To: All Annual Operating Plan Recipients

From: Michael Bernardo, P.E.
River Operations Manager
Boulder Canyon Operations Office
Interior Region 8: Lower Colorado Basin
P.O. Box 61470
Boulder City, NV 89006-1470
Phone: 702-293-8111

From: Paul Davidson
Chief, Water Management Group
Water and Power Division, Power Office
Interior Region 7: Upper Colorado Basin
125 South State Street, Room 8100
Salt Lake City, UT 84138-5571
Phone: 801-524-3642

In addition to the October 2021 24-Month Study based on the Most Probable inflow scenario, Reclamation has conducted model runs in October to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. 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/2021/October-Chart.pdf.

The water year 2022 unregulated inflow in the Probable Maximum inflow scenario is 15.60 maf, or 162% of average[1]. Consistent with the Interim Guidelines, the October Probable Maximum 24-Month Study includes release volumes from Glen Canyon Dam of 7.48 maf in water year 2022 and 9.00 maf in water year 2023. Under the probable maximum scenario, Lake Powell's elevation is projected to be 3,608.84 feet on December 31, 2022. With intervening flows between Lake Powell and Lake Mead of 0.994 maf in calendar year 2022, Lake Mead's elevation is projected to be 1,061.17 feet on December 31, 2022.

The 2021 AOP is available online at:	https://www.usbr.gov/lc/region/g4000/aop/AOP21.pdf.
The Draft 2022 AOP is available online at:	https://www.usbr.gov/lc/region/g4000/AOP2022/2022%20AOP_2021-08-26_Consultation-3.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 Upper Basin Hydrology Summary is available online at:	https://www.usbr.gov/uc/water/crsp/studies/24Month_10_ucb.pdf.

[1]This October 2021 24-Month Study includes the Colorado Basin River Forecast Center shift to the 1991-2020 period of record. All statistics shown in the study refer to this new 30-year period of record.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum 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)
*	Oct 2020	32	1	0	55	55	6490.95	225
H	Nov 2020	33	1	17	35	52	6487.89	205
I	Dec 2020	27	1	50	1	51	6483.85	180
S	Jan 2021	25	1	48	2	51	6479.03	153
T	Feb 2021	24	0	46	0	46	6474.49	132
O	Mar 2021	40	0	51	0	51	6472.03	121
R	Apr 2021	54	1	49	0	49	6473.03	125
I	May 2021	76	1	49	0	49	6478.67	152
C	Jun 2021	143	2	42	0	42	6494.76	251
A	Jul 2021	45	2	43	0	43	6494.70	250
L	Aug 2021	35	2	41	0	41	6493.52	242
*	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	**561**	**14**	**471**	**94**	**566**		
	Oct 2021	29	1	24	18	42	6489.67	225
	Nov 2021	30	1	56	0	56	6485.52	198
	Dec 2021	25	1	58	0	58	6479.64	164
	Jan 2022	33	0	58	0	58	6474.56	139
	Feb 2022	32	0	53	0	53	6469.88	118
	Mar 2022	77	0	62	0	62	6473.22	132
	Apr 2022	116	1	89	0	89	6478.62	159
	May 2022	269	2	105	46	151	6497.00	276
	Jun 2022	477	3	102	352	454	6499.76	296
	Jul 2022	293	3	102	157	259	6503.81	327
	Aug 2022	97	2	93	0	93	6504.04	329
	Sep 2022	52	2	36	35	71	6501.25	308
	WY 2022	**1530**	**15**	**837**	**609**	**1447**		
	Oct 2022	54	1	74	0	74	6498.50	287
	Nov 2022	47	1	74	0	74	6494.60	259
	Dec 2022	33	1	77	0	77	6488.08	214
	Jan 2023	33	1	77	0	77	6480.63	170
	Feb 2023	30	1	69	0	69	6472.69	130
	Mar 2023	64	0	73	0	73	6470.55	121
	Apr 2023	97	1	84	0	84	6473.38	133
	May 2023	225	1	99	0	99	6494.47	258
	Jun 2023	406	2	103	262	364	6499.85	297
	Jul 2023	224	3	102	89	190	6503.86	328
	Aug 2023	80	2	75	0	75	6504.18	330
	Sep 2023	46	2	66	0	66	6501.41	309
	WY 2023	**1339**	**16**	**972**	**350**	**1322**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Flaming Gorge Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
H	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
S	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
T	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
O	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
R	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
I	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
C	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
A	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
L	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
*	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	**650**	**657**	**77**	**835**	**0**	**835**				**1430**
	Oct 2021	32	45	7	76	0	76	117	6018.12	2914	92
	Nov 2021	36	62	3	51	0	51	118	6018.34	2921	73
	Dec 2021	25	58	2	52	0	52	118	6018.46	2926	71
	Jan 2022	50	75	2	52	0	52	119	6019.04	2946	77
	Feb 2022	60	81	2	47	0	47	120	6019.90	2976	72
	Mar 2022	175	160	3	97	0	97	122	6021.52	3034	182
	Apr 2022	199	172	5	94	0	94	125	6023.48	3105	362
	May 2022	421	302	8	154	0	154	130	6027.14	3240	826
	Jun 2022	688	665	11	283	113	397	140	6033.53	3487	1086
	Jul 2022	418	384	14	266	0	266	144	6036.02	3587	484
	Aug 2022	124	120	13	137	0	137	143	6035.29	3558	169
	Sep 2022	72	92	12	113	0	113	142	6034.52	3527	141
	WY 2022	**2300**	**2217**	**80**	**1423**	**113**	**1536**				**3636**
	Oct 2022	74	94	8	85	0	85	142	6034.54	3528	124
	Nov 2022	60	88	4	132	0	132	140	6033.38	3481	167
	Dec 2022	36	79	2	184	0	184	136	6030.76	3378	209
	Jan 2023	43	88	2	184	0	184	132	6028.29	3284	210
	Feb 2023	48	87	2	167	0	167	129	6026.20	3205	192
	Mar 2023	121	130	3	164	0	164	128	6025.24	3169	247
	Apr 2023	147	134	5	159	0	159	126	6024.45	3140	405
	May 2023	324	198	8	125	0	125	129	6026.16	3203	744
	Jun 2023	530	489	10	282	55	337	134	6029.74	3339	884
	Jul 2023	269	235	14	77	0	77	140	6033.29	3478	203
	Aug 2023	91	86	13	105	0	105	139	6032.51	3447	132
	Sep 2023	55	75	12	105	0	105	137	6031.48	3407	127
	WY 2023	**1799**	**1782**	**81**	**1771**	**55**	**1826**				**3643**

