug 2024	42	2	61	0	61	6496.91	266
	Sep 2024	32	2	60	0	60	6492.74	237
	WY 2024	**755**	**14**	**761**	**0**	**761**		
	Oct 2024	40	1	61	0	61	6489.36	214
	Nov 2024	39	1	58	0	58	6486.29	195
	Dec 2024	32	1	58	0	58	6481.68	168
	Jan 2025	31	1	58	0	58	6476.24	140
	Feb 2025	29	0	53	0	53	6470.73	115
	Mar 2025	51	0	56	0	56	6469.31	110
	Apr 2025	77	1	38	1	39	6477.72	147

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum 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)
*	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
H	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
I	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
S	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
T	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
O	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
R	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
I	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	138
C	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
A	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	135
L	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
*	Apr 2023	188	181	4	48	0	48	98	6010.17	2589	407
	May 2023	266	175	7	49	0	49	103	6013.77	2704	884
	Jun 2023	314	246	9	85	0	85	109	6018.22	2850	669
	Jul 2023	133	121	12	63	0	63	110	6019.53	2894	175
	Aug 2023	55	72	11	95	0	95	109	6018.54	2861	124
	Sep 2023	55	69	10	98	0	98	108	6017.42	2824	121
	WY 2023	**1239**	**1248**	**69**	**1024**	**5**	**1029**				**3189**
	Oct 2023	44	60	6	71	0	71	107	6016.92	2807	93
	Nov 2023	46	64	3	63	0	63	107	6016.87	2805	91
	Dec 2023	33	62	2	71	0	71	107	6016.59	2796	96
	Jan 2024	40	72	2	71	0	71	107	6016.59	2796	96
	Feb 2024	42	73	2	66	0	66	107	6016.72	2801	91
	Mar 2024	68	84	3	49	0	49	108	6017.66	2832	114
	Apr 2024	91	53	4	48	0	48	108	6017.69	2833	213
	May 2024	165	139	7	92	0	92	110	6018.86	2872	504
	Jun 2024	249	137	9	48	0	48	113	6021.14	2949	274
	Jul 2024	92	84	12	55	0	55	113	6021.59	2965	71
	Aug 2024	45	64	11	60	0	60	113	6021.40	2958	71
	Sep 2024	34	62	10	60	0	60	113	6021.18	2950	67
	WY 2024	**949**	**955**	**71**	**752**	**0**	**752**				**1779**
	Oct 2024	45	66	7	53	0	53	113	6021.38	2957	71
	Nov 2024	47	66	3	48	0	48	114	6021.81	2972	73
	Dec 2024	34	60	2	49	0	49	114	6022.08	2981	74
	Jan 2025	42	69	2	49	0	49	115	6022.59	2999	74
	Feb 2025	43	67	2	44	0	44	115	6023.16	3019	69
	Mar 2025	85	90	3	49	0	49	117	6024.22	3056	123
	Apr 2025	111	73	5	48	0	48	118	6024.80	3076	251

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir

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	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2022	27	12	9312.55	74
H	Jun 2022	26	19	9316.61	81
I	Jul 2022	11	15	9314.18	77
S	Aug 2022	8	14	9310.35	70
T	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
O	Oct 2022	6	6	9308.80	68
R	Nov 2022	4	5	9308.13	67
I	Dec 2022	5	5	9307.68	66
C	Jan 2023	4	5	9307.08	65
A	Feb 2023	4	5	9306.26	64
L	Mar 2023	4	5	9305.50	63
*	Apr 2023	7	9	9304.30	61
	May 2023	28	15	9312.66	74
	Jun 2023	44	18	9327.00	100
	Jul 2023	19	24	9324.43	95
	Aug 2023	9	18	9319.60	86
	Sep 2023	8	18	9313.86	76
	WY 2023	**142**	**134**		
	Oct 2023	6	9	9312.05	73
	Nov 2023	4	5	9311.41	72
	Dec 2023	4	5	9310.64	71
	Jan 2024	4	5	9309.88	70
	Feb 2024	4	5	9309.38	69
	Mar 2024	4	5	9308.61	68
	Apr 2024	8	4	9311.13	72
	May 2024	23	9	9319.32	86
	Jun 2024	28	15	9326.23	99
	Jul 2024	9	18	9321.51	90
	Aug 2024	7	15	9317.07	82
	Sep 2024	6	15	9311.75	73
	WY 2024	**107**	**111**		
	Oct 2024	6	6	9311.75	73
	Nov 2024	5	5	9311.72	73
	Dec 2024	4	5	9310.95	71
	Jan 2025	5	5	9310.82	71
	Feb 2025	4	5	9310.32	70
	Mar 2025	5	5	9310.20	70
	Apr 2025	9	9	9310.20	70

