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RECLAMATION

To: All Annual Operating Plan Recipients

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Subject: July 2023 Most Probable 24-Month Study

The operation of Lake Powell and Lake Mead in the July 2023 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines) and reflects the 2023 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2022 24-Month Study projections of the January 1, 2023, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2023.

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 percent of average) during the 2023 April-July runoff period, Reclamation 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 and new completed system conservation agreements under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program).

Consistent with this operating approach and based on the most probable inflow forecast, the July 2023 24-Month Study projects a balancing release of 9.04 maf from Lake Powell in WY 2023; however, the actual release in WY 2023 will range between 7.00 and 9.50 maf and will depend on actual hydrology and reservoir conditions at Lake Powell and Lake Mead during the remainder of the water year. The projected release from Lake Powell in WY 2023 will be updated each month throughout the remainder of the water year. 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[2] for May 2022 through April 2023 was amended to suspend 2022 DROA Plan releases as of March 7, 2023. A total DROA release of approximately 463 thousand acre-feet (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

[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.

recovery, which can be found online at: https://www.usbr.gov/dcp/DROSummarySheet.pdf.

In May of 2023, the DROA Parties agreed to the 2023 DROA Plan. The 2023 DROA Plan does not include any DROA releases, but rather provides for recovery of prior DROA releases from the units upstream of Powell.

Reclamation will continue to carefully monitor hydrologic and operational conditions and assess the need for additional responsive actions and/or changes to operations. Reclamation will continue to consult with the Basin States, Basin Tribes, Mexico, and other partners on Colorado River operations to consider and determine whether additional measures should be taken to further enhance the preservation of these benefits, as well as recovery protocols, including those of future protective measures for both Lakes Powell and Mead.

The August 2022 24-Month Study projected the January 1, 2023 Lake Mead elevation, determined as if the 0.480 maf had been delivered to Lake Mead in WY 2022, to be below 1,050 feet and above 1,045 feet. Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.b will govern the operation of Lake Mead for Calendar Year (CY) 2023. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will govern the operation of Lake Mead for CY 2023. Efforts to conserve additional water in Lake Mead under a 2021 Lower Basin Memorandum of Understanding (MOU) to facilitate near-term actions to maintain the water surface elevation of Lake Mead and the LC Conservation Program will also take place in CY 2023.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center. The observed unregulated inflow into Lake Powell for the month of June was 3.65 maf or 149 % of the 30-year average from 1991 to 2020. The July 2023 unregulated inflow forecast for Lake Powell is 1.24 maf or 128 % of the 30-year average. The 2023 April through July unregulated inflow forecast is 10.80 maf or 169 % of average.

In this study, the CY 2023 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.81 maf. The CY 2023 diversion for the Central Arizona Project (CAP) is projected to be 0.79 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.30 maf for CY 2023.

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

Hoover, Davis, and Parker Dam historical gross energy figures come from Power, Operations, and Maintenance reports provided by the Lower Colorado Region's Power Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Cheri Woodward at (702) 293-8101 or Rebecca Rogers at (702) 293-8091.

Runoff and inflow projections into upper basin reservoirs are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows:

Reservoir	Observed Inflow (kaf)				Jun	Inflow Forecast (kaf)				
	Mar	Apr	May	Jun	%Avg	Jul	Aug	Sep	Apr-Jul	%Avg
Lake Powell	573	1399	4520	3646	149%	1235	500	430	10800	169%
Fontenelle	29	75	323	412	134%	155	60	45	965	131%
Flaming Gorge	49	188	521	572	146%	180	70	50	1460	151%
Blue Mesa	25	77	327	312	125%	129	63	40	845	133%
Morrow Point	26	85	364	331	124%	135	66	43	915	133%
Crystal	29	97	406	357	120%	150	71	48	1010	131%
Taylor Park	3.2	7.1	39	50	125%	24	11.5	8	120	128%
Vallecito	6.6	36	119	75	119%	27	14	12	257	145%
Navajo	71	245	488	249	131%	53	25	25	1035	164%
Lemon	0.97	7.4	32	23	129%	6.6	3.6	3	69	144%
McPhee	9.1	147	249	109	164%	28	14	11	533	209%
Ridgway	4.9	10.5	30	41	112%	28	12	7.5	110	120%
Deerlodge	32	366	1043	522	132%	79	25	20	2010	169%
Durango	11.2	61	218	179	126%	87	36	29	545	142%

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_07_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

July 2023 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir

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	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jul 2022	102	3	83	11	93	6504.34	321
H	Aug 2022	56	2	67	1	68	6502.43	306
I	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	**744**	**15**	**617**	**67**	**685**		
S	Oct 2022	40	1	22	39	61	6494.58	249
T	Nov 2022	33	1	10	48	58	6490.90	224
O	Dec 2022	28	1	56	2	58	6486.14	194
R	Jan 2023	32	1	58	0	59	6481.53	167
I	Feb 2023	28	0	10	43	53	6476.59	141
C	Mar 2023	29	0	55	3	58	6470.02	113
A	Apr 2023	75	1	61	0	61	6473.29	126
L	May 2023	323	1	102	95	198	6494.66	250
*	Jun 2023	412	2	92	269	361	6501.41	299
	Jul 2023	155	3	101	29	130	6504.38	321
	Aug 2023	60	2	89	0	89	6500.24	290
	Sep 2023	45	2	71	0	71	6496.36	262
	WY 2023	**1260**	**15**	**727**	**530**	**1257**		
	Oct 2023	50	1	68	0	68	6493.69	243
	Nov 2023	45	1	65	0	65	6490.56	222
	Dec 2023	35	1	68	0	68	6485.33	189
	Jan 2024	32	1	68	0	68	6478.85	153
	Feb 2024	30	0	63	0	63	6471.53	119
	Mar 2024	48	0	64	0	64	6467.44	103
	Apr 2024	75	1	34	18	53	6472.80	124
	May 2024	150	1	94	0	94	6483.64	179
	Jun 2024	295	2	103	78	181	6500.26	290
	Jul 2024	170	3	101	31	132	6504.89	325
	Aug 2024	60	2	95	0	95	6500.01	288
	Sep 2024	40	2	71	0	71	6495.51	256
	WY 2024	**1030**	**14**	**894**	**128**	**1022**		
	Oct 2024	46	1	0	55	55	6494.01	245
	Nov 2024	42	1	0	61	61	6491.16	226
	Dec 2024	32	1	20	48	68	6485.49	190
	Jan 2025	31	1	68	0	68	6478.85	153
	Feb 2025	29	0	61	0	61	6471.81	120
	Mar 2025	51	0	56	0	56	6470.62	115
	Apr 2025	77	1	38	8	46	6477.38	145
	May 2025	166	1	92	0	92	6489.89	218
	Jun 2025	301	2	105	117	222	6500.77	294

