

To: All Annual Operating Plan Recipients

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In addition to the May 2021 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 model runs in May to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. Normally, outside of the DROA, Probable Minimum and Probable Maximum model runs are only conducted in January, April, August, and October. 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 the following links:

Lake Powell: <https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.png>.

Lake Mead: <https://www.usbr.gov/lc/region/g4000/24mo/2021/May-Chart.pdf>.

The water year 2021 unregulated inflow into Lake Powell in the May Probable Minimum inflow scenario is 2.73 maf, or 25 percent of average. Consistent with the Interim Guidelines, the May Probable Minimum 24-Month Study results in a projected release volume from Glen Canyon Dam of 8.23 maf in water year 2021 and 7.00 maf in water year 2022. With intervening flows between Lake Powell and Lake Mead of 0.61 maf in water year 2021, Lake Mead's elevation is projected to be 1,066.29 feet on September 30, 2021.

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

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

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

The Upper Basin Hydrology Summary can be found at: https://www.usbr.gov/uc/water/crsp/studies/24Month_05_UCB.pdf

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Fontenelle Reservoir



— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2020	161	1	101	0	101	6486.37	203
H	Jun 2020	288	2	107	73	180	6501.43	309
I	Jul 2020	145	3	99	23	121	6504.12	330
S	Aug 2020	41	2	74	0	74	6499.62	295
T	Sep 2020	25	2	26	35	61	6494.55	258
	WY 2020	996	15	856	137	993		
O	Oct 2020	32	1	0	55	55	6490.95	225
R	Nov 2020	33	1	17	35	52	6487.89	205
I	Dec 2020	27	1	50	1	51	6483.85	180
C	Jan 2021	25	1	48	2	51	6479.03	153
A	Feb 2021	24	0	46	0	46	6474.49	132
L	Mar 2021	40	0	51	0	51	6472.03	121
*	Apr 2021	54	1	49	0	49	6473.03	125
	May 2021	47	1	38	0	38	6474.69	139
	Jun 2021	78	2	37	0	37	6482.18	178
	Jul 2021	46	2	38	0	38	6483.10	184
	Aug 2021	32	2	38	0	38	6481.77	176
	Sep 2021	28	1	37	0	37	6479.87	165
	WY 2021	466	12	451	94	544		
	Oct 2021	37	1	29	9	38	6479.35	163
	Nov 2021	39	1	42	0	42	6478.60	159
	Dec 2021	31	0	44	0	44	6476.00	146
	Jan 2022	29	0	44	0	44	6472.74	130
	Feb 2022	27	0	39	0	39	6469.70	117
	Mar 2022	48	0	45	0	45	6470.34	120
	Apr 2022	67	1	48	0	48	6474.58	139
	May 2022	123	1	61	0	61	6485.64	199
	Jun 2022	187	2	93	0	93	6498.95	290
	Jul 2022	97	3	68	0	68	6502.32	316
	Aug 2022	47	2	65	0	65	6499.59	295
	Sep 2022	34	2	60	0	60	6495.89	268
	WY 2022	764	14	638	9	647		
	Oct 2022	37	1	61	0	61	6492.27	242
	Nov 2022	40	1	61	0	61	6489.09	221
	Dec 2022	33	1	63	0	63	6484.20	190
	Jan 2023	31	1	63	0	63	6478.40	158
	Feb 2023	29	0	57	0	57	6472.39	129
	Mar 2023	53	0	67	0	67	6469.11	115
	Apr 2023	82	1	77	0	77	6470.26	119

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Flaming Gorge Reservoir



— BUREAU OF —
RECLAMATION

		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)
	Date										
*	May 2020	217	158	8	98	31	129	130	6026.81	3228	672
H	Jun 2020	342	236	10	157	31	188	131	6027.76	3263	530
I	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
S	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
T	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	WY 2020	1255	1251	80	1333	62	1395				2825
O	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
R	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
I	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
C	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
A	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
L	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
*	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
	May 2021	62	53	8	96	0	96	126	6024.16	3129	255
	Jun 2021	90	49	10	79	0	79	124	6023.11	3091	199
	Jul 2021	46	39	13	52	0	52	123	6022.43	3066	73
	Aug 2021	33	39	12	52	0	52	122	6021.78	3043	62
	Sep 2021	29	38	10	50	0	50	122	6021.18	3022	58
	WY 2021	548	628	77	730	0	730				1279
	Oct 2021	40	42	7	52	0	52	121	6020.74	3006	75
	Nov 2021	42	46	3	50	0	50	121	6020.53	2999	79
	Dec 2021	29	42	2	52	0	52	120	6020.22	2988	76
	Jan 2022	36	51	2	52	0	52	120	6020.15	2985	76
	Feb 2022	40	53	2	47	0	47	120	6020.26	2989	72
	Mar 2022	87	84	3	52	0	52	121	6021.05	3017	118
	Apr 2022	98	79	5	50	0	50	122	6021.69	3040	213
	May 2022	171	110	7	52	0	52	124	6023.05	3089	444
	Jun 2022	222	129	10	50	0	50	127	6024.85	3155	293
	Jul 2022	99	70	13	96	0	96	125	6023.85	3118	121
	Aug 2022	47	66	12	54	0	54	125	6023.84	3118	67
	Sep 2022	35	60	11	53	0	53	125	6023.74	3114	64
	WY 2022	946	830	76	657	0	657				1697
	Oct 2022	42	66	7	52	0	52	126	6023.94	3121	76
	Nov 2022	46	67	3	50	0	50	126	6024.29	3134	81
	Dec 2022	33	63	2	52	0	52	127	6024.55	3144	79
	Jan 2023	40	72	2	52	0	52	127	6025.04	3162	79
	Feb 2023	44	72	2	47	0	47	128	6025.65	3184	71
	Mar 2023	95	109	3	86	0	86	129	6026.15	3203	165
	Apr 2023	125	120	5	83	0	83	130	6026.96	3233	283