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum 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)
*	May 2022	177	162	1	79	0	79	7454.56	335
H	Jun 2022	133	126	1	69	0	69	7463.76	391
I	Jul 2022	59	63	1	84	0	84	7460.15	368
S	Aug 2022	57	64	1	89	0	89	7455.69	341
T	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
O	Oct 2022	32	32	0	0	58	58	7441.74	266
R	Nov 2022	26	27	0	1	10	11	7444.87	282
I	Dec 2022	24	25	0	6	10	17	7446.44	290
C	Jan 2023	24	25	0	20	0	20	7447.43	295
A	Feb 2023	20	21	0	20	0	20	7447.61	296
L	Mar 2023	25	26	0	19	0	19	7448.79	303
*	Apr 2023	77	79	1	23	0	23	7458.56	358
	May 2023	230	217	1	168	0	168	7466.22	406
	Jun 2023	329	303	1	47	0	47	7500.40	662
	Jul 2023	119	124	1	86	0	86	7504.80	698
	Aug 2023	67	76	1	91	0	91	7502.95	683
	Sep 2023	58	68	1	27	59	85	7500.78	665
	WY 2023	**1032**	**1024**	**7**	**507**	**137**	**643**		
	Oct 2023	32	35	1	70	0	70	7496.48	629
	Nov 2023	29	30	0	43	0	43	7494.91	617
	Dec 2023	25	26	0	62	0	62	7490.43	581
	Jan 2024	24	25	0	43	0	43	7488.09	563
	Feb 2024	23	24	0	41	0	41	7485.81	545
	Mar 2024	35	36	0	47	0	47	7484.32	534
	Apr 2024	64	60	1	64	0	64	7483.65	529
	May 2024	159	145	1	86	0	86	7491.20	587
	Jun 2024	165	152	1	54	0	54	7503.07	684
	Jul 2024	53	62	1	82	0	82	7500.47	662
	Aug 2024	42	50	1	80	0	80	7496.66	631
	Sep 2024	28	37	1	74	0	74	7491.89	593
	WY 2024	**679**	**683**	**8**	**746**	**0**	**746**		
	Oct 2024	31	31	1	57	0	57	7488.57	567
	Nov 2024	29	29	0	15	0	15	7490.36	580
	Dec 2024	26	27	0	25	0	25	7490.65	583
	Jan 2025	25	25	0	25	0	25	7490.68	583
	Feb 2025	23	24	0	22	0	22	7490.91	585
	Mar 2025	38	38	0	28	0	28	7492.20	595
	Apr 2025	78	78	1	42	0	42	7496.53	630

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum 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)
*	May 2022	186	79	9	88	89	0	89	7152.08	111
H	Jun 2022	134	69	1	70	71	0	71	7150.86	110
I	Jul 2022	60	84	1	85	84	0	84	7152.31	111
S	Aug 2022	58	89	1	90	90	0	90	7152.25	111
T	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
O	Oct 2022	33	58	1	59	60	0	60	7156.10	114
R	Nov 2022	27	11	1	12	21	0	21	7143.98	104
I	Dec 2022	26	17	2	18	20	0	20	7141.82	103
C	Jan 2023	26	20	2	21	20	0	20	7144.03	105
A	Feb 2023	21	20	1	21	18	0	18	7148.07	108
L	Mar 2023	26	19	2	21	19	0	19	7149.91	109
*	Apr 2023	85	23	8	31	30	0	30	7151.54	110
	May 2023	250	168	20	188	186	0	186	7153.73	112
	Jun 2023	344	47	15	62	62	0	62	7153.72	112
	Jul 2023	125	86	6	92	91	0	91	7153.73	112
	Aug 2023	69	91	2	93	92	0	92	7153.73	112
	Sep 2023	59	85	1	86	86	0	86	7153.73	112
	WY 2023	**1092**	**643**	**60**	**703**	**706**	**0**	**706**		
	Oct 2023	33	70	1	71	71	0	71	7153.73	112
	Nov 2023	31	43	2	45	45	0	45	7153.73	112
	Dec 2023	27	62	2	64	64	0	64	7153.73	112
	Jan 2024	26	43	2	45	45	0	45	7153.73	112
	Feb 2024	25	41	2	43	43	0	43	7153.73	112
	Mar 2024	37	47	2	49	49	0	49	7153.73	112
	Apr 2024	72	64	8	72	72	0	72	7153.73	112
	May 2024	176	86	17	103	103	0	103	7153.73	112
	Jun 2024	173	54	8	62	62	0	62	7153.72	112
	Jul 2024	54	82	1	83	83	0	83	7153.73	112
	Aug 2024	43	80	1	81	81	0	81	7153.73	112
	Sep 2024	30	74	2	76	76	0	76	7153.73	112
	WY 2024	**727**	**746**	**48**	**794**	**793**	**0**	**793**		
	Oct 2024	33	57	2	59	58	0	58	7153.73	112
	Nov 2024	30	15	1	16	16	0	16	7153.73	112
	Dec 2024	27	25	1	26	26	0	26	7153.73	112
	Jan 2025	26	25	1	26	26	0	26	7153.73	112
	Feb 2025	25	22	2	24	24	0	24	7153.73	112
	Mar 2025	40	28	2	30	30	0	30	7153.73	112
	Apr 2025	89	42	11	53	53	0	53	7153.73	112