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir

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	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
H	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
I	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
	WY 2022	**897**	**837**	**70**	**927**	**60**	**987**				**2138**
S	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
T	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
O	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	135
R	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
I	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	134
C	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
A	Apr 2023	188	181	4	48	0	48	98	6010.17	2589	404
L	May 2023	521	397	7	49	0	49	111	6020.21	2917	1044
*	Jun 2023	574	512	10	114	42	157	125	6029.59	3249	673
	Jul 2023	180	155	14	71	0	71	127	6031.34	3317	150
	Aug 2023	70	99	13	110	0	110	126	6030.76	3294	135
	Sep 2023	50	76	11	113	0	113	125	6029.57	3248	133
	WY 2023	**1811**	**1805**	**75**	**1091**	**47**	**1138**				**3343**
	Oct 2023	63	81	7	114	0	114	123	6028.54	3209	149
	Nov 2023	58	78	3	107	0	107	122	6027.69	3179	142
	Dec 2023	39	72	2	114	0	114	120	6026.51	3136	146
	Jan 2024	45	81	2	114	0	114	119	6025.57	3103	144
	Feb 2024	49	82	2	106	0	106	118	6024.86	3078	136
	Mar 2024	100	116	3	69	0	69	119	6026.04	3120	141
	Apr 2024	125	103	5	67	0	67	121	6026.88	3150	307
	May 2024	210	154	7	230	0	230	117	6024.62	3070	785
	Jun 2024	380	266	10	64	0	64	125	6029.73	3255	464
	Jul 2024	195	157	14	72	0	72	128	6031.50	3323	137
	Aug 2024	70	105	13	109	0	109	127	6031.09	3307	127
	Sep 2024	46	77	11	104	0	104	125	6030.13	3270	122
	WY 2024	**1380**	**1372**	**79**	**1271**	**0**	**1271**				**2801**
	Oct 2024	54	63	7	70	0	70	125	6029.77	3256	103
	Nov 2024	51	70	3	78	0	78	124	6029.48	3245	112
	Dec 2024	34	70	2	124	0	124	122	6028.05	3192	149
	Jan 2025	42	79	2	124	0	124	121	6026.80	3147	149
	Feb 2025	43	75	2	112	0	112	119	6025.76	3110	137
	Mar 2025	85	90	3	61	0	61	120	6026.44	3134	135
	Apr 2025	111	80	5	60	0	60	121	6026.87	3149	263
	May 2025	239	165	7	196	0	196	119	6025.83	3112	709
	Jun 2025	389	310	10	94	0	94	127	6031.17	3310	461

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most 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)
*	Jul 2022	11	15	9314.18	77
H	Aug 2022	8	14	9310.35	70
I	Sep 2022	5	8	9308.87	68
	WY 2022	**110**	**100**		
S	Oct 2022	6	6	9308.80	68
T	Nov 2022	4	5	9308.13	67
O	Dec 2022	5	5	9307.68	66
R	Jan 2023	4	5	9307.08	65
I	Feb 2023	4	5	9306.26	64
C	Mar 2023	4	5	9305.50	63
A	Apr 2023	7	9	9304.30	61
L	May 2023	39	20	9316.35	80
*	Jun 2023	50	28	9328.01	102
	Jul 2023	24	26	9326.99	100
	Aug 2023	12	22	9322.03	91
	Sep 2023	8	18	9316.56	81
	WY 2023	**167**	**154**		
	Oct 2023	8	13	9313.88	76
	Nov 2023	6	6	9313.91	76
	Dec 2023	6	6	9313.82	76
	Jan 2024	5	6	9313.13	75
	Feb 2024	5	6	9312.80	74
	Mar 2024	5	6	9312.10	73
	Apr 2024	9	9	9312.10	73
	May 2024	29	15	9320.18	87
	Jun 2024	40	21	9330.03	106
	Jul 2024	16	24	9326.01	98
	Aug 2024	8	21	9319.08	85
	Sep 2024	6	18	9312.10	73
	WY 2024	**143**	**151**		
	Oct 2024	6	9	9310.24	70
	Nov 2024	5	6	9309.64	69
	Dec 2024	4	6	9308.27	67
	Jan 2025	5	6	9307.52	66
	Feb 2025	4	6	9306.50	64
	Mar 2025	5	6	9305.74	63
	Apr 2025	9	6	9307.72	66
	May 2025	26	12	9316.28	80
	Jun 2025	40	18	9328.07	102

