



To: All Annual Operating Plan (AOP) Recipients

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

In addition to the March 2021 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs 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 Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:  
<https://www.usbr.gov/lc/region/g4000/24mo/2021/March-Chart.pdf>.

The water year 2021 unregulated inflow into Lake Powell in the March Probable Minimum inflow scenario is 3.49 maf, or 32 percent of average. Consistent with the Interim Guidelines, the March Probable Minimum 24-Month Study results in a projected release volume from Glen Canyon Dam of 8.23 maf in water year 2021 and 7.48 maf in water year 2022. With intervening flows between Lake Powell and Lake Mead of 0.68 maf in water year 2021, Lake Mead's elevation is projected to be 1,068.74 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>.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
* Mar 2020	54	1	65	0	65	6473.94	136
H Apr 2020	83	1	73	0	73	6475.89	145
I May 2020	161	1	101	0	101	6486.37	203
S Jun 2020	288	2	107	73	180	6501.43	309
T Jul 2020	145	3	99	23	121	6504.12	330
O Aug 2020	41	2	74	0	74	6499.62	295
R Sep 2020	25	2	26	35	61	6494.55	258
<b>WY 2020</b>	<b>996</b>	<b>15</b>	<b>856</b>	<b>137</b>	<b>993</b>		
I Oct 2020	32	1	0	55	55	6490.95	225
C Nov 2020	33	1	17	35	52	6487.89	205
A Dec 2020	27	1	50	1	51	6483.85	180
L Jan 2021	25	1	48	2	51	6479.03	153
* Feb 2021	24	0	46	0	46	6474.49	132
Mar 2021	39	0	48	0	48	6472.45	129
Apr 2021	33	1	37	0	37	6471.43	124
May 2021	68	1	38	0	38	6477.50	153
Jun 2021	112	2	37	0	37	6489.88	226
Jul 2021	66	2	46	0	46	6492.46	244
Aug 2021	38	2	46	0	46	6491.03	234
Sep 2021	30	2	41	7	48	6488.11	215
<b>WY 2021</b>	<b>528</b>	<b>14</b>	<b>455</b>	<b>100</b>	<b>555</b>		
Oct 2021	37	1	49	0	49	6485.95	201
Nov 2021	39	1	51	0	51	6483.92	188
Dec 2021	31	1	52	0	52	6480.11	167
Jan 2022	29	1	52	0	52	6475.41	143
Feb 2022	27	0	47	0	47	6470.79	122
Mar 2022	48	0	51	0	51	6469.93	118
Apr 2022	67	1	48	0	48	6474.21	137
May 2022	123	1	61	0	61	6485.30	197
Jun 2022	187	2	90	0	90	6499.10	291
Jul 2022	97	3	74	0	74	6501.75	311
Aug 2022	47	2	65	0	65	6499.01	291
Sep 2022	34	2	38	22	60	6495.28	264
<b>WY 2022</b>	<b>764</b>	<b>14</b>	<b>679</b>	<b>22</b>	<b>700</b>		
Oct 2022	37	1	61	0	61	6491.63	238
Nov 2022	40	1	60	0	60	6488.65	218
Dec 2022	33	1	61	0	61	6483.98	189
Jan 2023	31	1	61	0	61	6478.43	158
Feb 2023	29	0	56	0	56	6472.75	130