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Taylor Park Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2020	4	5	9308.95	68
H	Nov 2020	4	5	9308.44	67
I	Dec 2020	4	5	9307.73	66
S	Jan 2021	4	5	9306.89	65
T	Feb 2021	3	5	9305.99	64
O	Mar 2021	4	5	9304.90	62
R	Apr 2021	7	5	9305.94	64
I	May 2021	16	10	9310.13	70
C	Jun 2021	24	16	9314.87	78
A	Jul 2021	11	16	9311.57	72
L	Aug 2021	7	15	9306.36	64
*	Sep 2021	4	10	9302.48	59
	WY 2021	**92**	**102**		
	Oct 2021	5	5	9302.40	58
	Nov 2021	4	5	9302.04	58
	Dec 2021	4	5	9301.33	57
	Jan 2022	5	5	9301.30	57
	Feb 2022	4	4	9301.04	57
	Mar 2022	5	5	9301.22	57
	Apr 2022	10	15	9297.74	52
	May 2022	32	21	9305.73	63
	Jun 2022	58	27	9323.99	94
	Jul 2022	33	27	9326.98	100
	Aug 2022	13	24	9321.28	89
	Sep 2022	8	18	9315.79	79
	WY 2022	**180**	**159**		
	Oct 2022	7	9	9314.84	78
	Nov 2022	5	6	9314.46	77
	Dec 2022	5	6	9313.68	76
	Jan 2023	5	6	9312.88	75
	Feb 2023	4	6	9311.94	73
	Mar 2023	5	6	9311.15	72
	Apr 2023	10	15	9308.03	67
	May 2023	30	21	9313.62	76
	Jun 2023	51	27	9327.04	100
	Jul 2023	24	27	9325.50	97
	Aug 2023	11	24	9318.44	84
	Sep 2023	8	18	9312.52	74
	WY 2023	**165**	**171**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Blue Mesa Reservoir