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most 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)
*	Jul 2022	59	63	1	84	0	84	7460.15	368
H	Aug 2022	57	64	1	89	0	89	7455.69	341
I	Sep 2022	31	33	1	55	28	82	7446.72	292
	WY 2022	**661**	**652**	**6**	**566**	**28**	**595**		
S	Oct 2022	32	32	0	0	58	58	7441.74	266
T	Nov 2022	26	27	0	1	10	11	7444.87	282
O	Dec 2022	24	25	0	6	10	17	7446.44	290
R	Jan 2023	24	25	0	20	0	20	7447.43	295
I	Feb 2023	20	21	0	20	0	20	7447.61	296
C	Mar 2023	25	26	0	19	0	19	7448.79	303
A	Apr 2023	77	79	1	23	0	23	7458.56	358
L	May 2023	327	309	1	77	0	77	7491.44	589
*	Jun 2023	312	290	1	106	6	131	7510.36	747
	Jul 2023	129	131	2	115	0	115	7512.02	761
	Aug 2023	63	73	1	100	0	100	7508.78	733
	Sep 2023	40	50	1	27	66	93	7503.62	689
	WY 2023	**1100**	**1088**	**8**	**514**	**150**	**683**		
	Oct 2023	40	45	1	69	0	69	7500.61	663
	Nov 2023	34	34	0	52	0	52	7498.45	645
	Dec 2023	29	29	0	82	0	82	7491.85	592
	Jan 2024	26	27	0	42	0	42	7489.91	577
	Feb 2024	23	24	0	40	0	40	7487.75	560
	Mar 2024	36	37	0	43	0	43	7486.93	554
	Apr 2024	70	70	1	46	0	46	7489.98	577
	May 2024	215	201	1	57	0	57	7507.32	720
	Jun 2024	250	231	1	127	0	127	7518.78	822
	Jul 2024	95	103	2	105	0	105	7518.38	819
	Aug 2024	53	66	1	112	0	112	7513.16	771
	Sep 2024	34	46	1	103	0	103	7506.50	713
	WY 2024	**905**	**913**	**9**	**879**	**0**	**879**		
	Oct 2024	35	38	1	87	0	87	7500.63	663
	Nov 2024	31	32	0	54	0	54	7497.89	641
	Dec 2024	26	28	0	77	0	77	7491.79	592
	Jan 2025	25	26	0	49	0	49	7488.80	568
	Feb 2025	23	25	0	44	0	44	7486.24	549
	Mar 2025	38	39	0	39	0	39	7486.14	548
	Apr 2025	78	75	1	43	0	43	7490.25	580
	May 2025	204	190	1	67	0	67	7505.12	701
	Jun 2025	251	229	1	129	0	129	7516.34	800

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir

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	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jul 2022	60	84	1	85	84	0	84	7152.31	111
H	Aug 2022	58	89	1	90	90	0	90	7152.25	111
I	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	**685**	**595**	**24**	**619**	**614**	**0**	**614**		
S	Oct 2022	33	58	1	59	60	0	60	7156.10	114
T	Nov 2022	27	11	1	12	21	0	21	7143.98	104
O	Dec 2022	26	17	2	18	20	0	20	7141.82	103
R	Jan 2023	26	20	2	21	20	0	20	7144.03	105
I	Feb 2023	21	20	1	21	18	0	18	7148.07	108
C	Mar 2023	26	19	2	21	19	0	19	7149.91	109
A	Apr 2023	85	23	8	31	30	0	30	7151.54	110
L	May 2023	364	77	37	114	112	0	112	7153.72	112
*	Jun 2023	331	131	18	149	142	2	149	7153.53	112
	Jul 2023	135	115	6	121	121	0	121	7153.73	112
	Aug 2023	66	100	3	103	103	0	103	7153.73	112
	Sep 2023	43	93	3	96	96	0	96	7153.73	112
	WY 2023	**1184**	**683**	**83**	**767**	**761**	**2**	**769**		
	Oct 2023	43	69	3	72	72	0	72	7153.73	112
	Nov 2023	36	52	2	54	54	0	54	7153.73	112
	Dec 2023	31	82	2	84	84	0	84	7153.73	112
	Jan 2024	28	42	2	44	44	0	44	7153.73	112
	Feb 2024	25	40	2	42	42	0	42	7153.73	112
	Mar 2024	40	43	4	47	47	0	47	7153.73	112
	Apr 2024	80	46	10	56	56	0	56	7153.73	112
	May 2024	245	57	30	87	87	0	87	7153.73	112
	Jun 2024	270	127	20	147	147	0	147	7153.72	112
	Jul 2024	100	105	5	110	110	0	110	7153.73	112
	Aug 2024	56	112	3	115	115	0	115	7153.73	112
	Sep 2024	36	103	2	105	105	0	105	7153.73	112
	WY 2024	**990**	**879**	**85**	**964**	**963**	**0**	**963**		
	Oct 2024	37	87	2	89	89	0	89	7153.73	112
	Nov 2024	32	54	1	55	55	0	55	7153.73	112
	Dec 2024	27	77	1	78	78	0	78	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	39	2	41	41	0	41	7153.73	112
	Apr 2025	89	43	11	54	53	0	53	7153.73	112
	May 2025	226	67	22	89	89	0	89	7153.73	112
	Jun 2025	265	129	14	143	143	0	143	7153.72	112

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Crystal Reservoir

BUREAU OF RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
H	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
I	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**
S	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
T	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
O	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
R	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
I	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
C	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
A	Apr 2023	97	30	12	42	20	21	41	6752.29	17	19	22
L	May 2023	406	112	42	154	108	41	155	6751.26	16	48	111
*	Jun 2023	357	149	26	176	119	34	174	6757.16	18	63	123
	Jul 2023	150	121	15	136	134	3	137	6753.04	17	65	72
	Aug 2023	71	103	5	108	108	0	108	6753.04	17	65	43
	Sep 2023	48	96	5	101	101	0	101	6753.04	17	55	46
	WY 2023	**1303**	**769**	**120**	**889**	**712**	**149**	**887**			**363**	**541**
	Oct 2023	49	72	6	78	52	26	78	6753.04	17	55	23
	Nov 2023	41	54	5	59	59	0	59	6753.04	17	0	59
	Dec 2023	36	84	5	89	89	0	89	6753.04	17	0	89
	Jan 2024	33	44	5	49	49	0	49	6753.04	17	0	49
	Feb 2024	29	42	4	46	46	0	46	6753.04	17	0	46
	Mar 2024	47	47	7	54	54	0	54	6753.04	17	5	49
	Apr 2024	93	56	13	69	69	0	69	6753.04	17	42	27
	May 2024	285	87	40	127	127	0	127	6753.04	17	62	65
	Jun 2024	305	147	35	182	130	52	182	6753.03	17	61	121
	Jul 2024	110	110	10	120	120	0	120	6753.04	17	65	55
	Aug 2024	61	115	5	120	120	0	120	6753.04	17	65	55
	Sep 2024	41	105	5	110	110	0	110	6753.04	17	55	55
	WY 2024	**1130**	**963**	**140**	**1103**	**1025**	**78**	**1103**			**410**	**693**
	Oct 2024	42	89	5	94	56	38	94	6753.04	17	55	39
	Nov 2024	37	55	5	60	60	0	60	6753.04	17	0	60
	Dec 2024	32	78	5	83	83	0	83	6753.04	17	0	83
	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	41	6	47	47	0	47	6753.04	17	5	42
	Apr 2025	100	53	11	64	64	0	64	6753.04	17	42	22
	May 2025	251	89	25	114	114	0	114	6753.04	17	62	52
	Jun 2025	293	143	28	171	130	41	171	6753.03	17	61	110