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Crystal Reservoir

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	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)
*	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
H	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
I	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
S	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
T	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**
O	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
R	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
I	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
C	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
A	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
L	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
*	Apr 2023	97	30	12	42	20	21	41	6752.29	17	19	22
	May 2023	291	186	41	227	134	93	227	6753.04	17	62	165
	Jun 2023	385	62	41	103	102	0	102	6753.03	17	61	41
	Jul 2023	132	91	7	98	98	0	98	6753.04	17	65	33
	Aug 2023	75	92	6	98	98	0	98	6753.04	17	65	33
	Sep 2023	65	86	6	92	92	0	92	6753.04	17	55	37
	WY 2023	**1219**	**706**	**127**	**833**	**668**	**164**	**832**			**375**	**457**
	Oct 2023	38	71	5	76	52	24	76	6753.04	17	55	21
	Nov 2023	35	45	4	49	48	0	48	6753.04	17	0	48
	Dec 2023	31	64	4	68	68	0	68	6753.04	17	0	68
	Jan 2024	30	45	4	49	49	0	49	6753.04	17	0	49
	Feb 2024	28	43	3	46	46	0	46	6753.04	17	0	46
	Mar 2024	42	49	5	54	54	0	54	6753.04	17	5	49
	Apr 2024	82	72	10	82	82	0	82	6753.04	17	42	40
	May 2024	195	103	19	122	122	0	122	6753.04	17	62	60
	Jun 2024	190	62	17	79	79	0	79	6753.03	17	61	18
	Jul 2024	57	83	3	86	86	0	86	6753.04	17	65	21
	Aug 2024	48	81	5	86	86	0	86	6753.04	17	65	21
	Sep 2024	34	76	4	80	80	0	80	6753.04	17	55	25
	WY 2024	**810**	**793**	**83**	**876**	**853**	**24**	**876**			**410**	**466**
	Oct 2024	38	58	5	63	56	7	63	6753.04	17	55	8
	Nov 2024	35	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2024	32	26	5	31	31	0	31	6753.04	17	0	31
	Jan 2025	31	26	5	31	31	0	31	6753.04	17	0	31
	Feb 2025	29	24	4	28	28	0	28	6753.04	17	0	28
	Mar 2025	46	30	6	36	36	0	36	6753.04	17	5	31
	Apr 2025	100	53	11	64	64	0	64	6753.04	17	42	22

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

Model Run ID: 3225

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Vallecito Reservoir

BUREAU OF RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2022	53	33	7652.10	92
H	Jun 2022	26	34	7648.50	83
I	Jul 2022	19	32	7642.57	70
S	Aug 2022	18	28	7637.64	59
T	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
O	Oct 2022	14	3	7635.84	56
R	Nov 2022	7	0	7639.00	62
I	Dec 2022	5	0	7641.15	67
C	Jan 2023	5	0	7643.44	72
A	Feb 2023	5	2	7644.74	75
L	Mar 2023	7	36	7630.44	46
*	Apr 2023	36	45	7625.05	36
	May 2023	90	46	7647.01	80
	Jun 2023	85	43	7663.59	122
	Jul 2023	19	42	7654.68	99
	Aug 2023	13	38	7644.09	73
	Sep 2023	12	30	7635.62	55
	WY 2023	**298**	**285**		
	Oct 2023	10	17	7631.75	48
	Nov 2023	8	2	7634.98	54
	Dec 2023	6	2	7637.04	58
	Jan 2024	6	2	7639.03	62
	Feb 2024	5	2	7640.53	66
	Mar 2024	8	2	7643.27	72
	Apr 2024	20	2	7650.97	90
	May 2024	56	31	7660.58	114
	Jun 2024	40	43	7659.33	111
	Jul 2024	13	41	7647.63	82
	Aug 2024	12	38	7635.60	55
	Sep 2024	11	29	7625.22	37
	WY 2024	**195**	**210**		
	Oct 2024	10	16	7620.76	30
	Nov 2024	8	2	7624.93	36
	Dec 2024	7	2	7628.06	42
	Jan 2025	6	2	7630.41	46
	Feb 2025	5	2	7632.21	49
	Mar 2025	10	2	7636.36	57
	Apr 2025	23	2	7646.06	78

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

Model Run ID: 3225

Processed On: 5/10/2023 12:54:24PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Navajo Reservoir