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

Model Run ID: 3143

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Taylor Park Reservoir



— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2020	24	10	9319.44	86
H	Jun 2020	22	16	9322.93	92
I	Jul 2020	8	17	9317.91	83
S	Aug 2020	4	14	9311.83	73
T	Sep 2020	5	9	9309.62	69
	WY 2020	101	113		
O	Oct 2020	4	5	9308.95	68
R	Nov 2020	4	5	9308.44	67
I	Dec 2020	4	5	9307.73	66
C	Jan 2021	4	5	9306.89	65
A	Feb 2021	3	5	9305.99	64
L	Mar 2021	4	5	9304.90	62
*	Apr 2021	7	5	9305.94	64
	May 2021	12	9	9308.00	67
	Jun 2021	19	15	9310.54	71
	Jul 2021	7	18	9303.35	60
	Aug 2021	5	15	9296.17	50
	Sep 2021	5	12	9290.56	43
	WY 2021	79	105		
	Oct 2021	6	6	9290.38	43
	Nov 2021	5	4	9290.83	44
	Dec 2021	4	4	9290.92	44
	Jan 2022	4	4	9290.83	44
	Feb 2022	4	4	9290.56	43
	Mar 2022	4	4	9290.74	44
	Apr 2022	8	6	9292.14	45
	May 2022	22	12	9299.92	55
	Jun 2022	30	15	9310.22	70
	Jul 2022	11	21	9303.49	60
	Aug 2022	7	18	9295.46	49
	Sep 2022	6	15	9287.81	40
	WY 2022	110	113		
	Oct 2022	6	6	9287.89	41
	Nov 2022	5	5	9287.78	40
	Dec 2022	5	5	9287.31	40
	Jan 2023	4	5	9286.44	39
	Feb 2023	4	5	9285.56	38
	Mar 2023	5	5	9284.86	37
	Apr 2023	9	9	9284.86	37

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Blue Mesa Reservoir



— BUREAU OF —
RECLAMATION

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2020	153	140	1	82	17	99	7485.88	550
H	Jun 2020	139	131	1	83	3	85	7491.64	594
I	Jul 2020	46	55	1	92	1	92	7486.61	555
S	Aug 2020	26	36	1	95	0	95	7478.53	495
T	Sep 2020	23	26	1	80	2	82	7470.42	439
	WY 2020	607	619	8	806	26	908		
O	Oct 2020	20	22	0	66	0	66	7463.47	389
R	Nov 2020	25	25	0	18	0	18	7464.59	396
I	Dec 2020	21	22	0	21	0	21	7464.73	397
C	Jan 2021	22	23	0	19	0	19	7465.24	400
A	Feb 2021	20	22	0	21	0	21	7465.37	401
L	Mar 2021	29	30	0	32	0	32	7465.07	399
*	Apr 2021	47	46	1	79	0	79	7459.68	365
	May 2021	69	66	1	86	0	86	7456.19	344
	Jun 2021	90	86	1	72	0	72	7458.50	358
	Jul 2021	34	45	1	97	0	97	7449.28	305
	Aug 2021	31	40	1	80	0	80	7441.45	265
	Sep 2021	26	32	1	74	0	74	7432.48	222
	WY 2021	433	459	6	665	0	665		
	Oct 2021	32	33	0	70	0	70	7423.78	184
	Nov 2021	29	29	0	15	0	15	7427.03	198
	Dec 2021	25	25	0	16	0	16	7429.14	207
	Jan 2022	24	24	0	16	0	16	7430.92	215
	Feb 2022	22	22	0	14	0	14	7432.75	223
	Mar 2022	34	34	0	18	0	18	7436.25	240
	Apr 2022	63	62	0	42	0	42	7440.34	259
	May 2022	148	138	1	66	0	66	7453.83	331
	Jun 2022	179	164	1	57	0	57	7470.67	436
	Jul 2022	62	72	1	81	0	81	7469.27	427
	Aug 2022	45	56	1	81	0	81	7465.26	400
	Sep 2022	30	39	1	75	0	75	7459.29	363
	WY 2022	694	697	6	550	0	550		
	Oct 2022	33	33	0	70	0	70	7452.78	325
	Nov 2022	30	30	0	14	0	14	7455.52	341
	Dec 2022	27	27	0	15	0	15	7457.52	352
	Jan 2023	25	26	0	15	0	15	7459.23	362
	Feb 2023	23	24	0	14	0	14	7460.85	372
	Mar 2023	37	38	0	17	0	17	7464.22	394
	Apr 2023	78	78	1	38	0	38	7470.28	433