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2020	20	22	0	66	0	66	7463.47	389
H	Nov 2020	25	25	0	18	0	18	7464.59	396
I	Dec 2020	21	22	0	21	0	21	7464.73	397
S	Jan 2021	22	23	0	19	0	19	7465.24	400
T	Feb 2021	20	22	0	21	0	21	7465.37	401
O	Mar 2021	29	30	0	32	0	32	7465.07	399
R	Apr 2021	47	46	1	79	0	79	7459.68	365
I	May 2021	90	83	1	96	2	98	7457.14	350
C	Jun 2021	127	119	1	77	0	77	7463.84	391
A	Jul 2021	53	58	1	98	0	98	7457.21	350
L	Aug 2021	45	53	1	93	0	93	7450.20	310
*	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	**518**	**528**	**6**	**713**	**2**	**715**		
	Oct 2021	24	24	0	61	0	61	7428.33	204
	Nov 2021	22	23	0	15	0	15	7429.93	211
	Dec 2021	19	20	0	16	0	16	7430.80	215
	Jan 2022	23	23	0	14	0	14	7432.71	223
	Feb 2022	22	22	0	13	0	13	7434.67	232
	Mar 2022	40	40	0	14	0	14	7440.11	258
	Apr 2022	100	104	0	31	0	31	7453.92	331
	May 2022	265	254	1	193	10	203	7462.25	381
	Jun 2022	379	348	1	64	0	64	7500.70	664
	Jul 2022	189	183	2	67	0	67	7513.93	778
	Aug 2022	76	87	1	84	0	84	7514.05	779
	Sep 2022	43	52	1	86	0	86	7510.15	745
	WY 2022	**1200**	**1179**	**7**	**658**	**10**	**668**		
	Oct 2022	42	43	1	87	0	87	7505.00	700
	Nov 2022	32	33	0	55	0	55	7502.33	678
	Dec 2022	26	28	0	114	0	114	7491.71	591
	Jan 2023	25	26	0	87	0	87	7483.78	530
	Feb 2023	23	25	0	56	0	56	7479.50	498
	Mar 2023	40	42	0	51	0	51	7478.23	489
	Apr 2023	93	98	1	69	0	69	7482.16	518
	May 2023	246	237	1	181	0	181	7489.48	574
	Jun 2023	334	310	1	105	0	105	7513.77	777
	Jul 2023	140	143	2	97	0	97	7518.68	821
	Aug 2023	69	83	1	89	0	89	7517.84	814
	Sep 2023	41	51	1	88	0	88	7513.68	776
	WY 2023	**1113**	**1119**	**9**	**1078**	**0**	**1078**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Morrow Point Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2020	21	66	1	67	66	0	66	7151.06	110
H	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
S	Jan 2021	23	19	1	21	23	0	23	7145.78	106
T	Feb 2021	21	21	1	22	21	0	21	7146.38	106
O	Mar 2021	30	32	1	33	35	0	35	7143.99	104
R	Apr 2021	49	79	1	81	82	0	82	7141.50	103
I	May 2021	93	98	4	102	91	0	91	7155.08	113
C	Jun 2021	132	77	4	81	85	0	85	7150.02	109
A	Jul 2021	54	98	1	99	97	0	97	7152.51	111
L	Aug 2021	46	93	1	93	94	0	94	7150.92	110
*	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	**539**	**715**	**21**	**736**	**734**	**0**	**734**		
	Oct 2021	26	61	2	63	62	0	62	7153.73	112
	Nov 2021	23	15	1	16	16	0	16	7153.73	112
	Dec 2021	20	16	1	17	17	0	17	7153.73	112
	Jan 2022	24	14	2	16	16	0	16	7153.73	112
	Feb 2022	23	13	2	15	14	0	14	7153.73	112
	Mar 2022	44	14	4	18	18	0	18	7153.73	112
	Apr 2022	111	31	12	42	42	0	42	7153.73	112
	May 2022	295	203	30	233	233	0	233	7153.73	112
	Jun 2022	409	64	30	94	94	0	94	7153.72	112
	Jul 2022	200	67	11	78	78	0	78	7153.73	112
	Aug 2022	80	84	4	88	88	0	88	7153.73	112
	Sep 2022	45	86	3	88	88	0	88	7153.73	112
	WY 2022	**1300**	**668**	**100**	**768**	**766**	**0**	**766**		
	Oct 2022	44	87	2	89	89	0	89	7153.73	112
	Nov 2022	34	55	2	57	57	0	57	7153.73	112
	Dec 2022	28	114	1	115	115	0	115	7153.73	112
	Jan 2023	26	87	1	88	88	0	88	7153.73	112
	Feb 2023	25	56	1	58	58	0	58	7153.73	112
	Mar 2023	43	51	3	54	53	0	53	7153.73	112
	Apr 2023	105	69	12	80	80	0	80	7153.73	112
	May 2023	274	181	28	208	208	0	208	7153.73	112
	Jun 2023	358	105	23	129	129	0	129	7153.72	112
	Jul 2023	147	97	7	104	104	0	104	7153.73	112
	Aug 2023	71	89	2	91	91	0	91	7153.73	112
	Sep 2023	43	88	1	89	89	0	89	7153.73	112
	WY 2023	**1197**	**1078**	**84**	**1163**	**1162**	**0**	**1162**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum 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)
*	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
H	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
S	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
T	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
O	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
R	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	36
I	May 2021	103	91	10	101	100	1	100	6753.35	17	64	37
C	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
A	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
L	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
*	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61	36
	WY 2021	**591**	**734**	**52**	**785**	**762**	**22**	**784**			**423**	**365**
	Oct 2021	30	62	4	66	56	10	66	6753.04	17	30	36
	Nov 2021	26	16	3	19	19	0	19	6753.04	17	0	19
	Dec 2021	23	17	3	20	20	0	20	6753.04	17	0	20
	Jan 2022	29	16	4	20	20	0	20	6753.04	17	0	20
	Feb 2022	27	14	4	18	18	0	18	6753.04	17	0	18
	Mar 2022	51	18	7	25	25	0	25	6753.04	17	5	20
	Apr 2022	127	42	16	58	43	15	58	6753.04	17	42	16
	May 2022	344	233	49	282	134	148	282	6753.04	17	62	220
	Jun 2022	471	94	62	156	130	26	156	6753.03	17	61	95
	Jul 2022	230	78	30	108	108	0	108	6753.04	17	65	43
	Aug 2022	90	88	10	98	98	0	98	6753.04	17	65	33
	Sep 2022	52	88	7	95	95	0	95	6753.04	17	55	40
	WY 2022	**1500**	**766**	**200**	**966**	**767**	**199**	**966**			**385**	**581**
	Oct 2022	50	89	6	96	52	43	95	6753.04	17	55	40
	Nov 2022	39	57	5	62	62	0	62	6753.04	17	0	62
	Dec 2022	32	115	5	120	120	0	120	6753.04	17	0	120
	Jan 2023	30	88	4	93	93	0	93	6753.04	17	0	93
	Feb 2023	29	58	4	61	61	0	61	6753.04	17	0	61
	Mar 2023	50	53	7	60	60	0	60	6753.04	17	5	55
	Apr 2023	117	80	12	92	92	0	92	6753.04	17	42	50
	May 2023	308	208	34	242	134	108	242	6753.04	17	62	180
	Jun 2023	398	129	40	169	130	39	169	6753.03	17	61	108
	Jul 2023	163	104	16	120	120	0	120	6753.04	17	65	55
	Aug 2023	79	91	8	99	99	0	99	6753.04	17	65	34
	Sep 2023	49	89	6	95	95	0	95	6753.04	17	55	40
	WY 2023	**1344**	**1162**	**147**	**1309**	**1118**	**190**	**1308**			**410**	**898**

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Vallecito Reservoir

— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2020	3	2	7620.99	30
H	Nov 2020	3	0	7623.08	33
I	Dec 2020	3	0	7624.62	36
S	Jan 2021	3	0	7626.24	38
T	Feb 2021	3	0	7627.63	41
O	Mar 2021	4	0	7629.73	44
R	Apr 2021	14	1	7636.28	57
I	May 2021	50	30	7645.56	77
C	Jun 2021	44	39	7647.63	81
A	Jul 2021	19	36	7639.49	63
L	Aug 2021	13	34	7628.72	43
*	Sep 2021	7	26	7615.74	24
	WY 2021	**166**	**169**		
	Oct 2021	7	16	7606.82	15
	Nov 2021	5	2	7610.17	18
	Dec 2021	5	2	7612.67	20
	Jan 2022	5	2	7615.31	23
	Feb 2022	5	2	7617.61	26
	Mar 2022	11	2	7623.98	35
	Apr 2022	29	2	7639.06	62
	May 2022	80	35	7658.01	107
	Jun 2022	96	77	7665.07	126
	Jul 2022	41	46	7662.99	120
	Aug 2022	22	38	7656.75	104
	Sep 2022	20	30	7652.78	94
	WY 2022	**325**	**252**		
	Oct 2022	17	17	7652.63	94
	Nov 2022	9	5	7654.31	98
	Dec 2022	6	5	7654.81	99
	Jan 2023	6	5	7655.01	99
	Feb 2023	5	4	7655.29	100
	Mar 2023	11	2	7658.75	109
	Apr 2023	28	11	7665.08	126
	May 2023	78	79	7664.33	124
	Jun 2023	84	82	7665.04	126
	Jul 2023	33	43	7661.03	115
	Aug 2023	20	38	7653.86	97
	Sep 2023	19	30	7649.45	86
	WY 2023	**316**	**320**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Navajo Reservoir