— BUREAU OF —
RECLAMATION

	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	May 2022	167	30	114	3	38	18	6029.39	954	104
H	Jun 2022	47	7	50	3	37	24	6027.89	939	61
I	Jul 2022	44	5	54	3	39	35	6025.41	916	55
S	Aug 2022	53	5	56	3	38	30	6023.95	902	49
T	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**595**
O	Oct 2022	44	2	32	1	5	33	6019.84	865	51
R	Nov 2022	23	0	16	1	0	19	6019.52	862	37
I	Dec 2022	17	0	13	0	0	22	6018.45	852	37
C	Jan 2023	20	0	15	0	0	20	6017.85	847	34
A	Feb 2023	18	0	15	1	1	17	6017.38	843	31
L	Mar 2023	71	0	98	1	3	18	6025.86	920	45
*	Apr 2023	245	24	235	2	8	21	6045.83	1124	109
	May 2023	400	49	307	3	33	140	6056.96	1254	335
	Jun 2023	230	31	157	4	48	176	6051.02	1183	391
	Jul 2023	30	2	51	4	52	22	6048.65	1156	81
	Aug 2023	20	0	45	3	44	53	6043.69	1100	83
	Sep 2023	19	0	37	2	24	46	6040.35	1064	71
	WY 2023	**1138**	**108**	**1020**	**23**	**218**	**586**			**1305**
	Oct 2023	25	0	32	1	9	24	6040.05	1061	41
	Nov 2023	29	1	22	1	0	18	6040.37	1064	34
	Dec 2023	24	0	19	1	0	18	6040.41	1065	32
	Jan 2024	24	0	20	1	0	21	6040.23	1063	34
	Feb 2024	27	1	23	1	0	18	6040.66	1068	30
	Mar 2024	74	7	60	1	6	22	6043.63	1099	40
	Apr 2024	110	13	79	2	21	21	6046.76	1134	61
	May 2024	190	25	140	3	36	22	6053.65	1214	134
	Jun 2024	102	12	93	4	52	22	6054.94	1230	121
	Jul 2024	9	0	37	4	55	49	6048.90	1158	79
	Aug 2024	2	0	28	3	46	44	6042.97	1092	66
	Sep 2024	13	0	31	2	25	36	6039.94	1060	55
	WY 2024	**629**	**59**	**585**	**24**	**250**	**315**			**727**
	Oct 2024	21	2	26	1	9	21	6039.40	1054	40
	Nov 2024	24	1	17	1	0	21	6038.95	1050	37
	Dec 2024	24	0	19	1	0	19	6038.84	1048	34
	Jan 2025	22	0	18	1	0	19	6038.70	1047	32
	Feb 2025	29	1	25	1	0	18	6039.26	1053	30
	Mar 2025	92	10	74	1	5	22	6043.53	1098	45
	Apr 2025	147	18	107	2	21	21	6049.20	1162	72

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Lake Powell

BUREAU OF RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
H	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
I	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
S	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
T	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7066**
O	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
R	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
I	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
C	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
A	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
L	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
*	Apr 2023	1399	1103	10	819	90	909	3524.99	4497	5544	931
	May 2023	3417	2959	14	1088	0	1088	3552.45	4635	7263	1090
	Jun 2023	3588	3101	29	1064	0	1064	3577.84	4783	9123	1061
	Jul 2023	1196	1138	39	1000	0	1000	3579.00	4791	9215	1003
	Aug 2023	520	661	38	1082	0	1082	3573.56	4757	8789	1097
	Sep 2023	416	537	34	776	0	776	3570.24	4737	8536	790
	WY 2023	**12807**	**12098**	**225**	**8825**	**90**	**8915**				**9038**
	Oct 2023	350	424	23	480	0	480	3569.26	4731	8463	492
	Nov 2023	429	449	23	500	0	500	3568.35	4725	8394	512
	Dec 2023	347	416	18	600	0	600	3565.83	4710	8208	616
	Jan 2024	333	380	5	723	0	723	3561.38	4685	7885	741
	Feb 2024	378	412	5	639	0	639	3558.34	4667	7670	654
	Mar 2024	564	518	9	675	0	675	3556.14	4655	7516	686
	Apr 2024	716	618	14	601	0	601	3556.17	4655	7518	610
	May 2024	1552	1298	18	599	0	599	3565.03	4706	8149	602
	Jun 2024	1570	1241	30	628	0	628	3572.25	4749	8688	632
	Jul 2024	298	386	36	709	0	709	3567.83	4722	8356	715
	Aug 2024	211	353	35	758	0	758	3562.26	4690	7948	773
	Sep 2024	226	346	31	568	0	568	3558.96	4671	7714	582
	WY 2024	**6974**	**6839**	**248**	**7480**	**0**	**7480**				**7615**
	Oct 2024	338	382	21	480	0	480	3557.38	4662	7603	496
	Nov 2024	407	391	21	500	0	500	3555.66	4652	7483	505
	Dec 2024	361	370	16	600	0	600	3552.33	4634	7255	603
	Jan 2025	350	354	5	723	0	723	3547.15	4606	6909	727
	Feb 2025	397	387	5	639	0	639	3543.50	4587	6672	650
	Mar 2025	614	513	8	675	0	675	3541.03	4575	6514	689
	Apr 2025	920	734	13	601	0	601	3542.78	4584	6626	618