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Vallecito Reservoir

— BUREAU OF — RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jul 2022	19	32	7642.57	70
H	Aug 2022	18	28	7637.64	59
I	Sep 2022	12	26	7630.15	45
	WY 2022	**185**	**160**		
S	Oct 2022	14	3	7635.84	56
T	Nov 2022	7	0	7639.00	62
O	Dec 2022	5	0	7641.15	67
R	Jan 2023	5	0	7643.44	72
I	Feb 2023	5	2	7644.74	75
C	Mar 2023	7	36	7630.44	46
A	Apr 2023	36	45	7625.05	36
L	May 2023	119	64	7651.55	91
*	Jun 2023	75	41	7664.54	124
	Jul 2023	27	42	7658.56	109
	Aug 2023	14	38	7648.78	84
	Sep 2023	12	30	7640.86	66
	WY 2023	**326**	**301**		
	Oct 2023	11	17	7637.82	60
	Nov 2023	8	2	7640.73	66
	Dec 2023	6	2	7642.61	70
	Jan 2024	6	2	7644.44	74
	Feb 2024	5	2	7645.84	77
	Mar 2024	8	2	7648.40	83
	Apr 2024	20	2	7655.71	101
	May 2024	66	44	7664.08	123
	Jun 2024	64	65	7663.67	122
	Jul 2024	18	41	7654.41	98
	Aug 2024	12	38	7643.39	72
	Sep 2024	11	29	7634.50	53
	WY 2024	**235**	**245**		
	Oct 2024	10	16	7630.96	47
	Nov 2024	8	2	7634.24	53
	Dec 2024	7	2	7636.83	58
	Jan 2025	6	2	7638.82	62
	Feb 2025	5	2	7640.35	65
	Mar 2025	10	2	7644.00	73
	Apr 2025	23	2	7652.86	94
	May 2025	68	42	7662.60	119
	Jun 2025	62	62	7662.24	118

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

Model Run ID: 3228

Processed On: 7/12/2023 11:10:05AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Navajo Reservoir

— BUREAU OF —
RECLAMATION

	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Jul 2022	44	5	54	3	39	35	6025.41	916	55
H	Aug 2022	53	5	56	3	38	30	6023.95	902	49
I	Sep 2022	22	1	35	2	23	40	6020.65	872	56
	WY 2022	**574**	**66**	**484**	**20**	**200**	**296**			**595**
S	Oct 2022	44	2	32	1	5	33	6019.84	865	51
T	Nov 2022	23	0	16	1	0	19	6019.52	862	37
O	Dec 2022	17	0	13	0	0	22	6018.45	852	37
R	Jan 2023	20	0	15	0	0	20	6017.85	847	34
I	Feb 2023	18	0	15	1	1	17	6017.38	843	31
C	Mar 2023	71	0	98	1	3	18	6025.86	920	45
A	Apr 2023	245	24	235	2	8	21	6045.83	1124	109
L	May 2023	488	59	376	3	28	128	6063.70	1340	345
*	Jun 2023	249	47	163	4	38	168	6060.10	1294	344
	Jul 2023	53	4	64	4	52	18	6059.24	1283	105
	Aug 2023	25	2	47	4	44	23	6057.36	1259	59
	Sep 2023	25	1	42	3	24	21	6056.85	1253	50
	WY 2023	**1279**	**139**	**1116**	**25**	**203**	**508**			**1247**
	Oct 2023	35	2	40	2	9	18	6057.67	1263	42
	Nov 2023	33	1	26	1	0	18	6058.22	1270	36
	Dec 2023	28	0	23	1	0	18	6058.56	1274	33
	Jan 2024	25	0	21	1	0	18	6058.68	1276	32
	Feb 2024	29	1	25	1	0	17	6059.21	1282	30
	Mar 2024	68	6	55	2	6	20	6061.43	1311	40
	Apr 2024	140	17	104	3	21	21	6065.98	1370	68
	May 2024	235	32	181	4	36	232	6059.00	1280	372
	Jun 2024	180	23	157	4	52	139	6055.99	1243	274
	Jul 2024	29	2	51	4	55	26	6053.12	1208	76
	Aug 2024	25	2	49	3	46	30	6050.53	1177	60
	Sep 2024	28	1	45	3	25	25	6049.93	1170	49
	WY 2024	**855**	**88**	**777**	**27**	**250**	**583**			**1113**
	Oct 2024	33	2	38	2	9	22	6050.46	1176	44
	Nov 2024	29	1	22	1	0	21	6050.48	1177	39
	Dec 2024	24	0	19	1	0	22	6050.18	1173	37
	Jan 2025	22	0	18	1	0	22	6049.80	1169	35
	Feb 2025	29	1	25	1	0	19	6050.18	1173	31
	Mar 2025	92	10	74	1	5	22	6054.02	1219	45
	Apr 2025	147	18	107	2	21	21	6059.17	1282	72
	May 2025	251	34	191	4	35	22	6069.10	1413	157
	Jun 2025	187	25	163	5	51	21	6075.19	1499	165