	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Oct 2020	6	0	6	1	9	42	6039.09	1103	42
H	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
S	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
T	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
O	Mar 2021	23	1	19	1	4	24	6033.31	1042	32
R	Apr 2021	82	13	57	2	20	32	6033.54	1045	31
I	May 2021	169	25	125	3	34	27	6039.27	1105	65
C	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
A	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
L	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
*	Sep 2021	-2	0	17	2	25	50	6024.10	951	49
	WY 2021	**463**	**60**	**407**	**23**	**222**	**361**			**549**
	Oct 2021	18	0	27	1	9	22	6023.47	898	34
	Nov 2021	19	0	16	1	0	31	6021.75	882	42
	Dec 2021	17	0	14	0	0	32	6019.77	864	42
	Jan 2022	21	0	18	0	0	28	6018.65	854	39
	Feb 2022	32	1	29	1	0	25	6019.02	857	36
	Mar 2022	103	10	84	1	5	28	6024.49	907	53
	Apr 2022	210	27	156	2	21	27	6035.45	1014	90
	May 2022	337	46	246	3	35	28	6051.92	1194	190
	Jun 2022	331	45	267	4	51	27	6066.55	1378	228
	Jul 2022	109	11	103	5	56	28	6067.64	1393	126
	Aug 2022	64	4	76	4	47	28	6067.44	1390	72
	Sep 2022	58	4	64	3	26	94	6063.02	1331	129
	WY 2022	**1320**	**148**	**1099**	**25**	**250**	**396**			**1081**
	Oct 2022	54	3	51	2	9	28	6063.98	1344	59
	Nov 2022	33	0	29	1	0	27	6064.04	1345	45
	Dec 2022	23	0	22	1	0	28	6063.54	1338	42
	Jan 2023	21	0	21	1	0	28	6062.95	1331	41
	Feb 2023	31	0	30	1	0	25	6063.27	1335	37
	Mar 2023	102	10	83	2	5	28	6066.90	1383	53
	Apr 2023	186	23	146	3	21	28	6073.69	1477	89
	May 2023	308	41	267	4	35	293	6069.11	1413	450
	Jun 2023	273	36	234	4	51	297	6060.13	1294	483
	Jul 2023	70	6	74	4	56	132	6050.46	1176	211
	Aug 2023	47	2	63	3	47	28	6049.21	1162	67
	Sep 2023	48	2	56	3	26	27	6049.28	1163	60
	WY 2023	**1196**	**124**	**1076**	**28**	**250**	**967**			**1638**

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Lake Powell

BUREAU OF RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
H	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
S	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
T	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
O	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	698
R	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	635
I	May 2021	543	495	20	624	0	624	3560.57	4723	8366	649
C	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
A	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	764
L	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
*	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	626
	WY 2021	**3502**	**4064**	**277**	**8229**	**0**	**8229**				**8280**
	Oct 2021	225	319	21	480	0	480	3542.92	4621	7089	495
	Nov 2021	285	305	20	500	0	500	3539.99	4605	6890	517
	Dec 2021	240	279	16	600	0	600	3535.28	4580	6578	616
	Jan 2022	437	437	4	723	0	723	3531.12	4558	6310	743
	Feb 2022	440	412	4	639	0	639	3527.72	4541	6095	663
	Mar 2022	786	622	8	675	0	675	3526.82	4537	6039	706
	Apr 2022	1448	1138	13	601	0	601	3534.45	4576	6524	619
	May 2022	3435	2878	18	599	0	599	3563.83	4743	8617	613
	Jun 2022	4586	3772	36	628	0	628	3597.31	4973	11495	637
	Jul 2022	2416	2128	52	709	0	709	3610.31	5075	12761	726
	Aug 2022	706	742	54	758	0	758	3609.66	5069	12696	775
	Sep 2022	596	745	50	568	0	568	3610.83	5079	12814	583
	WY 2022	**15600**	**13776**	**295**	**7480**	**0**	**7480**				**7693**
	Oct 2022	655	697	35	643	0	643	3611.01	5080	12832	657
	Nov 2022	510	599	34	642	0	642	3610.30	5075	12761	656
	Dec 2022	342	583	27	715	0	715	3608.84	5063	12614	726
	Jan 2023	368	578	8	857	0	857	3606.16	5042	12348	876
	Feb 2023	396	542	9	758	0	758	3604.04	5025	12139	780
	Mar 2023	656	650	15	801	0	801	3602.46	5013	11986	829
	Apr 2023	1124	998	23	713	0	713	3604.94	5032	12228	729
	May 2023	2609	2405	30	710	0	710	3620.07	5155	13770	719
	Jun 2023	3324	3014	51	745	0	745	3638.48	5320	15824	750
	Jul 2023	1373	1261	66	842	0	842	3641.25	5346	16151	858
	Aug 2023	510	573	66	900	0	900	3638.16	5317	15787	917
	Sep 2023	423	527	60	674	0	674	3636.52	5301	15596	689
	WY 2023	**12290**	**12426**	**422**	**9000**	**0**	**9000**				**9184**