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
H	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
I	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
S	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
T	Sep 2022	547	117	48	539	9.1	21	545	476	1045.03	7328
	WY 2022	**6999**	**787**	**463**	**8899**		**222**	**8888**			
O	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
R	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
I	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
C	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
A	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
L	Mar 2023	486	226	23	754	12.3	10	749	481	1046.03	7399
*	Apr 2023	909	243	31	831	14.0	12	830	498	1049.69	7661
	May 2023	1088	177	40	965	15.7	28	965	512	1052.70	7880
	Jun 2023	1064	72	49	866	14.5	33	866	524	1055.10	8056
	Jul 2023	1000	19	48	818	13.3	33	818	531	1056.62	8169
	Aug 2023	1082	79	52	762	12.4	32	762	550	1060.54	8464
	Sep 2023	776	75	52	698	11.7	25	698	555	1061.49	8536
	WY 2023	**8915**	**1215**	**455**	**8167**		**221**	**8179**			
	Oct 2023	480	65	49	480	7.8	17	480	555	1061.48	8535
	Nov 2023	500	66	43	618	10.4	9	618	548	1060.19	8437
	Dec 2023	600	85	35	550	8.9	9	550	554	1061.32	8524
	Jan 2024	723	96	24	607	9.9	10	607	565	1063.50	8691
	Feb 2024	639	80	23	580	10.1	7	580	572	1064.83	8794
	Mar 2024	675	58	25	911	14.8	14	911	558	1062.20	8591
	Apr 2024	601	48	33	1043	17.5	15	1043	531	1056.71	8175
	May 2024	599	15	40	1026	16.7	19	1026	503	1050.69	7733
	Jun 2024	628	23	48	909	15.3	27	909	482	1046.32	7420
	Jul 2024	709	31	45	801	13.0	31	801	474	1044.50	7291
	Aug 2024	758	79	49	763	12.4	32	763	473	1044.41	7284
	Sep 2024	568	77	48	685	11.5	28	685	466	1042.86	7176
	WY 2024	**7480**	**723**	**461**	**8974**		**217**	**8974**			
	Oct 2024	480	77	45	498	8.1	23	498	466	1042.74	7168
	Nov 2024	500	63	39	603	10.1	13	603	460	1041.50	7081
	Dec 2024	600	72	32	536	8.7	9	536	466	1042.80	7172
	Jan 2025	723	75	22	587	9.6	10	587	477	1045.19	7339
	Feb 2025	639	71	21	573	10.3	7	573	484	1046.62	7441
	Mar 2025	675	97	22	889	14.5	14	889	474	1044.58	7297
	Apr 2025	601	60	30	1019	17.1	15	1019	450	1039.13	6918

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

Model Run ID: 3225

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Davis Dam - Lake Mohave

BUREAU OF RECLAMATION

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
H	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
I	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
S	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
T	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-222**	**151**	**8495**	**0**	**8495**			
O	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
R	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
I	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
C	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
A	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
L	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
*	Apr 2023	831	-10	13	844	0	844	14.2	642.84	1694
	May 2023	965	-13	14	933	0	933	15.2	643.00	1699
	Jun 2023	866	-21	14	831	0	831	14.0	643.00	1699
	Jul 2023	818	-21	12	811	0	811	13.2	642.00	1671
	Aug 2023	762	-17	15	730	0	730	11.9	642.00	1671
	Sep 2023	698	-6	16	729	0	729	12.3	640.01	1617
	WY 2023	**8167**	**-124**	**151**	**7851**	**0**	**7869**			
	Oct 2023	480	-11	14	638	0	638	10.4	633.00	1434
	Nov 2023	618	-16	13	538	0	538	9.0	635.00	1486
	Dec 2023	550	-2	13	417	0	417	6.8	639.51	1604
	Jan 2024	607	-11	9	525	0	525	8.5	641.80	1666
	Feb 2024	580	-13	8	559	0	559	9.7	641.80	1666
	Mar 2024	911	-10	10	857	0	857	13.9	643.05	1700
	Apr 2024	1043	-14	13	1018	0	1018	17.1	643.00	1699
	May 2024	1026	-13	14	998	0	998	16.2	643.00	1699
	Jun 2024	909	-21	14	875	0	875	14.7	643.00	1699
	Jul 2024	801	-21	12	795	0	795	12.9	642.00	1671
	Aug 2024	763	-17	15	731	0	731	11.9	642.00	1671
	Sep 2024	685	-6	16	716	0	716	12.0	640.01	1617
	WY 2024	**8974**	**-154**	**151**	**8668**	**0**	**8668**			
	Oct 2024	498	-11	14	656	0	656	10.7	633.00	1434
	Nov 2024	603	-16	13	523	0	523	8.8	635.00	1486
	Dec 2024	536	-2	13	403	0	403	6.6	639.51	1604
	Jan 2025	587	-11	9	506	0	506	8.2	641.80	1666
	Feb 2025	573	-13	8	553	0	553	10.0	641.80	1666
	Mar 2025	889	-10	10	834	0	834	13.6	643.05	1700
	Apr 2025	1019	-14	13	995	0	995	16.7	643.00	1699