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Lake Powell

BUREAU OF RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
H	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
I	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	**6084**	**6107**	**203**	**6999**	**0**	**6999**				**7066**
S	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
T	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
O	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
R	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
I	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
C	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
A	Apr 2023	1399	1103	10	819	90	909	3524.99	4497	5544	929
L	May 2023	4520	3634	15	1088	0	1088	3561.42	4685	7888	1107
*	Jun 2023	3646	2916	31	1064	0	1064	3583.47	4820	9574	1083
	Jul 2023	1235	1134	40	1150	0	1150	3582.83	4815	9522	1165
	Aug 2023	500	620	40	1015	0	1015	3577.80	4783	9120	1029
	Sep 2023	430	567	36	820	0	820	3574.38	4762	8853	836
	WY 2023	**14001**	**12573**	**232**	**8952**	**90**	**9042**				**9215**
	Oct 2023	550	624	24	480	0	480	3575.81	4771	8964	496
	Nov 2023	515	568	24	500	0	500	3576.33	4774	9004	505
	Dec 2023	415	534	19	600	0	600	3575.32	4768	8925	603
	Jan 2024	380	459	6	723	0	723	3572.07	4748	8675	727
	Feb 2024	430	494	6	639	0	639	3570.23	4737	8535	650
	Mar 2024	600	540	10	675	0	675	3568.44	4726	8401	689
	Apr 2024	950	787	16	601	0	601	3570.54	4738	8559	618
	May 2024	2200	2127	21	599	0	599	3588.07	4850	9954	620
	Jun 2024	2400	1995	37	628	0	628	3602.14	4949	11185	645
	Jul 2024	845	786	47	709	0	709	3602.45	4951	11213	724
	Aug 2024	365	516	47	758	0	758	3599.49	4929	10945	772
	Sep 2024	350	500	43	568	0	568	3598.35	4921	10843	584
	WY 2024	**10000**	**9929**	**300**	**7480**	**0**	**7480**				**7633**
	Oct 2024	447	514	29	643	0	643	3596.70	4909	10697	659
	Nov 2024	466	509	28	642	0	642	3595.00	4897	10547	647
	Dec 2024	361	499	22	715	0	715	3592.46	4880	10327	718
	Jan 2025	350	456	7	857	0	857	3588.01	4850	9949	861
	Feb 2025	397	478	7	755	3	758	3584.81	4828	9684	769
	Mar 2025	614	537	11	801	0	801	3581.67	4808	9429	815
	Apr 2025	920	746	18	713	0	713	3581.85	4809	9442	730
	May 2025	2060	1720	22	710	0	710	3592.82	4882	10357	731
	Jun 2025	2423	1915	38	745	0	745	3604.54	4966	11406	762

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
H	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
I	Sep 2022	547	117	48	539	9.1	21	545	476	1045.03	7328
	WY 2022	**6999**	**787**	**463**	**8899**		**222**	**8888**			
S	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
T	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
O	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
R	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
I	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
C	Mar 2023	486	226	23	754	12.3	11	749	481	1046.03	7399
A	Apr 2023	909	243	31	831	14.0	12	830	498	1049.69	7661
L	May 2023	1088	185	40	855	13.9	22	772	520	1054.28	7995
*	Jun 2023	1064	61	50	886	14.9	23	875	530	1056.39	8152
	Jul 2023	1150	55	48	774	12.6	51	774	550	1060.53	8463
	Aug 2023	1015	86	53	742	12.1	50	742	566	1063.66	8703
	Sep 2023	820	72	53	639	10.7	41	639	575	1065.59	8853
	WY 2023	**9042**	**1252**	**457**	**7955**		**257**	**7873**			
	Oct 2023	480	77	50	502	8.2	32	502	574	1065.26	8827
	Nov 2023	500	63	44	564	9.5	23	564	570	1064.45	8764
	Dec 2023	600	72	36	469	7.6	23	469	579	1066.20	8900
	Jan 2024	723	75	25	573	9.3	10	573	590	1068.48	9080
	Feb 2024	639	71	23	544	9.5	7	544	598	1070.09	9207
	Mar 2024	675	97	25	888	14.4	13	888	589	1068.26	9062
	Apr 2024	601	60	34	1013	17.0	14	1013	565	1063.44	8686
	May 2024	599	37	41	993	16.2	18	993	539	1058.29	8294
	Jun 2024	628	22	50	896	15.1	26	896	519	1054.24	7992
	Jul 2024	709	55	47	789	12.8	29	789	513	1052.93	7896
	Aug 2024	758	86	51	752	12.2	31	752	514	1053.06	7906
	Sep 2024	568	72	50	657	11.0	27	657	508	1051.85	7817
	WY 2024	**7480**	**786**	**475**	**8639**		**254**	**8639**			
	Oct 2024	643	77	47	470	7.6	22	470	519	1054.18	7988
	Nov 2024	642	63	42	589	9.9	12	589	523	1054.96	8046
	Dec 2024	715	72	34	521	8.5	8	521	537	1057.78	8256
	Jan 2025	857	75	24	569	9.2	13	569	557	1061.82	8562
	Feb 2025	758	71	23	540	9.7	10	540	572	1064.95	8803
	Mar 2025	801	97	25	884	14.4	18	884	570	1064.60	8776
	Apr 2025	713	60	33	1009	17.0	20	1009	553	1061.07	8505
	May 2025	710	37	41	989	16.1	26	989	534	1057.23	8214
	Jun 2025	745	22	50	891	15.0	36	891	521	1054.57	8017