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
H	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
S	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
T	Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
O	Mar 2021	700	33	31	945	15.4	15	936	675	1084.39	10378
R	Apr 2021	628	36	38	1057	17.8	22	1056	647	1079.30	9953
I	May 2021	624	28	43	1086	17.7	27	1077	616	1073.50	9480
C	Jun 2021	651	-14	51	956	16.1	32	945	592	1068.77	9102
A	Jul 2021	767	95	63	862	14.0	31	854	586	1067.65	9014
L	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
*	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	**8229**	**593**	**529**	**9396**		**241**	**9396**			
	Oct 2021	480	76	40	571	9.3	29	571	581	1066.66	8936
	Nov 2021	500	83	40	696	11.7	17	696	570	1064.60	8776
	Dec 2021	600	80	34	456	7.4	12	456	581	1066.74	8942
	Jan 2022	723	98	28	524	8.5	11	524	597	1069.81	9185
	Feb 2022	639	116	26	539	9.7	9	539	608	1071.94	9355
	Mar 2022	675	151	30	901	14.7	16	901	601	1070.52	9241
	Apr 2022	601	89	36	945	15.9	18	945	582	1066.84	8950
	May 2022	599	70	41	927	15.1	21	927	562	1062.96	8649
	Jun 2022	628	43	49	887	14.9	30	887	544	1059.32	8372
	Jul 2022	709	82	60	779	12.7	35	779	539	1058.29	8294
	Aug 2022	758	84	64	747	12.1	36	747	539	1058.23	8289
	Sep 2022	568	71	52	663	11.1	32	663	532	1056.87	8188
	WY 2022	**7480**	**1042**	**501**	**8637**		**266**	**8637**			
	Oct 2022	643	68	38	509	8.3	27	509	541	1058.59	8316
	Nov 2022	642	67	38	629	10.6	16	629	542	1058.90	8340
	Dec 2022	715	55	33	543	8.8	11	543	553	1061.17	8512
	Jan 2023	857	92	28	534	8.7	13	534	576	1065.73	8863
	Feb 2023	758	109	26	543	9.8	11	543	594	1069.16	9133
	Mar 2023	801	135	29	907	14.7	18	907	593	1068.94	9116
	Apr 2023	713	79	36	952	16.0	21	952	579	1066.36	8912
	May 2023	710	43	41	939	15.3	25	939	564	1063.30	8675
	Jun 2023	745	23	49	904	15.2	35	904	550	1060.60	8468
	Jul 2023	842	77	61	798	13.0	40	798	552	1060.83	8486
	Aug 2023	900	82	65	767	12.5	42	767	558	1062.16	8587
	Sep 2023	674	73	54	677	11.4	37	677	557	1061.90	8568
	WY 2023	**9000**	**902**	**499**	**8703**		**296**	**8703**			

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Davis Dam - Lake Mohave

BUREAU OF RECLAMATION

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
H	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
S	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
T	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
O	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
R	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
I	May 2021	1086	-10	22	1055	0	1055	17.2	642.32	1680
C	Jun 2021	956	-2	25	901	0	901	15.1	643.33	1708
A	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
L	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
*	Sep 2021	616	10	18	756	0	756	12.7	638.04	1565
	WY 2021	**9396**	**-118**	**198**	**9040**	**0**	**9040**			
	Oct 2021	571	-11	15	651	0	651	10.6	634.00	1460
	Nov 2021	696	-23	10	559	0	559	9.4	638.00	1564
	Dec 2021	456	-11	9	397	0	397	6.4	639.51	1604
	Jan 2022	524	-17	10	435	0	435	7.1	641.80	1666
	Feb 2022	539	-9	10	520	0	520	9.4	641.80	1666
	Mar 2022	901	-7	13	847	0	847	13.8	643.05	1700
	Apr 2022	945	-8	17	922	0	922	15.5	643.00	1699
	May 2022	927	-8	22	897	0	897	14.6	643.00	1699
	Jun 2022	887	-13	25	849	0	849	14.3	643.00	1699
	Jul 2022	779	-10	25	771	0	771	12.5	642.00	1671
	Aug 2022	747	-11	23	713	0	713	11.6	642.00	1671
	Sep 2022	663	-11	18	688	0	688	11.6	640.01	1617
	WY 2022	**8637**	**-138**	**197**	**8248**	**0**	**8248**			
	Oct 2022	509	-11	15	666	0	666	10.8	633.00	1434
	Nov 2022	629	-23	10	545	0	545	9.2	635.00	1486
	Dec 2022	543	-11	9	405	0	405	6.6	639.51	1604
	Jan 2023	534	-17	10	446	0	446	7.2	641.80	1666
	Feb 2023	543	-9	10	524	0	524	9.4	641.80	1666
	Mar 2023	907	-7	13	853	0	853	13.9	643.05	1700
	Apr 2023	952	-8	17	929	0	929	15.6	643.00	1699
	May 2023	939	-8	22	909	0	909	14.8	643.00	1699
	Jun 2023	904	-13	25	866	0	866	14.6	643.00	1699
	Jul 2023	798	-10	25	790	0	790	12.9	642.00	1671
	Aug 2023	767	-11	23	734	0	734	11.9	642.00	1671
	Sep 2023	677	-11	18	701	0	701	11.8	640.01	1617
	WY 2023	**8703**	**-138**	**197**	**8367**	**0**	**8367**			