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
H	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
I	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
S	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
T	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**	
O	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
R	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
I	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
C	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
A	Feb 2023	444	1	8	370	6.7	16	40	447.47	570	130	2.3
L	Mar 2023	705	41	9	553	9.0	70	91	448.31	586	168	2.7
*	Apr 2023	844	52	11	669	11.2	49	169	447.68	574	153	2.6
	May 2023	933	20	13	680	11.1	68	175	448.00	580	127	2.1
	Jun 2023	831	24	15	693	11.6	67	68	448.00	580	130	2.2
	Jul 2023	811	17	17	708	11.5	71	21	448.00	580	130	2.1
	Aug 2023	730	19	17	625	10.2	85	20	447.50	571	103	1.7
	Sep 2023	729	12	15	548	9.2	92	86	447.50	570	96	1.6
	WY 2023	**7869**	**242**	**139**	**6112**		**882**	**908**			**1404**	
	Oct 2023	638	21	12	487	7.9	106	67	447.50	571	68	1.1
	Nov 2023	538	14	9	349	5.9	103	70	447.50	571	84	1.4
	Dec 2023	417	17	7	247	4.0	106	73	446.50	552	84	1.4
	Jan 2024	525	7	6	313	5.1	106	101	446.50	552	138	2.2
	Feb 2024	559	4	8	411	7.1	29	109	446.50	552	124	2.2
	Mar 2024	857	2	9	608	9.9	106	123	446.70	555	147	2.4
	Apr 2024	1018	7	11	727	12.2	103	136	448.70	593	147	2.5
	May 2024	998	4	13	734	11.9	100	143	448.70	593	110	1.8
	Jun 2024	875	10	16	714	12.0	98	45	448.70	593	116	2.0
	Jul 2024	795	17	17	686	11.2	100	10	448.00	580	123	2.0
	Aug 2024	731	19	17	621	10.1	100	10	447.50	571	102	1.7
	Sep 2024	716	12	15	533	9.0	98	72	447.50	570	99	1.7
	WY 2024	**8668**	**134**	**139**	**6429**		**1156**	**960**			**1342**	
	Oct 2024	656	21	12	482	7.8	100	74	447.50	571	89	1.4
	Nov 2024	523	14	9	375	6.3	98	49	447.50	571	115	1.9
	Dec 2024	403	17	7	270	4.4	100	57	446.50	552	110	1.8
	Jan 2025	506	7	6	305	5.0	106	89	446.50	552	132	2.1
	Feb 2025	553	4	8	404	7.3	42	96	446.50	552	118	2.1
	Mar 2025	834	2	9	600	9.8	106	109	446.70	555	140	2.3
	Apr 2025	995	7	11	718	12.1	103	120	448.70	593	140	2.4

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

Model Run ID: 3225

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
H	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
I	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
S	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
T	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
O	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
R	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
I	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
C	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
A	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
L	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
*	Apr 2023	831	14.0	1049.69	7661	262	402.80	839.3	300.5	65	361.7
	May 2023	965	15.7	1052.70	7880	219	401.05	986.6	353.8	71	366.8
	Jun 2023	866	14.5	1055.10	8056	176	403.00	1080.0	314.9	78	363.7
	Jul 2023	818	13.3	1056.62	8169	113	403.93	1267.5	299.2	90	366.0
	Aug 2023	762	12.4	1060.54	8464	295	406.26	1386.0	277.9	97	364.8
	Sep 2023	698	11.7	1061.49	8536	73	409.02	1438.5	254.6	100	364.9
	WY 2023	**8167**							**2944.4**		
	Oct 2023	480	7.8	1061.48	8535	-1	415.69	902.6	180.0	63	374.8
	Nov 2023	618	10.4	1060.19	8437	-98	417.33	897.0	234.0	63	378.4
	Dec 2023	550	8.9	1061.32	8524	86	413.88	1071.4	201.4	75	366.2
	Jan 2024	607	9.9	1063.50	8691	167	413.88	1004.0	225.4	69	371.6
	Feb 2024	580	10.1	1064.83	8794	103	414.88	1010.4	216.6	69	373.5
	Mar 2024	911	14.8	1062.20	8591	-203	412.52	1175.8	340.0	81	373.0
	Apr 2024	1043	17.5	1056.71	8175	-415	406.16	1405.0	380.4	100	364.7
	May 2024	1026	16.7	1050.69	7733	-443	400.48	1387.3	365.8	100	356.5
	Jun 2024	909	15.3	1046.32	7420	-313	395.34	1359.3	321.8	100	353.9
	Jul 2024	801	13.0	1044.50	7291	-129	392.61	1347.6	282.5	100	352.8
	Aug 2024	763	12.4	1044.41	7284	-7	391.99	1347.1	267.5	100	350.6
	Sep 2024	685	11.5	1042.86	7176	-109	391.82	1337.1	238.2	100	347.7
	WY 2024	**8974**							**3253.5**		
	Oct 2024	498	8.1	1042.74	7168	-8	395.55	1043.9	177.5	78	356.7
	Nov 2024	603	10.1	1041.50	7081	-87	397.58	983.8	215.3	74	356.9
	Dec 2024	536	8.7	1042.80	7172	91	394.20	1157.0	185.5	86	346.3
	Jan 2025	587	9.6	1045.19	7339	167	395.50	949.7	207.4	70	353.2
	Feb 2025	573	10.3	1046.62	7441	102	396.64	956.6	204.7	70	357.2
	Mar 2025	889	14.5	1044.58	7297	-144	394.22	1171.2	319.4	87	359.3
	Apr 2025	1019	17.1	1039.13	6918	-379	390.09	1144.9	356.3	87	349.6