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Morrow Point Reservoir



— BUREAU OF —
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2020	162	99	10	109	109	0	109	7146.72	107
H	Jun 2020	142	85	4	89	85	0	85	7152.13	111
I	Jul 2020	47	92	1	93	93	0	93	7152.06	111
S	Aug 2020	27	95	1	96	95	0	97	7151.26	110
T	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	WY 2020	632	908	25	933	917	0	933		
O	Oct 2020	21	66	1	67	66	0	66	7151.06	110
R	Nov 2020	27	18	2	20	23	0	23	7147.26	107
I	Dec 2020	24	21	3	24	23	0	23	7148.38	108
C	Jan 2021	23	19	1	21	23	0	23	7145.78	106
A	Feb 2021	21	21	1	22	21	0	21	7146.38	106
L	Mar 2021	30	32	1	33	35	0	35	7143.99	104
*	Apr 2021	49	79	1	81	82	0	82	7141.50	103
	May 2021	77	86	8	94	85	0	85	7153.73	112
	Jun 2021	98	72	8	80	79	0	79	7153.72	112
	Jul 2021	36	97	2	98	98	0	98	7153.73	112
	Aug 2021	32	80	1	82	82	0	82	7153.73	112
	Sep 2021	27	74	2	76	76	0	76	7153.73	112
	WY 2021	465	665	33	697	693	0	693		
	Oct 2021	35	70	2	72	72	0	72	7153.73	112
	Nov 2021	31	15	2	17	17	0	17	7153.73	112
	Dec 2021	27	16	2	17	17	0	17	7153.73	112
	Jan 2022	26	16	2	18	18	0	18	7153.73	112
	Feb 2022	24	14	2	16	16	0	16	7153.73	112
	Mar 2022	38	18	3	21	21	0	21	7153.73	112
	Apr 2022	72	42	9	50	50	0	50	7153.73	112
	May 2022	163	66	15	81	80	0	80	7153.73	112
	Jun 2022	189	57	10	67	67	0	67	7153.72	112
	Jul 2022	64	81	2	83	82	0	82	7153.73	112
	Aug 2022	47	81	2	83	83	0	83	7153.73	112
	Sep 2022	32	75	2	77	77	0	77	7153.73	112
	WY 2022	746	550	52	602	601	0	601		
	Oct 2022	35	70	2	73	73	0	73	7153.73	112
	Nov 2022	32	14	2	16	16	0	16	7153.73	112
	Dec 2022	28	15	2	17	17	0	17	7153.73	112
	Jan 2023	27	15	2	18	18	0	18	7153.73	112
	Feb 2023	25	14	2	16	16	0	16	7153.73	112
	Mar 2023	41	17	4	20	20	0	20	7153.73	112
	Apr 2023	89	38	11	48	48	0	48	7153.73	112

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

Model Run ID: 3143

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Crystal Reservoir



— BUREAU OF —
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
H	Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
I	Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
S	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
T	Sep 2020	25	84	1	85	59	27	85	6749.98	16	59	28
	WY 2020	683	933	51	984	905	72	984			447	535
O	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
R	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
I	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
C	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
A	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
L	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
*	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	37
	May 2021	91	85	14	98	98	0	98	6753.04	17	62	36
	Jun 2021	115	79	16	96	96	0	96	6753.03	17	61	35
	Jul 2021	41	98	5	103	103	0	103	6753.04	17	65	38
	Aug 2021	36	82	4	86	86	0	86	6753.04	17	65	21
	Sep 2021	32	76	4	80	80	0	80	6753.04	17	55	25
	WY 2021	527	693	62	755	734	20	754			414	337
	Oct 2021	40	72	5	78	78	0	78	6753.04	17	30	48
	Nov 2021	35	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2021	31	17	4	22	22	0	22	6753.04	17	0	22
	Jan 2022	29	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2022	28	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2022	43	21	6	26	26	0	26	6753.04	17	5	21
	Apr 2022	82	50	10	60	60	0	60	6753.04	17	42	18
	May 2022	181	80	18	99	99	0	99	6753.04	17	62	37
	Jun 2022	207	67	18	85	85	0	85	6753.03	17	61	24
	Jul 2022	70	82	6	88	88	0	88	6753.04	17	65	23
	Aug 2022	52	83	5	88	88	0	88	6753.04	17	65	23
	Sep 2022	37	77	5	82	82	0	82	6753.04	17	55	27
	WY 2022	833	601	88	689	688	0	688			385	303
	Oct 2022	41	73	6	78	78	0	78	6753.04	17	55	23
	Nov 2022	37	16	4	21	21	0	21	6753.04	17	0	21
	Dec 2022	33	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2023	31	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2023	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2023	47	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2023	100	48	12	60	60	0	60	6753.04	17	42	18

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

Model Run ID: 3143

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Vallecito Reservoir



— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	May 2020	66	37	7664.35	124
H	Jun 2020	38	48	7660.61	114
I	Jul 2020	11	38	7649.57	86
S	Aug 2020	5	36	7635.21	54
T	Sep 2020	4	28	7620.77	30
	WY 2020	167	213		
O	Oct 2020	3	2	7620.99	30
R	Nov 2020	3	0	7623.08	33
I	Dec 2020	3	0	7624.62	36
C	Jan 2021	3	0	7626.24	38
A	Feb 2021	3	0	7627.63	41
L	Mar 2021	4	0	7629.73	44
*	Apr 2021	14	1	7636.28	57
	May 2021	25	26	7635.57	55
	Jun 2021	24	28	7633.53	51
	Jul 2021	9	27	7622.41	33
	Aug 2021	9	25	7608.63	16
	Sep 2021	12	19	7599.04	9
	WY 2021	110	129		
	Oct 2021	11	11	7599.10	9
	Nov 2021	8	2	7606.03	14
	Dec 2021	7	2	7610.92	19
	Jan 2022	5	2	7614.08	22
	Feb 2022	5	2	7616.86	25
	Mar 2022	8	2	7621.33	31
	Apr 2022	19	2	7631.71	48
	May 2022	58	31	7644.91	75
	Jun 2022	47	42	7646.86	80
	Jul 2022	15	41	7634.71	54
	Aug 2022	14	38	7620.33	30
	Sep 2022	14	30	7605.88	14
	WY 2022	211	203		
	Oct 2022	11	16	7599.43	9
	Nov 2022	8	2	7606.66	15
	Dec 2022	7	2	7611.82	20
	Jan 2023	6	2	7615.24	23
	Feb 2023	5	2	7618.09	27
	Mar 2023	9	2	7623.41	34
	Apr 2023	23	2	7635.40	55