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	66	1.1
H	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
S	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
T	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
O	Mar 2021	920	1	9	663	10.8	99	149	447.28	566	179	2.9
R	Apr 2021	1028	0	11	728	12.2	102	163	448.04	581	167	2.8
I	May 2021	1055	-2	13	746	12.1	107	168	448.51	590	145	2.4
C	Jun 2021	901	21	15	706	11.9	103	87	448.55	591	151	2.5
A	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
L	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
*	Sep 2021	756	6	15	516	8.7	97	106	448.49	590	112	1.9
	WY 2021	**9040**	**117**	**140**	**6393**		**1065**	**1441**			**1515**	
	Oct 2021	651	21	12	444	7.2	99	130	447.50	571	64	1.0
	Nov 2021	559	18	9	347	5.8	87	129	447.50	570	91	1.5
	Dec 2021	397	20	7	242	3.9	90	92	446.50	552	90	1.5
	Jan 2022	435	17	6	302	4.9	99	41	446.50	552	138	2.2
	Feb 2022	520	7	8	397	7.2	3	113	446.50	552	124	2.2
	Mar 2022	847	7	9	613	10.0	99	121	446.70	555	147	2.4
	Apr 2022	922	11	11	700	11.8	57	117	448.70	593	147	2.5
	May 2022	897	9	13	682	11.1	72	126	448.70	593	110	1.8
	Jun 2022	849	6	16	688	11.6	70	68	448.70	593	116	2.0
	Jul 2022	771	15	17	663	10.8	73	35	448.00	580	123	2.0
	Aug 2022	713	15	17	602	9.8	73	35	447.50	571	101	1.6
	Sep 2022	688	14	15	510	8.6	70	95	447.50	570	99	1.7
	WY 2022	**8248**	**161**	**139**	**6190**		**892**	**1102**			**1351**	
	Oct 2022	666	21	12	480	7.8	73	117	447.50	571	89	1.4
	Nov 2022	545	18	9	364	6.1	70	114	447.50	571	115	1.9
	Dec 2022	405	20	7	257	4.2	94	82	446.50	552	110	1.8
	Jan 2023	446	17	6	310	5.0	97	45	446.50	552	138	2.2
	Feb 2023	524	7	8	401	7.2	1	115	446.50	552	124	2.2
	Mar 2023	853	7	9	619	10.1	97	123	446.70	555	147	2.4
	Apr 2023	929	11	11	706	11.9	55	120	448.70	593	147	2.5
	May 2023	909	9	13	694	11.3	70	128	448.70	593	110	1.8
	Jun 2023	866	6	16	704	11.8	68	71	448.70	593	116	2.0
	Jul 2023	790	15	17	680	11.1	71	39	448.00	580	123	2.0
	Aug 2023	734	15	17	620	10.1	71	39	447.50	571	101	1.6
	Sep 2023	701	14	15	524	8.8	68	98	447.50	570	99	1.7
	WY 2023	**8367**	**161**	**139**	**6359**		**834**	**1090**			**1419**	

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Hoover Dam - Lake Mead

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
H	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
S	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
T	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
O	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
R	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
I	May 2021	1086	17.7	1073.50	9480	-473	423.99	1042.9	433.7	69	399.5
C	Jun 2021	956	16.1	1068.77	9102	-378	419.04	1451.0	366.8	100	383.7
A	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
L	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
*	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
	WY 2021	**9396**							**3643.8**		
	Oct 2021	571	9.3	1066.66	8936	-80	419.44	1228.0	212.1	87	371.1
	Nov 2021	696	11.7	1064.60	8776	-160	418.01	1246.0	260.5	89	374.2
	Dec 2021	456	7.4	1066.74	8942	166	418.58	949.4	170.9	67	374.5
	Jan 2022	524	8.5	1069.81	9185	242	419.88	968.0	193.6	68	369.8
	Feb 2022	539	9.7	1071.94	9355	170	422.44	870.0	204.8	61	380.2
	Mar 2022	901	14.7	1070.52	9241	-113	421.68	979.4	347.3	67	385.3
	Apr 2022	945	15.9	1066.84	8950	-291	416.60	1248.3	358.1	88	378.8
	May 2022	927	15.1	1062.96	8649	-301	413.44	1142.7	347.2	82	374.5
	Jun 2022	887	14.9	1059.32	8372	-277	409.83	1103.2	328.9	81	370.7
	Jul 2022	779	12.7	1058.29	8294	-78	405.86	1351.5	284.4	100	365.0
	Aug 2022	747	12.1	1058.23	8289	-4	405.65	1351.0	271.3	100	363.2
	Sep 2022	663	11.1	1056.87	8188	-102	405.59	1339.4	238.5	100	359.6
	WY 2022	**8637**							**3217.7**		
	Oct 2022	509	8.3	1058.59	8316	128	408.04	1354.0	186.9	100	367.2
	Nov 2022	629	10.6	1058.90	8340	24	414.08	1001.9	231.7	74	368.4
	Dec 2022	543	8.8	1061.17	8512	172	411.93	1187.6	196.8	86	362.4
	Jan 2023	534	8.7	1065.73	8863	351	413.04	1228.1	193.5	87	362.5
	Feb 2023	543	9.8	1069.16	9133	270	416.29	1249.2	201.4	87	370.8
	Mar 2023	907	14.7	1068.94	9116	-17	419.51	970.3	347.9	67	383.6
	Apr 2023	952	16.0	1066.36	8912	-203	415.57	1244.7	359.9	88	378.1
	May 2023	939	15.3	1063.30	8675	-237	413.37	1145.1	352.4	82	375.1
	Jun 2023	904	15.2	1060.60	8468	-207	410.63	1111.9	336.8	81	372.4
	Jul 2023	798	13.0	1060.83	8486	18	407.75	1373.1	293.6	100	367.8
	Aug 2023	767	12.5	1062.16	8587	101	408.85	1384.3	281.8	100	367.3
	Sep 2023	677	11.4	1061.90	8568	-20	410.02	1382.1	246.8	100	364.5
	WY 2023	**8703**							**3229.5**		