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

— BUREAU OF — RECLAMATION

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
H	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
I	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
	WY 2022	**8899**	**-222**	**151**	**8495**	**0**	**8495**			
S	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
T	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
O	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
R	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
I	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
C	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
A	Apr 2023	831	-10	13	844	0	844	14.2	642.84	1694
L	May 2023	855	-10	14	833	0	859	14.0	641.83	1667
*	Jun 2023	886	-15	14	819	0	819	13.8	643.22	1705
	Jul 2023	774	-21	12	760	0	760	12.4	642.50	1685
	Aug 2023	742	-17	16	717	0	717	11.7	642.25	1678
	Sep 2023	639	-6	16	677	0	677	11.4	640.01	1617
	WY 2023	**7955**	**-114**	**151**	**7623**	**0**	**7666**			
	Oct 2023	502	-11	14	660	0	660	10.7	633.00	1434
	Nov 2023	564	-16	13	484	0	484	8.1	635.00	1486
	Dec 2023	469	-2	13	336	0	336	5.5	639.51	1604
	Jan 2024	573	-11	9	491	0	491	8.0	641.80	1666
	Feb 2024	544	-13	8	524	0	524	9.1	641.80	1666
	Mar 2024	888	-10	10	833	0	833	13.6	643.05	1700
	Apr 2024	1013	-14	13	988	0	988	16.6	643.00	1699
	May 2024	993	-13	14	966	0	966	15.7	643.00	1699
	Jun 2024	896	-21	14	861	0	861	14.5	643.00	1699
	Jul 2024	789	-21	12	783	0	783	12.7	642.00	1671
	Aug 2024	752	-17	15	720	0	720	11.7	642.00	1671
	Sep 2024	657	-6	16	688	0	688	11.6	640.01	1617
	WY 2024	**8639**	**-154**	**151**	**8334**	**0**	**8334**			
	Oct 2024	470	-11	14	628	0	628	10.2	633.00	1434
	Nov 2024	589	-16	13	509	0	509	8.6	635.00	1486
	Dec 2024	521	-2	13	388	0	388	6.3	639.51	1604
	Jan 2025	569	-11	9	487	0	487	7.9	641.80	1666
	Feb 2025	540	-13	8	519	0	519	9.4	641.80	1666
	Mar 2025	884	-10	10	829	0	829	13.5	643.05	1700
	Apr 2025	1009	-14	13	984	0	984	16.5	643.00	1699
	May 2025	989	-13	14	962	0	962	15.6	643.00	1699
	Jun 2025	891	-21	14	857	0	857	14.4	643.00	1699

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
H	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
I	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**	
S	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
T	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
O	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
R	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
I	Feb 2023	444	1	8	370	6.7	16	40	447.47	570	130	2.3
C	Mar 2023	705	39	9	553	9.0	70	91	448.31	586	168	2.7
A	Apr 2023	844	51	11	669	11.2	49	169	447.68	574	153	2.6
L	May 2023	859	33	13	655	10.7	73	166	446.26	547	135	2.2
*	Jun 2023	819	18	15	636	10.7	70	69	448.25	585	130	2.2
	Jul 2023	760	17	17	663	10.8	71	19	448.00	580	131	2.1
	Aug 2023	717	19	17	625	10.2	71	22	447.50	571	103	1.7
	Sep 2023	677	12	15	537	9.0	82	45	447.50	570	96	1.6
	WY 2023	**7666**	**245**	**139**	**5974**		**866**	**857**			**1413**	
	Oct 2023	660	21	12	500	8.1	85	76	447.50	571	102	1.7
	Nov 2023	484	14	9	365	6.1	81	37	447.50	570	84	1.4
	Dec 2023	336	17	7	263	4.3	84	13	446.50	552	84	1.4
	Jan 2024	491	7	6	313	5.1	90	82	446.50	552	138	2.2
	Feb 2024	524	4	8	411	7.1	12	90	446.50	552	124	2.2
	Mar 2024	833	2	9	608	9.9	102	104	446.70	555	147	2.4
	Apr 2024	988	7	11	727	12.2	93	116	448.70	593	147	2.5
	May 2024	966	4	13	734	11.9	89	122	448.70	593	110	1.8
	Jun 2024	861	10	16	714	12.0	86	43	448.70	593	116	2.0
	Jul 2024	783	17	17	686	11.2	89	10	448.00	580	123	2.0
	Aug 2024	720	19	17	621	10.1	89	10	447.50	571	102	1.7
	Sep 2024	688	12	15	533	9.0	86	56	447.50	570	99	1.7
	WY 2024	**8334**	**134**	**139**	**6474**		**987**	**760**			**1376**	
	Oct 2024	628	21	12	482	7.8	89	58	447.50	571	89	1.4
	Nov 2024	509	14	9	375	6.3	86	47	447.50	570	115	1.9
	Dec 2024	388	17	7	270	4.4	89	54	446.50	552	110	1.8
	Jan 2025	487	7	6	313	5.1	86	82	446.50	552	138	2.2
	Feb 2025	519	4	8	411	7.4	8	90	446.50	552	124	2.2
	Mar 2025	829	2	9	608	9.9	98	104	446.70	555	147	2.4
	Apr 2025	984	7	11	726	12.2	89	116	448.70	593	147	2.5
	May 2025	962	4	13	733	11.9	85	122	448.70	593	110	1.8
	Jun 2025	857	10	16	714	12.0	82	43	448.70	593	116	2.0