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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 2020	199	27	142	4	37	32	6061.48	1367	122
H	Jun 2020	65	8	64	4	41	31	6060.49	1354	96
I	Jul 2020	3	1	29	4	47	47	6054.99	1285	58
S	Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
T	Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
	WY 2020	431	48	429	27	230	411			671
O	Oct 2020	6	0	6	1	9	42	6039.09	1103	42
R	Nov 2020	17	0	14	1	0	22	6038.29	1094	37
I	Dec 2020	10	0	7	1	0	22	6036.88	1079	33
C	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
A	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
L	Mar 2021	24	1	20	1	4	24	6033.31	1042	32
*	Apr 2021	81	13	56	2	20	32	6033.54	1045	31
	May 2021	93	9	85	3	35	47	6033.54	1045	90
	Jun 2021	74	7	71	3	51	55	6029.70	1006	98
	Jul 2021	17	0	35	3	56	62	6020.86	920	77
	Aug 2021	13	0	29	3	47	48	6013.44	852	64
	Sep 2021	22	0	30	2	26	37	6009.53	818	57
	WY 2021	384	30	374	21	249	436			626
	Oct 2021	28	0	28	1	9	26	6008.51	809	46
	Nov 2021	27	0	21	1	0	19	6008.72	811	35
	Dec 2021	22	0	17	0	0	17	6008.65	810	32
	Jan 2022	20	0	16	0	0	19	6008.23	807	33
	Feb 2022	26	0	22	1	0	14	6009.04	814	26
	Mar 2022	75	6	63	1	5	15	6013.72	855	34
	Apr 2022	112	12	83	2	21	15	6018.79	901	55
	May 2022	202	25	149	3	35	15	6028.82	997	131
	Jun 2022	130	15	110	3	51	21	6032.32	1032	132
	Jul 2022	19	0	44	3	56	40	6026.81	977	79
	Aug 2022	17	0	40	3	47	40	6021.63	927	66
	Sep 2022	23	0	38	2	26	33	6019.26	905	56
	WY 2022	700	60	633	20	250	275			724
	Oct 2022	29	1	34	1	9	25	6019.01	903	46
	Nov 2022	30	0	24	1	0	18	6019.54	908	35
	Dec 2022	25	0	20	0	0	16	6019.89	911	32
	Jan 2023	22	0	18	0	0	19	6019.71	909	33
	Feb 2023	30	0	26	1	0	14	6020.89	920	27
	Mar 2023	96	9	79	1	5	15	6026.87	977	38
	Apr 2023	152	18	113	2	21	15	6034.33	1053	65

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Lake Powell



— BUREAU OF —
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
H	Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
I	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
S	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
T	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	WY 2020	5848	6543	372	8230	0	8230				8425
O	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
R	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
I	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
C	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
A	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
L	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	697
*	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	623
	May 2021	330	370	20	628	0	628	3559.00	4713	8248	635
	Jun 2021	387	397	30	651	0	651	3555.48	4692	7984	655
	Jul 2021	134	303	35	765	0	765	3549.14	4656	7524	772
	Aug 2021	157	306	33	800	0	800	3542.14	4617	7036	818
	Sep 2021	214	324	29	622	0	622	3537.63	4592	6733	638
	WY 2021	2728	3493	271	8230	0	8230				8299
	Oct 2021	360	416	20	480	0	480	3536.46	4586	6656	489
	Nov 2021	416	402	19	500	0	500	3534.80	4577	6547	514
	Dec 2021	332	340	15	600	0	600	3530.85	4557	6292	613
	Jan 2022	320	328	4	664	0	664	3525.82	4532	5977	683
	Feb 2022	366	354	4	587	0	587	3522.23	4514	5758	604
	Mar 2022	572	472	7	620	0	620	3519.84	4503	5615	638
	Apr 2022	722	588	11	552	0	552	3520.21	4505	5637	569
	May 2022	1551	1223	14	550	0	550	3530.13	4553	6247	558
	Jun 2022	1650	1312	25	577	0	577	3540.20	4606	6905	581
	Jul 2022	375	467	31	652	0	652	3537.21	4590	6705	661
	Aug 2022	254	367	30	696	0	696	3532.12	4564	6373	713
	Sep 2022	290	390	27	522	0	522	3529.80	4552	6226	537
	WY 2022	7208	6659	207	7000	0	7000				7160
	Oct 2022	371	424	18	643	0	643	3526.29	4534	6006	655
	Nov 2022	443	420	18	642	0	642	3522.67	4516	5784	645
	Dec 2022	364	362	14	715	0	715	3516.96	4489	5445	718
	Jan 2023	355	355	4	763	0	763	3510.29	4459	5064	772
	Feb 2023	399	378	4	675	0	675	3505.25	4437	4786	686
	Mar 2023	653	557	6	713	0	713	3502.46	4425	4636	729
	Apr 2023	945	764	10	635	0	635	3504.52	4433	4746	653