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

Model Run ID: 3166

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Davis Dam - Lake Mohave

BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
H	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
S	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
T	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
O	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
R	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
I	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
C	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
A	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
L	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
*	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
	WY 2021	**9040**							**1141.6**		
	Oct 2021	651	10.6	634.00	1460	-105	133.93	212.2	78.5	83	120.7
	Nov 2021	559	9.4	638.00	1564	104	134.40	164.9	67.7	65	121.1
	Dec 2021	397	6.4	639.51	1604	40	138.46	187.6	49.5	74	124.7
	Jan 2022	435	7.1	641.80	1666	62	140.07	159.6	54.9	63	126.2
	Feb 2022	520	9.4	641.80	1666	0	140.22	176.7	65.6	69	126.3
	Mar 2022	847	13.8	643.05	1700	34	139.11	255.0	106.2	100	125.3
	Apr 2022	922	15.5	643.00	1699	-2	139.11	255.0	115.6	100	125.3
	May 2022	897	14.6	643.00	1699	0	139.40	255.0	112.6	100	125.6
	Jun 2022	849	14.3	643.00	1699	0	139.51	255.0	106.7	100	125.7
	Jul 2022	771	12.5	642.00	1671	-27	139.64	255.0	97.0	100	125.8
	Aug 2022	713	11.6	642.00	1671	0	139.50	255.0	89.7	100	125.7
	Sep 2022	688	11.6	640.01	1617	-54	138.52	255.0	85.8	100	124.8
	WY 2022	**8248**							**1029.8**		
	Oct 2022	666	10.8	633.00	1434	-183	134.31	227.0	80.6	89	121.0
	Nov 2022	545	9.2	635.00	1486	51	132.49	159.8	65.0	63	119.4
	Dec 2022	405	6.6	639.51	1604	118	136.90	154.7	49.9	61	123.3
	Jan 2023	446	7.2	641.80	1666	62	139.99	156.3	56.2	61	126.1
	Feb 2023	524	9.4	641.80	1666	0	140.18	156.6	66.2	61	126.3
	Mar 2023	853	13.9	643.05	1700	34	139.08	194.1	106.9	76	125.3
	Apr 2023	929	15.6	643.00	1699	-2	139.06	249.9	116.4	98	125.3
	May 2023	909	14.8	643.00	1699	0	139.33	255.0	114.1	100	125.5
	Jun 2023	866	14.6	643.00	1699	0	139.41	255.0	108.7	100	125.6
	Jul 2023	790	12.9	642.00	1671	-27	139.53	255.0	99.3	100	125.7
	Aug 2023	734	11.9	642.00	1671	0	139.37	255.0	92.1	100	125.6
	Sep 2023	701	11.8	640.01	1617	-54	138.44	255.0	87.5	100	124.7
	WY 2023	**8367**							**1043.0**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Parker Dam - Lake Havasu

	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
*	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
H	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
S	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
T	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
O	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
R	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
I	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
C	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
A	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
L	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
*	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
	WY 2021	**6393**							**442.4**		
	Oct 2021	444	7.2	447.50	571	-19	76.53	94.8	29.3	79	65.9
	Nov 2021	347	5.8	447.50	570	0	76.29	90.0	22.6	75	65.0
	Dec 2021	242	3.9	446.50	552	-19	74.82	110.3	15.0	92	62.1
	Jan 2022	302	4.9	446.50	552	0	75.12	93.9	19.1	78	63.5
	Feb 2022	397	7.2	446.50	552	0	75.15	93.2	25.8	78	64.9
	Mar 2022	613	10.0	446.70	555	4	74.01	120.0	39.7	100	64.7
	Apr 2022	700	11.8	448.70	593	38	75.08	120.0	46.1	100	65.8
	May 2022	682	11.1	448.70	593	0	76.05	120.0	45.3	100	66.4
	Jun 2022	688	11.6	448.70	593	0	76.05	120.0	45.7	100	66.5
	Jul 2022	663	10.8	448.00	580	-13	75.71	120.0	43.8	100	66.1
	Aug 2022	602	9.8	447.50	571	-10	75.13	120.0	39.4	100	65.5
	Sep 2022	510	8.6	447.50	570	0	74.89	120.0	33.2	100	65.0
	WY 2022	**6190**							**404.9**		
	Oct 2022	480	7.8	447.50	571	0	76.09	93.9	31.6	78	65.8
	Nov 2022	364	6.1	447.50	571	0	76.29	90.0	23.7	75	65.2
	Dec 2022	257	4.2	446.50	552	-19	74.77	111.3	16.0	93	62.4
	Jan 2023	310	5.0	446.50	552	0	75.12	93.9	19.7	78	63.6
	Feb 2023	401	7.2	446.50	552	0	75.10	94.3	26.0	79	64.9
	Mar 2023	619	10.1	446.70	555	4	74.01	120.0	40.0	100	64.7
	Apr 2023	706	11.9	448.70	593	38	75.08	120.0	46.5	100	65.8
	May 2023	694	11.3	448.70	593	0	76.05	120.0	46.1	100	66.5
	Jun 2023	704	11.8	448.70	593	0	76.05	120.0	46.8	100	66.5
	Jul 2023	680	11.1	448.00	580	-13	75.71	120.0	45.0	100	66.2
	Aug 2023	620	10.1	447.50	571	-10	75.13	120.0	40.6	100	65.5
	Sep 2023	524	8.8	447.50	570	0	74.89	120.0	34.0	100	65.0
	WY 2023	**6359**							**416.2**		

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

Model Run ID: 3166

Processed On: 10/13/2021 9:27:00AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum Probable Inflow*