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Minimum Probable Inflow\*

### Flaming Gorge Reservoir



— BUREAU OF —  
RECLAMATION

	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)
*	Mar 2020	104	117	3	119	0	119	130	6026.61	3220	228
H	Apr 2020	111	104	5	112	0	112	129	6026.26	3207	308
I	May 2020	217	158	8	98	31	129	130	6026.81	3228	672
S	Jun 2020	342	236	10	157	31	188	131	6027.76	3263	530
T	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
O	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
R	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	<b>WY 2020</b>	<b>1255</b>	<b>1251</b>	<b>80</b>	<b>1333</b>	<b>62</b>	<b>1395</b>				<b>2825</b>
I	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
C	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
A	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
L	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	85
*	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
	Mar 2021	70	79	3	53	0	53	127	6025.19	3167	98
	Apr 2021	45	49	5	51	0	51	127	6025.01	3161	129
	May 2021	89	59	8	60	0	60	127	6024.78	3152	253
	Jun 2021	130	55	10	87	0	87	125	6023.66	3111	237
	Jul 2021	66	46	13	53	0	53	124	6023.15	3092	80
	Aug 2021	39	47	12	53	0	53	124	6022.68	3075	65
	Sep 2021	31	49	11	51	0	51	123	6022.33	3063	60
	<b>WY 2021</b>	<b>618</b>	<b>646</b>	<b>77</b>	<b>706</b>	<b>0</b>	<b>706</b>				<b>1341</b>
	Oct 2021	40	53	7	53	0	53	123	6022.14	3056	77
	Nov 2021	42	54	3	51	0	51	123	6022.13	3056	80
	Dec 2021	29	50	2	53	0	53	123	6022.02	3052	78
	Jan 2022	36	59	2	53	0	53	123	6022.15	3056	78
	Feb 2022	40	61	2	48	0	48	123	6022.43	3066	73
	Mar 2022	87	90	3	53	0	53	125	6023.34	3099	119
	Apr 2022	98	79	5	51	0	51	126	6023.93	3121	214
	May 2022	171	110	8	53	0	53	128	6025.24	3169	445
	Jun 2022	222	125	10	95	0	95	128	6025.77	3189	338
	Jul 2022	99	76	13	60	0	60	128	6025.85	3192	85
	Aug 2022	47	66	12	80	0	80	127	6025.16	3166	93
	Sep 2022	35	60	11	77	0	77	126	6024.42	3139	88
	<b>WY 2022</b>	<b>946</b>	<b>883</b>	<b>77</b>	<b>726</b>	<b>0</b>	<b>726</b>				<b>1766</b>
	Oct 2022	42	66	7	56	0	56	126	6024.50	3142	81
	Nov 2022	46	65	3	51	0	51	127	6024.78	3152	82
	Dec 2022	33	62	2	56	0	56	127	6024.89	3156	83
	Jan 2023	40	70	2	56	0	56	128	6025.22	3168	83
	Feb 2023	44	71	2	51	0	51	128	6025.69	3186	75

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
*	Mar 2020	5	6	9310.81	71
H	Apr 2020	7	6	9311.67	73
I	May 2020	24	10	9319.44	86
S	Jun 2020	22	16	9322.93	92
T	Jul 2020	8	17	9317.91	83
O	Aug 2020	4	14	9311.83	73
R	Sep 2020	5	9	9309.62	69
<b>WY 2020</b>		<b>101</b>	<b>113</b>		
I	Oct 2020	4	5	9308.95	68
C	Nov 2020	4	5	9308.44	67
A	Dec 2020	4	5	9307.73	66
L	Jan 2021	4	5	9306.89	65
*	Feb 2021	3	5	9305.99	64
	Mar 2021	3	4	9305.59	63
	Apr 2021	5	4	9306.44	64
	May 2021	16	9	9310.80	71
	Jun 2021	25	15	9316.60	81
	Jul 2021	9	18	9311.38	72
	Aug 2021	6	15	9305.67	63
	Sep 2021	6	12	9301.25	57
<b>WY 2021</b>		<b>89</b>	<b>102</b>		
	Oct 2021	6	6	9301.10	57
	Nov 2021	5	5	9300.74	56
	Dec 2021	4	5	9299.94	55
	Jan 2022	4	5	9298.97	54
	Feb 2022	4	5	9298.14	53
	Mar 2022	4	5	9297.37	52
	Apr 2022	8	6	9298.59	53
	May 2022	22	12	9305.56	63
	Jun 2022	30	18	9313.30	75
	Jul 2022	11	21	9306.89	65
	Aug 2022	7	18	9299.34	54
	Sep 2022	6	15	9292.33	45
<b>WY 2022</b>		<b>110</b>	<b>121</b>		
	Oct 2022	6	6	9292.40	46
	Nov 2022	5	5	9292.35	45
	Dec 2022	5	5	9291.92	45
	Jan 2023	4	5	9291.13	44
	Feb 2023	4	5	9290.34	43