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

Model Run ID: 3143

Processed On: 5/13/2021 2:08:32PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	May 2020	629	33	46	1057	17.2	31	1059	713	1091.32	10971
H	Jun 2020	650	19	55	973	16.4	31	978	689	1087.07	10605
I	Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
S	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
T	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
	WY 2020	8230	863	553	8263		255	8267			
O	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
R	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
I	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
C	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
A	Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
L	Mar 2021	700	33	31	945	15.4	15	935	675	1084.39	10378
*	Apr 2021	628	37	38	1057	17.8	23	1056	647	1079.30	9953
	May 2021	628	36	43	1074	17.5	19	1074	618	1073.87	9510
	Jun 2021	651	21	51	961	16.2	28	961	596	1069.55	9164
	Jul 2021	765	36	63	854	13.9	33	854	587	1067.77	9023
	Aug 2021	800	90	67	814	13.2	35	814	585	1067.46	8999
	Sep 2021	622	78	55	712	12.0	30	712	579	1066.29	8907
	WY 2021	8230	607	530	9525		243	9555			
	Oct 2021	480	43	40	578	9.4	25	578	572	1064.85	8795
	Nov 2021	500	69	39	615	10.3	13	615	566	1063.66	8703
	Dec 2021	600	64	34	515	8.4	7	515	572	1064.97	8804
	Jan 2022	664	95	28	537	8.7	11	537	583	1067.18	8977
	Feb 2022	587	83	26	620	11.2	9	620	584	1067.36	8991
	Mar 2022	620	86	29	918	14.9	15	918	569	1064.27	8751
	Apr 2022	552	83	35	1004	16.9	17	1004	543	1059.10	8355
	May 2022	550	41	39	973	15.8	21	973	516	1053.52	7939
	Jun 2022	577	20	46	934	15.7	29	934	491	1048.20	7553
	Jul 2022	652	43	57	821	13.4	33	821	478	1045.34	7350
	Aug 2022	696	84	60	790	12.8	34	790	471	1043.96	7253
	Sep 2022	522	71	49	707	11.9	31	707	460	1041.35	7071
	WY 2022	7000	783	483	9012		244	9012			
	Oct 2022	643	58	35	550	8.9	26	550	465	1042.57	7156
	Nov 2022	642	71	36	670	11.3	15	670	465	1042.47	7149
	Dec 2022	715	67	31	556	9.0	10	556	476	1044.96	7323
	Jan 2023	763	95	26	529	8.6	11	529	494	1048.82	7598
	Feb 2023	675	97	24	599	10.8	9	599	502	1050.64	7729
	Mar 2023	713	111	27	899	14.6	16	899	495	1049.11	7619
	Apr 2023	635	81	33	985	16.6	17	985	476	1044.90	7319

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Davis Dam - Lake Mohave



— BUREAU OF —
RECLAMATION

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
H	Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
I	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
S	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
T	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
	WY 2020	8263	-50	198	8063	0	8063			
O	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
R	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
I	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
C	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
A	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
L	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
*	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
	May 2021	1074	-8	22	1026	0	1026	16.7	643.00	1699
	Jun 2021	961	-13	25	922	0	922	15.5	643.00	1699
	Jul 2021	854	-10	25	846	0	846	13.8	642.00	1671
	Aug 2021	814	-11	23	780	0	780	12.7	642.00	1671
	Sep 2021	712	-11	18	763	0	763	12.8	639.01	1591
	WY 2021	9525	-157	197	9104	0	9104			
	Oct 2021	578	-11	15	709	0	709	11.5	633.00	1434
	Nov 2021	615	-23	10	530	0	530	8.9	635.00	1486
	Dec 2021	515	-11	9	376	0	376	6.1	639.51	1604
	Jan 2022	537	-17	10	449	0	449	7.3	641.80	1666
	Feb 2022	620	-9	10	601	0	601	10.8	641.80	1666
	Mar 2022	918	-7	13	864	0	864	14.1	643.05	1700
	Apr 2022	1004	-8	17	981	0	981	16.5	643.00	1699
	May 2022	973	-8	22	943	0	943	15.3	643.00	1699
	Jun 2022	934	-13	25	895	0	895	15.0	643.00	1699
	Jul 2022	821	-10	25	813	0	813	13.2	642.00	1671
	Aug 2022	790	-11	23	756	0	756	12.3	642.00	1671
	Sep 2022	707	-11	18	732	0	732	12.3	640.01	1617
	WY 2022	9012	-138	197	8649	0	8649			
	Oct 2022	550	-11	15	707	0	707	11.5	633.00	1434
	Nov 2022	670	-23	10	585	0	585	9.8	635.00	1486
	Dec 2022	556	-11	9	417	0	417	6.8	639.51	1604
	Jan 2023	529	-17	10	440	0	440	7.2	641.80	1666
	Feb 2023	599	-9	10	580	0	580	10.4	641.80	1666
	Mar 2023	899	-7	13	845	0	845	13.7	643.05	1700
	Apr 2023	985	-8	17	962	0	962	16.2	643.00	1699