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
H	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
I	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
	WY 2022	**8899**							**3240.9**		
S	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
T	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
O	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
R	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
I	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
C	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
A	Apr 2023	831	14.0	1049.69	7661	262	402.80	839.3	300.5	65	361.7
L	May 2023	855	13.9	1054.28	7995	335	405.85	986.6	313.1	71	366.3
*	Jun 2023	886	14.9	1056.39	8152	156	407.42	1080.0	326.9	78	369.0
	Jul 2023	774	12.6	1060.53	8463	312	406.28	1283.0	283.4	90	366.3
	Aug 2023	742	12.1	1063.66	8703	239	410.20	1320.6	273.4	90	368.3
	Sep 2023	639	10.7	1065.59	8853	150	414.37	1213.0	235.0	82	367.9
	WY 2023	**7955**							**2875.8**		
	Oct 2023	502	8.2	1065.26	8827	-25	419.61	924.9	190.8	63	379.9
	Nov 2023	564	9.5	1064.45	8764	-64	421.33	924.9	213.0	63	377.6
	Dec 2023	469	7.6	1066.20	8900	137	418.42	1098.0	175.5	74	374.6
	Jan 2024	573	9.3	1068.48	9080	179	418.79	1020.0	213.7	69	373.2
	Feb 2024	544	9.5	1070.09	9207	127	419.97	1027.0	203.9	69	375.0
	Mar 2024	888	14.4	1068.26	9062	-145	418.13	1203.0	341.2	81	384.2
	Apr 2024	1013	17.0	1063.44	8686	-376	412.49	1446.0	374.2	100	369.4
	May 2024	993	16.2	1058.29	8294	-392	407.57	1418.0	359.5	100	362.0
	Jun 2024	896	15.1	1054.24	7992	-302	403.02	1390.0	323.4	100	361.0
	Jul 2024	789	12.8	1052.93	7896	-96	400.69	1399.4	284.6	100	360.5
	Aug 2024	752	12.2	1053.06	7906	10	400.43	1399.4	269.4	100	358.4
	Sep 2024	657	11.0	1051.85	7817	-88	400.55	1386.6	232.9	100	354.4
	WY 2024	**8639**							**3182.1**		
	Oct 2024	470	7.6	1054.18	7988	170	407.28	876.4	172.3	63	366.9
	Nov 2024	589	9.9	1054.96	8046	58	411.13	869.0	218.5	63	370.7
	Dec 2024	521	8.5	1057.78	8256	210	408.30	1222.6	192.3	86	369.0
	Jan 2025	569	9.2	1061.82	8562	306	411.20	1012.1	208.2	70	366.2
	Feb 2025	540	9.7	1064.95	8803	241	414.00	1027.8	200.2	70	370.9
	Mar 2025	884	14.4	1064.60	8776	-27	413.22	1268.4	334.5	87	378.5
	Apr 2025	1009	17.0	1061.07	8505	-271	410.88	1251.4	373.8	87	370.5
	May 2025	989	16.1	1057.23	8214	-290	407.21	1232.0	360.1	87	364.1
	Jun 2025	891	15.0	1054.57	8017	-197	404.01	1212.8	324.5	87	364.0

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
H	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
I	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
	WY 2022	**8495**							**1074.5**		
S	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
T	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
O	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
R	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
I	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
C	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
A	Apr 2023	844	14.2	642.84	1694	-36	138.90	255.0	108.3	100	128.3
L	May 2023	833	14.0	641.83	1667	-28	137.48	255.0	109.4	100	131.4
*	Jun 2023	819	13.8	643.22	1705	38	141.71	249.9	103.9	98	126.9
	Jul 2023	760	12.4	642.50	1685	-20	140.07	250.1	95.9	98	126.2
	Aug 2023	717	11.7	642.25	1678	-7	139.86	255.0	90.4	100	126.0
	Sep 2023	677	11.4	640.01	1617	-61	138.72	255.0	84.6	100	125.0
	WY 2023	**7623**							**970.1**		
	Oct 2023	660	10.7	633.00	1434	-183	134.35	227.0	79.9	89	121.0
	Nov 2023	484	8.1	635.00	1486	51	132.94	159.8	58.0	63	119.8
	Dec 2023	336	5.5	639.51	1604	118	137.43	154.7	41.6	61	123.8
	Jan 2024	491	8.0	641.80	1666	62	139.66	156.3	61.8	61	125.8
	Feb 2024	524	9.1	641.80	1666	0	140.32	160.0	66.2	63	126.4
	Mar 2024	833	13.6	643.05	1700	34	139.19	194.1	104.5	76	125.4
	Apr 2024	988	16.6	643.00	1699	-2	138.73	249.9	123.5	98	125.0
	May 2024	966	15.7	643.00	1699	0	139.01	255.0	121.0	100	125.2
	Jun 2024	861	14.5	643.00	1699	0	139.44	255.0	108.2	100	125.6
	Jul 2024	783	12.7	642.00	1671	-27	139.57	255.0	98.5	100	125.7
	Aug 2024	720	11.7	642.00	1671	0	139.47	255.0	90.4	100	125.6
	Sep 2024	688	11.6	640.01	1617	-54	138.52	255.0	85.9	100	124.8
	WY 2024	**8334**							**1039.4**		
	Oct 2024	628	10.2	633.00	1434	-183	134.57	227.0	76.1	89	121.2
	Nov 2024	509	8.6	635.00	1486	51	132.75	159.8	60.9	63	119.6
	Dec 2024	388	6.3	639.51	1604	118	137.02	154.7	48.0	61	123.4
	Jan 2025	487	7.9	641.80	1666	62	139.69	156.3	61.3	61	125.9
	Feb 2025	519	9.4	641.80	1666	0	140.22	156.6	65.6	61	126.3
	Mar 2025	829	13.5	643.05	1700	34	139.22	194.1	104.0	76	125.4
	Apr 2025	984	16.5	643.00	1699	-2	138.76	249.9	123.0	98	125.0
	May 2025	962	15.6	643.00	1699	0	139.03	255.0	120.5	100	125.3
	Jun 2025	857	14.4	643.00	1699	0	139.46	255.0	107.6	100	125.6