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Davis Dam - Lake Mohave

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
H	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
I	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
S	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
T	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
O	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
R	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
I	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
C	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
A	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
L	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
*	Apr 2023	844	14.2	642.84	1694	-36	138.90	255.0	108.3	100	128.3
	May 2023	933	15.2	643.00	1699	4	139.11	255.0	116.9	100	125.3
	Jun 2023	831	14.0	643.00	1699	0	139.61	255.0	104.5	100	125.8
	Jul 2023	811	13.2	642.00	1671	-27	139.40	255.0	101.9	100	125.6
	Aug 2023	730	11.9	642.00	1671	0	139.40	255.0	91.6	100	125.6
	Sep 2023	729	12.3	640.01	1617	-54	138.25	255.0	90.8	100	124.6
	WY 2023	**7851**							**991.7**		
	Oct 2023	638	10.4	633.00	1434	-183	134.49	227.0	77.3	89	121.2
	Nov 2023	538	9.0	635.00	1486	51	132.54	159.8	64.3	63	119.4
	Dec 2023	417	6.8	639.51	1604	118	136.80	154.7	51.4	61	123.2
	Jan 2024	525	8.5	641.80	1666	62	139.42	156.3	65.9	61	125.6
	Feb 2024	559	9.7	641.80	1666	0	140.06	160.0	70.6	63	126.2
	Mar 2024	857	13.9	643.05	1700	34	139.05	194.1	107.3	76	125.3
	Apr 2024	1018	17.1	643.00	1699	-2	138.56	249.9	127.1	98	124.8
	May 2024	998	16.2	643.00	1699	0	138.83	255.0	124.9	100	125.1
	Jun 2024	875	14.7	643.00	1699	0	139.36	255.0	109.8	100	125.6
	Jul 2024	795	12.9	642.00	1671	-27	139.50	255.0	99.9	100	125.7
	Aug 2024	731	11.9	642.00	1671	0	139.39	255.0	91.8	100	125.6
	Sep 2024	716	12.0	640.01	1617	-54	138.34	255.0	89.3	100	124.6
	WY 2024	**8668**							**1079.7**		
	Oct 2024	656	10.7	633.00	1434	-183	134.38	227.0	79.4	89	121.1
	Nov 2024	523	8.8	635.00	1486	51	132.65	159.8	62.5	63	119.5
	Dec 2024	403	6.6	639.51	1604	118	136.91	154.7	49.7	61	123.3
	Jan 2025	506	8.2	641.80	1666	62	139.55	156.3	63.6	61	125.7
	Feb 2025	553	10.0	641.80	1666	0	139.97	156.6	69.7	61	126.1
	Mar 2025	834	13.6	643.05	1700	34	139.19	194.1	104.6	76	125.4
	Apr 2025	995	16.7	643.00	1699	-2	138.70	249.9	124.3	98	125.0

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum Probable Inflow*

Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
H	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
I	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
S	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
T	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
O	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
R	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
I	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
C	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
A	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
L	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
*	Apr 2023	669	11.2	447.68	574	-12	79.27	120.0	46.4	100	69.4
	May 2023	680	11.1	448.00	580	6	78.30	116.1	47.4	97	69.8
	Jun 2023	693	11.6	448.00	580	0	78.23	120.0	48.3	100	69.7
	Jul 2023	708	11.5	448.00	580	0	78.28	120.0	49.1	100	69.4
	Aug 2023	625	10.2	447.50	571	-9	78.56	120.0	43.4	100	69.4
	Sep 2023	548	9.2	447.50	570	0	78.72	120.0	37.9	100	69.2
	WY 2023	**6098**							**422.4**		
	Oct 2023	487	7.9	447.50	571	0	79.30	91.0	34.1	76	70.1
	Nov 2023	349	5.9	447.50	571	0	80.30	92.0	24.0	77	68.8
	Dec 2023	247	4.0	446.50	552	-19	80.79	112.3	15.8	94	63.8
	Jan 2024	313	5.1	446.50	552	0	79.71	92.9	20.9	77	66.8
	Feb 2024	411	7.1	446.50	552	0	78.66	96.2	28.4	80	69.1
	Mar 2024	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6
	Apr 2024	727	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2024	734	11.9	448.70	593	0	78.82	120.0	51.5	100	70.2
	Jun 2024	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2024	686	11.2	448.00	580	-13	78.77	120.0	47.9	100	69.8
	Aug 2024	621	10.1	447.50	571	-10	78.59	120.0	43.1	100	69.4
	Sep 2024	533	9.0	447.50	570	0	78.83	120.0	36.9	100	69.3
	WY 2024	**6429**							**445.0**		
	Oct 2024	482	7.8	447.50	571	0	79.34	90.0	33.8	75	70.1
	Nov 2024	375	6.3	447.50	571	0	80.08	92.0	25.7	77	68.6
	Dec 2024	270	4.4	446.50	552	-19	80.59	114.2	17.2	95	63.6
	Jan 2025	305	5.0	446.50	552	0	79.77	92.9	20.4	77	66.9
	Feb 2025	404	7.3	446.50	552	0	78.60	95.4	27.9	79	69.1
	Mar 2025	600	9.8	446.70	555	4	77.58	120.0	41.2	100	68.7
	Apr 2025	718	12.1	448.70	593	38	77.76	120.0	49.9	100	69.5