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Parker Dam - Lake Havasu



— BUREAU OF —
RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	126	2.1
H	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	137	2.3
I	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	151	2.4
S	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	127	2.1
T	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	111	1.9
	WY 2020	8063	98	139	6041		631	1319			1494	
O	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	66	1.1
R	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	92	1.5
I	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	90	1.5
C	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
A	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
L	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
*	Apr 2021	1028	1	11	728	12.2	102	163	448.04	581	167	2.8
	May 2021	1026	9	13	726	11.8	107	166	448.70	593	136	2.2
	Jun 2021	922	6	16	711	11.9	104	89	448.50	590	140	2.4
	Jul 2021	846	15	17	679	11.0	102	61	448.00	580	124	2.0
	Aug 2021	780	15	17	616	10.0	102	58	447.50	571	111	1.8
	Sep 2021	763	14	15	526	8.8	98	128	447.50	570	107	1.8
	WY 2021	9104	123	139	6427		1064	1483			1458	
	Oct 2021	709	21	12	470	7.6	102	141	447.50	571	73	1.2
	Nov 2021	530	18	9	335	5.6	98	101	447.50	571	94	1.6
	Dec 2021	376	20	7	230	3.7	102	73	446.50	552	94	1.5
	Jan 2022	449	17	6	302	4.9	106	47	446.50	552	138	2.2
	Feb 2022	601	7	8	398	7.2	75	121	446.50	552	124	2.2
	Mar 2022	864	7	9	619	10.1	102	129	446.70	555	147	2.4
	Apr 2022	981	11	11	707	11.9	100	125	448.70	593	147	2.5
	May 2022	943	9	13	692	11.3	100	135	448.70	593	110	1.8
	Jun 2022	895	6	16	697	11.7	100	75	448.70	593	116	2.0
	Jul 2022	813	15	17	671	10.9	100	41	448.00	580	123	2.0
	Aug 2022	756	15	17	611	9.9	100	41	447.50	571	101	1.6
	Sep 2022	732	14	15	517	8.7	100	103	447.50	570	99	1.7
	WY 2022	8649	161	139	6251		1185	1130			1366	
	Oct 2022	707	21	12	485	7.9	100	125	447.50	571	89	1.4
	Nov 2022	585	18	9	367	6.2	100	122	447.50	571	115	1.9
	Dec 2022	417	20	7	259	4.2	97	89	446.50	552	110	1.8
	Jan 2023	440	17	6	294	4.8	106	46	446.50	552	132	2.1
	Feb 2023	580	7	8	392	7.1	68	113	446.50	552	118	2.1
	Mar 2023	845	7	9	611	9.9	99	121	446.70	555	140	2.3
	Apr 2023	962	11	11	700	11.8	97	117	448.70	593	140	2.3

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

Model Run ID: 3143

Processed On: 5/13/2021 2:08:32PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
H	Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
I	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
S	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
T	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
WY 2020		8263							3256.3		
O	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
R	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
I	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
C	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
A	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
L	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
*	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
	May 2021	1074	17.5	1073.87	9510	-443	426.68	1042.9	422.9	69	393.8
	Jun 2021	961	16.2	1069.55	9164	-346	418.31	1468.0	357.6	100	372.1
	Jul 2021	854	13.9	1067.77	9023	-140	415.61	1468.0	322.4	100	377.7
	Aug 2021	814	13.2	1067.46	8999	-24	414.91	1468.0	305.4	100	375.2
	Sep 2021	712	12.0	1066.29	8907	-92	415.15	1451.0	264.5	100	371.3
WY 2021		9525							3674.4		
	Oct 2021	578	9.4	1064.85	8795	-112	417.06	1308.0	213.5	91	369.2
	Nov 2021	615	10.3	1063.66	8703	-92	421.90	743.0	237.0	52	385.6
	Dec 2021	515	8.4	1064.97	8804	101	418.43	932.0	195.3	65	379.5
	Jan 2022	537	8.7	1067.18	8977	172	418.69	853.1	200.0	58	372.4
	Feb 2022	620	11.2	1067.36	8991	15	418.35	961.0	233.6	65	376.8
	Mar 2022	918	14.9	1064.27	8751	-241	414.43	1247.9	343.8	85	374.4
	Apr 2022	1004	16.9	1059.10	8355	-396	410.24	1178.0	372.5	82	371.0
	May 2022	973	15.8	1053.52	7939	-416	405.03	1136.0	358.8	81	368.6
	Jun 2022	934	15.7	1048.20	7553	-386	397.67	1451.0	333.6	100	357.3
	Jul 2022	821	13.4	1045.34	7350	-203	393.95	1434.0	291.6	100	355.0
	Aug 2022	790	12.8	1043.96	7253	-97	392.18	1434.0	278.0	100	351.9
	Sep 2022	707	11.9	1041.35	7071	-182	390.85	1434.0	246.0	100	347.9
WY 2022		9012							3303.6		
	Oct 2022	550	8.9	1042.57	7156	85	393.34	1236.1	190.4	91	346.2
	Nov 2022	670	11.3	1042.47	7149	-7	396.83	1151.5	236.6	85	353.3
	Dec 2022	556	9.0	1044.96	7323	174	396.30	1108.6	194.6	81	350.3
	Jan 2023	529	8.6	1048.82	7598	275	397.96	1029.0	185.3	74	350.5
	Feb 2023	599	10.8	1050.64	7729	131	400.92	917.0	215.2	65	359.0
	Mar 2023	899	14.6	1049.11	7619	-110	398.62	1183.5	321.7	85	357.8
	Apr 2023	985	16.6	1044.90	7319	-300	395.68	1124.1	349.9	82	355.2