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

Model Run ID: 3228

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
H	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
I	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
	WY 2022	**6231**							**431.0**		
S	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
T	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
O	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
R	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
I	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
C	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
A	Apr 2023	669	11.2	447.68	574	-12	79.27	120.0	46.4	100	69.4
L	May 2023	655	10.7	446.26	547	-26	78.52	116.1	45.3	97	69.2
*	Jun 2023	636	10.7	448.25	585	37	79.10	120.0	44.0	100	69.2
	Jul 2023	663	10.8	448.00	580	-5	78.69	120.0	46.3	100	69.8
	Aug 2023	625	10.2	447.50	571	-9	78.57	120.0	43.4	100	69.4
	Sep 2023	537	9.0	447.50	570	0	78.80	120.0	37.2	100	69.3
	WY 2023	**5961**							**412.4**		
	Oct 2023	500	8.1	447.50	571	0	79.20	91.0	35.0	76	70.0
	Nov 2023	365	6.1	447.50	570	0	80.16	92.0	25.1	77	68.7
	Dec 2023	263	4.3	446.50	552	-19	80.64	112.3	16.8	94	63.7
	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	**6474**							**448.0**		
	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	570	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	313	5.1	446.50	552	0	79.71	92.9	20.9	77	66.8
	Feb 2025	411	7.4	446.50	552	0	78.54	95.4	28.4	79	69.0
	Mar 2025	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6
	Apr 2025	726	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2025	733	11.9	448.70	593	0	78.82	120.0	51.5	100	70.2
	Jun 2025	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most 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
*	Jul 2022	251	29	23	29	17	7
H	Aug 2022	265	39	23	31	18	6
I	Sep 2022	201	42	14	27	13	5
	Summer 2022	**1332**	**222**	**108**	**160**	**92**	**28**
S	Oct 2022	175	42	0	21	10	2
T	Nov 2022	181	38	0	6	2	1
O	Dec 2022	199	40	1	6	2	4
R	Jan 2023	182	41	4	5	2	4
I	Feb 2023	172	37	5	6	0	1
C	Mar 2023	173	23	4	6	0	3
	Winter 2023	**1083**	**220**	**15**	**49**	**16**	**15**
A	Apr 2023	291	17	5	9	3	4
L	May 2023	412	18	21	40	20	7
*	Jun 2023	439	43	32	50	22	8
	Jul 2023	463	24	36	43	23	8
	Aug 2023	406	37	31	37	19	7
	Sep 2023	325	38	8	35	17	5
	Summer 2023	**2336**	**177**	**133**	**213**	**106**	**38**
	Oct 2023	191	39	21	26	9	5
	Nov 2023	198	36	16	19	10	5
	Dec 2023	238	38	25	30	15	5
	Jan 2024	285	38	12	16	9	4
	Feb 2024	251	36	12	15	8	4
	Mar 2024	263	23	13	17	9	3
	Winter 2024	**1426**	**211**	**98**	**124**	**60**	**25**
	Apr 2024	235	23	13	20	12	2
	May 2024	239	77	17	31	22	6
	Jun 2024	259	21	40	53	22	7
	Jul 2024	296	24	33	40	21	8
	Aug 2024	316	37	35	41	21	7
	Sep 2024	236	35	32	38	19	5
	Summer 2024	**1581**	**218**	**171**	**223**	**117**	**35**
	Oct 2024	266	24	27	32	10	0
	Nov 2024	265	26	16	20	10	0
	Dec 2024	294	42	23	28	14	1
	Jan 2025	351	42	15	18	10	4
	Feb 2025	307	38	13	17	9	4
	Mar 2025	324	21	12	15	8	3
	Winter 2025	**1806**	**192**	**105**	**130**	**61**	**12**
	Apr 2025	287	20	12	19	11	2
	May 2025	289	66	20	32	20	6
	Jun 2025	311	32	40	51	22	8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2023 24-Month Study

Most 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****										
Jul 2023	463	78	354	13740	14635	19468	34103	109	14	46	169	13740	19468	33377	1500	774	0	26.2
								****CREDITABLE SPACE****										
Aug 2023	372	64	365	13792	14593	19157	33749	372	64	365	801	13792	19157	33749	1500	742	0	25.9
Sep 2023	426	92	389	14194	15101	18917	34018	426	92	389	907	14194	18917	34018	2270	639	0	25.6
Oct 2023	500	136	395	14461	15493	18767	34260	500	136	395	1032	14461	18767	34260	3040	502	0	25.4
Nov 2023	558	161	385	14350	15454	18793	34247	558	161	385	1104	14350	18793	34247	3810	564	0	25.3
Dec 2023	610	179	378	14309	15477	18856	34333	610	179	378	1167	14309	18856	34333	4580	469	0	25.4
Jan 2024	686	233	374	14389	15680	18720	34400	686	233	374	1292	14389	18720	34400	5350	573	0	25.3
								****EFFECTIVE SPACE****										
Jan 2024	686	233	374	14389	15680	18720	34400	381	233	121	734	14389	18720	33843	5350	573	0	25.3
Feb 2024	755	248	372	14639	16014	18540	34554	450	248	118	816	14639	18540	33995	1500	544	0	25.2
Mar 2024	814	264	365	14779	16223	18413	34636	507	264	111	883	14779	18413	34075	1500	888	0	25.0
Apr 2024	788	271	337	14913	16309	18558	34867	477	271	75	823	14913	18558	34294	1500	1013	0	25.0
May 2024	737	247	277	14755	16017	18934	34951	419	247	-8	658	14755	18934	34347	1500	993	0	26.0
Jun 2024	762	105	368	13360	14595	19326	33921	439	105	43	587	13360	19326	33273	1500	896	0	27.3
Jul 2024	466	2	405	12128	13002	19628	32630	123	-10	25	138	12128	19628	31894	1500	789	0	27.3
								****CREDITABLE SPACE****										
Aug 2024	362	6	440	12101	12909	19724	32633	362	6	440	808	12101	19724	32633	1500	752	0	26.9
Sep 2024	415	53	471	12368	13308	19714	33022	415	53	471	939	12368	19714	33022	2270	657	0	26.5
Oct 2024	485	112	478	12471	13545	19803	33348	485	112	478	1074	12471	19803	33348	3040	470	0	26.2
Nov 2024	509	161	471	12617	13759	19632	33392	509	161	471	1142	12617	19632	33392	3810	589	0	26.1
Dec 2024	540	184	471	12767	13962	19574	33536	540	184	471	1195	12767	19574	33536	4580	521	0	26.1
Jan 2025	629	233	475	12987	14324	19364	33688	629	233	475	1337	12987	19364	33688	5350	569	0	26.0
								****EFFECTIVE SPACE****										
Jan 2025	629	233	475	12987	14324	19364	33688	349	233	475	1056	12987	19364	33407	5350	569	0	26.0
Feb 2025	711	256	479	13365	14812	19058	33870	430	256	479	1166	13365	19058	33588	1500	540	0	25.9
Mar 2025	781	276	475	13630	15162	18817	33979	499	276	475	1249	13630	18817	33697	1500	884	0	25.7
Apr 2025	762	277	429	13885	15353	18844	34197	475	277	424	1176	13885	18844	33905	1500	1009	0	25.6
May 2025	716	245	366	13871	15199	19115	34314	424	245	338	1007	13871	19115	33993	1500	989	0	26.5
Jun 2025	681	123	235	12956	13996	19406	33402	381	118	168	667	12956	19406	33030	1500	891	0	27.9

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

Model Run ID: 3228

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