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum 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
*	May 2022	214	52	20	31	18	3
H	Jun 2022	222	41	18	25	16	6
I	Jul 2022	251	29	23	29	17	7
S	Aug 2022	265	39	23	31	18	6
T	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
O	Oct 2022	175	42	0	21	10	2
R	Nov 2022	181	38	0	6	2	1
I	Dec 2022	199	40	1	6	2	4
C	Jan 2023	182	41	4	5	2	4
A	Feb 2023	172	37	5	6	0	1
L	Mar 2023	173	23	4	6	0	3
	Winter 2023	**1083**	**220**	**15**	**49**	**16**	**15**
*	Apr 2023	291	17	5	9	3	4
	May 2023	395	16	46	67	23	5
	Jun 2023	411	28	13	22	18	7
	Jul 2023	398	21	26	33	17	8
	Aug 2023	429	32	28	33	17	5
	Sep 2023	305	33	8	31	16	5
	Summer 2023	**2230**	**147**	**127**	**196**	**94**	**33**
	Oct 2023	188	24	21	26	9	4
	Nov 2023	195	21	13	16	8	4
	Dec 2023	233	23	18	23	12	4
	Jan 2024	279	23	13	16	9	4
	Feb 2024	244	22	12	16	8	3
	Mar 2024	256	16	14	18	9	3
	Winter 2024	**1396**	**129**	**91**	**114**	**55**	**23**
	Apr 2024	228	16	19	26	14	2
	May 2024	230	30	25	37	21	6
	Jun 2024	244	16	16	22	14	6
	Jul 2024	276	18	25	30	15	6
	Aug 2024	292	20	24	29	15	5
	Sep 2024	217	20	22	27	14	4
	Summer 2024	**1487**	**120**	**131**	**172**	**93**	**28**
	Oct 2024	182	18	17	21	10	4
	Nov 2024	188	16	4	6	4	4
	Dec 2024	225	16	7	9	5	4
	Jan 2025	270	16	7	9	5	4
	Feb 2025	237	15	6	9	5	3
	Mar 2025	248	17	8	11	6	3
	Winter 2025	**1350**	**98**	**50**	**65**	**35**	**21**
	Apr 2025	221	16	13	19	11	2

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2023 24-Month Study

Minimum 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****										
May 2023	1,295	466	524	17769	20055	19959	40014	516	378	176	1070	17769	19959	38799	1500	965	0	22.2
Jun 2023	1,091	418	394	16051	17953	19740	37694	299	316	9	625	16051	19740	36416	1500	866	0	24.7
Jul 2023	878	163	465	14191	15698	19564	35262	70	33	29	132	14191	19564	33887	1500	818	0	24.9
								****CREDITABLE SPACE****										
Aug 2023	825	126	492	14099	15542	19451	34993	825	126	492	1443	14099	19451	34993	1500	762	0	24.6
Sep 2023	877	142	548	14524	16091	19156	35247	877	142	548	1567	14524	19156	35247	2270	698	0	24.3
Oct 2023	930	160	584	14777	16451	19084	35535	930	160	584	1674	14777	19084	35535	3040	480	0	23.9
Nov 2023	964	195	587	14851	16597	19085	35682	964	195	587	1746	14851	19085	35682	3810	618	0	23.8
Dec 2023	985	208	583	14919	16695	19183	35878	985	208	583	1776	14919	19183	35878	4580	550	0	23.7
Jan 2024	1,024	244	583	15106	16957	19096	36053	1024	244	583	1851	15106	19096	36053	5350	607	0	23.6
								****EFFECTIVE SPACE****										
Jan 2024	1,024	244	583	15106	16957	19096	36053	319	105	279	703	15106	19096	34906	5350	607	0	23.6
Feb 2024	1,057	262	585	15428	17332	18929	36261	350	124	281	755	15428	18929	35112	1500	580	0	23.4
Mar 2024	1,083	279	580	15644	17587	18826	36413	374	143	275	792	15644	18826	35262	1500	911	0	23.1
Apr 2024	1,069	291	548	15798	17706	19029	36735	355	155	236	746	15798	19029	35573	1500	1043	0	22.8
May 2024	1,031	296	514	15796	17636	19445	37080	312	155	178	645	15796	19445	35885	1500	1026	0	23.2
Jun 2024	967	238	434	15165	16804	19887	36691	238	82	59	379	15165	19887	35432	1500	909	0	23.8
Jul 2024	780	141	418	14625	15965	20200	36165	37	-29	-12	-4	14625	20200	34821	1500	801	0	23.2
								****CREDITABLE SPACE****										
Aug 2024	759	163	489	14958	16369	20329	36698	759	163	489	1411	14958	20329	36698	1500	763	0	22.6
Sep 2024	787	194	556	15366	16902	20336	37238	787	194	556	1536	15366	20336	37238	2270	685	0	22.1
Oct 2024	824	232	588	15600	17244	20444	37688	824	232	588	1644	15600	20444	37688	3040	498	0	21.8
Nov 2024	839	258	594	15711	17402	20452	37854	839	258	594	1691	15711	20452	37854	3810	603	0	21.6
Dec 2024	844	244	598	15831	17518	20539	38056	844	244	598	1687	15831	20539	38056	4580	536	0	21.6
Jan 2025	862	242	599	16058	17762	20448	38210	862	242	599	1703	16058	20448	38210	5350	587	0	21.4
								****EFFECTIVE SPACE****										
Jan 2025	862	242	599	16058	17762	20448	38210	536	236	458	1230	16058	20448	37736	5350	587	0	21.4
Feb 2025	872	242	601	16405	18119	20281	38400	543	236	459	1238	16405	20281	37923	1500	573	0	21.3
Mar 2025	877	240	595	16642	18354	20179	38533	544	235	452	1231	16642	20179	38052	1500	889	0	21.1
Apr 2025	845	230	550	16800	18424	20323	38748	509	224	400	1133	16800	20323	38255	1500	1019	0	21.1

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

Model Run ID: 3225

Processed On: 5/10/2023 12:54:24PM