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

Model Run ID: 3143

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Davis Dam - Lake Mohave



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
H	Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
I	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
S	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
T	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
WY 2020		8063							1015.1		
O	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
R	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
I	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
C	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
A	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
L	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
*	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
	May 2021	1026	16.7	643.00	1699	17	138.37	255.0	128.0	100	124.7
	Jun 2021	922	15.5	643.00	1699	0	139.08	255.0	115.6	100	125.3
	Jul 2021	846	13.8	642.00	1671	-27	139.19	255.0	106.0	100	125.4
	Aug 2021	780	12.7	642.00	1671	0	139.08	255.0	97.8	100	125.3
	Sep 2021	763	12.8	639.01	1591	-81	137.54	255.0	94.6	100	123.9
WY 2021		9104							1140.9		
	Oct 2021	709	11.5	633.00	1434	-156	133.53	215.5	85.3	85	120.3
	Nov 2021	530	8.9	635.00	1486	51	132.60	170.0	63.4	67	119.5
	Dec 2021	376	6.1	639.51	1604	118	137.11	153.0	46.5	60	123.5
	Jan 2022	449	7.3	641.80	1666	62	139.97	161.2	56.6	63	126.1
	Feb 2022	601	10.8	641.80	1666	0	139.61	198.5	75.6	78	125.8
	Mar 2022	864	14.1	643.05	1700	34	139.01	204.0	108.2	80	125.2
	Apr 2022	981	16.5	643.00	1699	-2	138.77	205.7	122.6	81	125.0
	May 2022	943	15.3	643.00	1699	0	139.14	213.9	118.2	84	125.4
	Jun 2022	895	15.0	643.00	1699	0	139.24	255.0	112.3	100	125.4
	Jul 2022	813	13.2	642.00	1671	-27	139.39	255.0	102.1	100	125.6
	Aug 2022	756	12.3	642.00	1671	0	139.23	255.0	94.9	100	125.4
	Sep 2022	732	12.3	640.01	1617	-54	138.23	255.0	91.1	100	124.5
WY 2022		8649							1076.7		
	Oct 2022	707	11.5	633.00	1434	-183	134.04	227.0	85.4	89	120.8
	Nov 2022	585	9.8	635.00	1486	51	132.21	159.8	69.7	63	119.1
	Dec 2022	417	6.8	639.51	1604	118	136.80	154.7	51.4	61	123.2
	Jan 2023	440	7.2	641.80	1666	62	140.03	156.3	55.6	61	126.2
	Feb 2023	580	10.4	641.80	1666	0	139.76	156.6	73.1	61	125.9
	Mar 2023	845	13.7	643.05	1700	34	139.12	194.1	105.9	76	125.3
	Apr 2023	962	16.2	643.00	1699	-2	138.88	249.9	120.4	98	125.1

* 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 2021 24-Month Study

Minimum Probable Inflow*

Parker Dam - Lake Havasu



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
H	Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
I	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
S	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
T	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
	WY 2020	6041							416.0		
O	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
R	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
I	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
C	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
A	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
L	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
*	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
	May 2021	726	11.8	448.70	593	13	75.73	120.0	48.1	100	66.3
	Jun 2021	711	11.9	448.50	590	-4	75.95	120.0	47.3	100	66.5
	Jul 2021	679	11.0	448.00	580	-10	75.61	120.0	44.8	100	66.1
	Aug 2021	616	10.0	447.50	571	-10	75.13	120.0	40.4	100	65.5
	Sep 2021	526	8.8	447.50	570	0	74.89	120.0	34.2	100	65.1
	WY 2021	6427							432.9		
	Oct 2021	470	7.6	447.50	571	0	76.29	90.0	31.0	75	66.0
	Nov 2021	335	5.6	447.50	571	0	75.98	96.0	21.6	80	64.6
	Dec 2021	230	3.7	446.50	552	-19	74.40	120.0	14.2	100	61.5
	Jan 2022	302	4.9	446.50	552	0	75.07	94.8	19.1	79	63.4
	Feb 2022	398	7.2	446.50	552	0	75.10	94.3	25.8	79	64.9
	Mar 2022	619	10.1	446.70	555	4	74.01	120.0	40.0	100	64.7
	Apr 2022	707	11.9	448.70	593	38	75.25	116.0	46.7	97	66.0
	May 2022	692	11.3	448.70	593	0	76.05	120.0	46.0	100	66.4
	Jun 2022	697	11.7	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jul 2022	671	10.9	448.00	580	-13	75.71	120.0	44.4	100	66.1
	Aug 2022	611	9.9	447.50	571	-10	75.13	120.0	40.0	100	65.5
	Sep 2022	517	8.7	447.50	570	0	74.89	120.0	33.6	100	65.0
	WY 2022	6251							408.9		
	Oct 2022	485	7.9	447.50	571	0	76.14	92.9	32.0	77	65.9
	Nov 2022	367	6.2	447.50	571	0	76.19	92.0	23.9	77	65.1
	Dec 2022	259	4.2	446.50	552	-19	74.82	110.3	16.2	92	62.4
	Jan 2023	294	4.8	446.50	552	0	75.12	93.9	18.6	78	63.3
	Feb 2023	392	7.1	446.50	552	0	75.15	93.2	25.4	78	64.9
	Mar 2023	611	9.9	446.70	555	4	74.01	120.0	39.5	100	64.7
	Apr 2023	700	11.8	448.70	593	38	75.08	120.0	46.0	100	65.8