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
* Mar 2020	34	36	0	38	0	38	7483.85	534
H Apr 2020	50	49	1	73	0	73	7480.49	510
I May 2020	153	140	1	82	17	99	7485.88	550
S Jun 2020	139	131	1	83	3	85	7491.64	594
T Jul 2020	46	55	1	92	1	92	7486.61	555
O Aug 2020	26	36	1	95	0	95	7478.53	495
R Sep 2020	23	26	1	80	2	82	7470.42	439
<b>WY 2020</b>	<b>607</b>	<b>619</b>	<b>8</b>	<b>806</b>	<b>26</b>	<b>908</b>		
I Oct 2020	20	22	0	66	0	66	7463.47	389
C Nov 2020	25	25	0	18	0	18	7464.59	396
A Dec 2020	21	22	0	21	0	21	7464.73	397
L Jan 2021	22	23	0	19	0	19	7465.24	400
* Feb 2021	20	22	0	21	0	21	7465.37	401
Mar 2021	31	32	0	22	0	22	7466.85	411
Apr 2021	40	39	1	48	0	48	7465.39	401
May 2021	103	96	1	55	0	55	7471.50	442
Jun 2021	136	126	1	57	0	57	7481.01	509
Jul 2021	51	60	1	80	0	80	7478.09	488
Aug 2021	37	46	1	0	80	80	7473.17	453
Sep 2021	28	34	1	0	74	74	7467.14	412
<b>WY 2021</b>	<b>534</b>	<b>546</b>	<b>7</b>	<b>406</b>	<b>154</b>	<b>561</b>		
Oct 2021	32	33	0	6	64	70	7461.23	375
Nov 2021	29	30	0	15	0	15	7463.55	389
Dec 2021	25	26	0	16	0	16	7465.16	400
Jan 2022	24	25	0	16	0	16	7466.55	409
Feb 2022	22	23	0	14	0	14	7467.91	418
Mar 2022	34	35	0	18	0	18	7470.49	435
Apr 2022	63	62	1	42	0	42	7473.32	454
May 2022	148	138	1	110	0	110	7477.16	481
Jun 2022	179	167	1	65	0	65	7490.60	582
Jul 2022	62	72	1	79	0	79	7489.59	574
Aug 2022	45	56	1	79	0	79	7486.40	550
Sep 2022	30	39	1	74	0	74	7481.64	514
<b>WY 2022</b>	<b>694</b>	<b>705</b>	<b>8</b>	<b>532</b>	<b>64</b>	<b>596</b>		
Oct 2022	33	33	0	70	0	70	7476.53	477
Nov 2022	30	30	0	23	0	23	7477.46	484
Dec 2022	27	27	0	24	0	24	7477.80	486
Jan 2023	25	26	0	25	0	25	7477.94	487
Feb 2023	23	24	0	22	0	22	7478.16	489