Upper Basin Power

— BUREAU OF — RECLAMATION

	Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	Oct 2020	277	24	18	22	9	0
H	Nov 2020	275	20	5	7	3	1
I	Dec 2020	304	24	5	7	3	3
S	Jan 2021	319	24	5	6	3	3
T	Feb 2021	278	21	5	6	2	3
O	Mar 2021	285	20	8	11	6	3
	Winter 2021	**1738**	**132**	**46**	**60**	**25**	**14**
R	Apr 2021	254	19	20	28	17	3
I	May 2021	249	36	24	32	20	3
C	Jun 2021	260	30	20	30	19	3
A	Jul 2021	303	24	27	34	20	3
L	Aug 2021	310	37	25	34	20	3
*	Sep 2021	238	36	24	33	19	2
	Summer 2021	**1614**	**182**	**140**	**190**	**114**	**17**
	Oct 2021	177	25	15	22	10	2
	Nov 2021	183	17	4	6	3	4
	Dec 2021	217	17	4	6	3	4
	Jan 2022	259	17	3	6	3	3
	Feb 2022	228	16	3	5	3	3
	Mar 2022	239	32	3	6	4	3
	Winter 2022	**1303**	**125**	**33**	**52**	**27**	**19**
	Apr 2022	214	31	8	15	7	5
	May 2022	223	52	52	84	23	7
	Jun 2022	251	96	18	34	22	8
	Jul 2022	298	91	21	28	19	8
	Aug 2022	323	47	26	32	17	7
	Sep 2022	243	39	27	32	16	3
	Summer 2022	**1554**	**355**	**152**	**225**	**105**	**38**
	Oct 2022	274	29	27	32	9	6
	Nov 2022	273	45	17	20	11	5
	Dec 2022	304	63	34	42	21	5
	Jan 2023	362	62	25	32	16	5
	Feb 2023	320	56	16	21	11	4
	Mar 2023	336	55	14	19	10	4
	Winter 2023	**1870**	**311**	**134**	**166**	**77**	**29**
	Apr 2023	299	53	20	29	16	5
	May 2023	303	42	53	75	23	6
	Jun 2023	329	95	32	46	22	8
	Jul 2023	380	26	31	38	21	8
	Aug 2023	406	36	28	33	17	6
	Sep 2023	304	36	28	32	16	5
	Summer 2023	**1717**	**253**	**163**	**220**	**99**	**32**

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2021 24-Month Study

Maximum 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****							****CREDITABLE SPACE****										
Oct 2021	908	588	798	17064	19358	18604	37962	908	588	798	2294	17064	18604	37962	3040	571	0	22.5
Nov 2021	958	626	804	17233	19620	18684	38304	958	626	804	2388	17233	18684	38304	3810	696	0	22.2
Dec 2021	977	619	819	17432	19847	18844	38691	977	619	819	2415	17432	18844	38691	4580	456	0	22.0
Jan 2022	1,007	615	837	17744	20203	18678	38880	1007	615	837	2459	17744	18678	38880	5350	524	0	22.1
								****EFFECTIVE SPACE****										
Jan 2022	1,007	615	837	17744	20203	18678	38880	904	611	713	2228	17744	18678	38650	5350	524	0	22.1
Feb 2022	1,012	606	847	18012	20478	18435	38913	906	603	722	2231	18012	18435	38679	1500	539	0	22.0
Mar 2022	1,003	597	844	18227	20671	18265	38936	893	594	718	2206	18227	18265	38698	1500	901	0	22.1
Apr 2022	931	571	794	18283	20579	18379	38958	815	568	662	2045	18283	18379	38707	1500	945	0	22.6
May 2022	833	498	688	17798	19817	18670	38487	710	498	533	1742	17798	18670	38209	1500	927	0	24.8
Jun 2022	581	448	508	15705	17242	18971	36213	443	437	315	1195	15705	18971	35870	1500	887	0	28.2
Jul 2022	313	166	323	12827	13629	19248	32877	152	122	75	349	12827	19248	32424	1500	779	0	29.6
								****CREDITABLE SPACE****										
Aug 2022	182	51	308	11561	12103	19326	31429	182	51	308	542	11561	19326	31429	1500	747	0	29.5
Sep 2022	210	50	311	11626	12197	19331	31527	210	50	311	571	11626	19331	31527	2270	663	0	29.3
Oct 2022	262	85	370	11508	12225	19432	31657	262	85	370	717	11508	19432	31657	3040	509	0	29.2
Nov 2022	282	129	357	11490	12259	19304	31563	282	129	357	769	11490	19304	31563	3810	629	0	29.1
Dec 2022	357	152	357	11561	12427	19280	31706	357	152	357	865	11561	19280	31706	4580	543	0	29.0
Jan 2023	504	238	363	11708	12814	19108	31921	504	238	363	1106	11708	19108	31921	5350	534	0	28.9
								****EFFECTIVE SPACE****										
Jan 2023	504	238	363	11708	12814	19108	31921	269	238	25	533	11708	19108	31349	5350	534	0	29.0
Feb 2023	644	299	371	11974	13288	18757	32045	410	299	32	742	11974	18757	31473	1500	543	0	28.9
Mar 2023	762	331	367	12183	13642	18487	32129	529	331	27	887	12183	18487	31557	1500	907	0	28.7
Apr 2023	807	340	318	12336	13802	18504	32306	572	340	-29	884	12336	18504	31724	1500	952	0	28.9
May 2023	824	312	224	12094	13453	18708	32161	585	312	-146	750	12094	18708	31551	1500	939	0	30.4
Jun 2023	636	256	288	10552	11731	18945	30676	385	256	-121	520	10552	18945	30016	1500	904	0	32.5
Jul 2023	461	53	407	8498	9419	19152	28570	192	43	-58	177	8498	19152	27827	1500	798	0	32.9
								****CREDITABLE SPACE****										
Aug 2023	291	8	525	8171	8995	19134	28129	291	8	525	824	8171	19134	28129	1500	767	0	32.6
Sep 2023	319	16	539	8535	9409	19033	28442	319	16	539	875	8535	19033	28442	2270	677	0	32.2

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