* 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 2021 24-Month Study

Minimum Probable Inflow*

Upper Basin Power



— BUREAU OF —
RECLAMATION

		Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
	Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	May 2020	276	37	23	37	19	7
H	Jun 2020	290	58	24	28	18	8
I	Jul 2020	335	35	27	32	18	9
S	Aug 2020	367	43	28	32	19	7
T	Sep 2020	262	37	23	28	11	2
	Summer 2020	1806	254	146	182	102	37
O	Oct 2020	277	24	18	22	9	0
R	Nov 2020	275	20	5	7	3	1
I	Dec 2020	304	24	5	7	3	3
C	Jan 2021	319	24	5	6	3	3
A	Feb 2021	278	21	5	6	2	3
L	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
*	Apr 2021	254	19	20	28	17	3
	May 2021	241	32	23	30	17	2
	Jun 2021	247	27	19	29	17	2
	Jul 2021	287	17	26	35	18	2
	Aug 2021	296	17	21	29	15	2
	Sep 2021	227	17	19	27	14	2
	Summer 2021	1551	129	127	179	97	14
	Oct 2021	174	17	17	26	13	2
	Nov 2021	181	17	4	6	4	3
	Dec 2021	215	17	4	6	4	3
	Jan 2022	235	17	4	6	4	2
	Feb 2022	206	16	3	6	3	2
	Mar 2022	215	17	4	7	5	2
	Winter 2022	1227	101	36	58	32	14
	Apr 2022	191	17	10	18	10	3
	May 2022	194	17	17	29	17	4
	Jun 2022	208	17	16	24	15	7
	Jul 2022	237	32	22	30	15	5
	Aug 2022	249	18	22	30	15	5
	Sep 2022	186	18	20	28	14	4
	Summer 2022	1265	119	108	159	87	27
	Oct 2022	227	17	19	26	14	4
	Nov 2022	224	17	4	6	4	4
	Dec 2022	247	17	4	6	4	4
	Jan 2023	259	17	4	6	4	4
	Feb 2023	227	16	4	6	3	3
	Mar 2023	236	29	4	7	5	4
	Winter 2023	1184	84	34	50	28	20
	Apr 2023	210	28	10	17	10	4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Minimum Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
May 2021	787	464	657	15818	17725	17667	35392	-29	-61	27	-63	15818	17667	33421	1500	1074	0	24.9
Jun 2021	828	485	657	16074	18044	18110	36155	5	-44	-11	-50	16074	18110	34135	1500	961	0	24.3
Jul 2021	828	471	696	16338	18332	18456	36789	-5	-63	-27	-95	16338	18456	34699	1500	854	0	23.5
								**** CREDITABLE SPACE ****										
Aug 2021	847	524	782	16798	18951	18597	37547	847	524	782	2153	16798	18597	37547	1500	814	0	22.8
Sep 2021	878	565	849	17286	19578	18621	38199	878	565	849	2292	17286	18621	38199	2270	712	0	22.2
Oct 2021	910	607	883	17589	19989	18713	38702	910	607	883	2401	17589	18713	38702	3040	578	0	21.8
Nov 2021	928	645	892	17666	20132	18825	38957	928	645	892	2465	17666	18825	38957	3810	615	0	21.6
Dec 2021	940	631	890	17775	20236	18917	39153	940	631	890	2461	17775	18917	39153	4580	515	0	21.6
Jan 2022	964	622	891	18030	20506	18816	39322	964	622	891	2477	18030	18816	39322	5350	537	0	21.5
								**** EFFECTIVE SPACE ****										
Jan 2022	964	622	891	18030	20506	18816	39322	356	239	348	943	18030	18816	37788	5350	537	0	21.5
Feb 2022	982	614	894	18345	20835	18643	39478	372	232	351	954	18345	18643	37942	1500	620	0	21.3
Mar 2022	991	606	888	18564	21049	18629	39677	378	223	344	945	18564	18629	38138	1500	918	0	21.0
Apr 2022	960	590	847	18707	21104	18869	39974	343	207	296	846	18707	18869	38423	1500	1004	0	20.8
May 2022	918	570	801	18685	20974	19265	40239	295	185	228	708	18685	19265	38658	1500	973	0	21.3
Jun 2022	809	499	705	18075	20088	19681	39768	175	103	94	372	18075	19681	38128	1500	934	0	21.9
Jul 2022	652	393	669	17417	19132	20067	39198	3	-19	4	-12	17417	20067	37472	1500	821	0	21.3
								**** CREDITABLE SPACE ****										
Aug 2022	663	403	724	17617	19407	20270	39677	663	403	724	1790	17617	20270	39677	1500	790	0	20.8
Sep 2022	684	429	774	17949	19836	20367	40203	684	429	774	1888	17949	20367	40203	2270	707	0	20.3
Oct 2022	715	467	796	18096	20074	20549	40623	715	467	796	1978	18096	20549	40623	3040	550	0	19.9
Nov 2022	733	505	799	18316	20352	20464	40816	733	505	799	2036	18316	20464	40816	3810	670	0	19.8
Dec 2022	742	489	794	18538	20562	20471	41033	742	489	794	2024	18538	20471	41033	4580	556	0	19.7
Jan 2023	763	477	790	18877	20907	20297	41204	763	477	790	2031	18877	20297	41204	5350	529	0	19.6
								**** EFFECTIVE SPACE ****										
Jan 2023	763	477	790	18877	20907	20297	41204	493	348	529	1370	18877	20297	40543	5350	529	0	19.6
Feb 2023	777	467	792	19258	21295	20022	41317	504	339	530	1373	19258	20022	40653	1500	599	0	19.5
Mar 2023	784	457	781	19536	21559	19891	41450	507	330	518	1355	19536	19891	40782	1500	899	0	19.4
Apr 2023	779	436	724	19686	21626	20001	41627	498	309	454	1262	19686	20001	40949	1500	985	0	19.4

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