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
*	Mar 2020	36	38	2	40	42	0	42	7145.65	106
H	Apr 2020	54	73	4	77	76	0	76	7147.10	107
I	May 2020	162	99	10	109	109	0	109	7146.72	107
S	Jun 2020	142	85	4	89	85	0	85	7152.13	111
T	Jul 2020	47	92	1	93	93	0	93	7152.06	111
O	Aug 2020	27	95	1	96	95	0	97	7151.26	110
R	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	<b>WY 2020</b>	<b>632</b>	<b>908</b>	<b>25</b>	<b>933</b>	<b>917</b>	<b>0</b>	<b>933</b>		
I	Oct 2020	21	66	1	67	66	0	66	7151.06	110
C	Nov 2020	27	18	2	20	23	0	23	7147.26	107
A	Dec 2020	24	21	3	24	23	0	23	7148.38	108
L	Jan 2021	23	19	1	21	23	0	23	7145.78	106
*	Feb 2021	21	21	1	22	21	0	21	7146.38	106
	Mar 2021	34	22	3	25	19	0	19	7153.73	112
	Apr 2021	45	48	5	53	53	0	53	7153.73	112
	May 2021	111	55	8	63	63	0	63	7153.73	112
	Jun 2021	142	57	6	63	63	0	63	7153.72	112
	Jul 2021	52	80	1	80	80	0	80	7153.73	112
	Aug 2021	38	80	1	81	81	0	81	7153.73	112
	Sep 2021	29	74	2	76	76	0	76	7153.73	112
	<b>WY 2021</b>	<b>568</b>	<b>561</b>	<b>35</b>	<b>595</b>	<b>591</b>	<b>0</b>	<b>591</b>		
	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	110	15	125	125	0	125	7153.73	112
	Jun 2022	189	65	10	75	74	0	74	7153.72	112
	Jul 2022	64	79	2	81	81	0	81	7153.73	112
	Aug 2022	47	79	2	81	81	0	81	7153.73	112
	Sep 2022	32	74	2	75	75	0	75	7153.73	112
	<b>WY 2022</b>	<b>746</b>	<b>596</b>	<b>52</b>	<b>648</b>	<b>647</b>	<b>0</b>	<b>647</b>		
	Oct 2022	35	70	2	72	72	0	72	7153.73	112
	Nov 2022	32	23	2	25	25	0	25	7153.73	112
	Dec 2022	28	24	2	26	26	0	26	7153.73	112
	Jan 2023	27	25	2	27	27	0	27	7153.73	112
	Feb 2023	25	22	2	24	24	0	24	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
* Mar 2020	42	42	6	47	45	1	46	6754.38	17	11	33
H Apr 2020	59	76	5	81	81	0	81	6754.37	17	55	26
I May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
S Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
T Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
O Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
R Sep 2020	25	84	1	85	59	27	85	6749.98	16	59	28
<b>WY 2020</b>	<b>683</b>	<b>933</b>	<b>51</b>	<b>984</b>	<b>905</b>	<b>72</b>	<b>984</b>			<b>447</b>	<b>535</b>
I Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
C Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
A Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
L Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
* Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
Mar 2021	38	19	4	23	0	22	22	6753.04	17	5	17
Apr 2021	52	53	7	60	60	0	60	6753.04	17	42	18
May 2021	128	63	17	80	80	0	80	6753.04	17	62	18
Jun 2021	162	63	20	83	83	0	83	6753.03	17	61	22
Jul 2021	57	80	6	86	86	0	86	6753.04	17	65	21
Aug 2021	43	81	5	86	86	0	86	6753.04	17	65	21
Sep 2021	34	76	5	80	52	29	80	6753.04	17	55	25
<b>WY 2021</b>	<b>642</b>	<b>591</b>	<b>74</b>	<b>665</b>	<b>594</b>	<b>70</b>	<b>664</b>			<b>398</b>	<b>261</b>
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	125	18	143	134	9	143	6753.04	17	62	81
Jun 2022	207	74	18	92	92	0	92	6753.03	17	61	31
Jul 2022	70	81	6	86	86	0	86	6753.04	17	65	21
Aug 2022	52	81	5	86	86	0	86	6753.04	17	65	21
Sep 2022	37	75	5	80	48	32	80	6753.04	17	55	25
<b>WY 2022</b>	<b>833</b>	<b>647</b>	<b>88</b>	<b>735</b>	<b>693</b>	<b>41</b>	<b>734</b>			<b>385</b>	<b>349</b>
Oct 2022	41	72	6	78	78	0	78	6753.04	17	55	23
Nov 2022	37	25	4	30	30	0	30	6753.04	17	0	30
Dec 2022	33	26	5	31	31	0	31	6753.04	17	0	31
Jan 2023	31	27	4	31	31	0	31	6753.04	17	0	31
Feb 2023	29	24	4	28	28	0	28	6753.04	17	0	28

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
*	Mar 2020	6	2	7648.55	84
H	Apr 2020	16	4	7653.32	95
I	May 2020	66	37	7664.35	124
S	Jun 2020	38	48	7660.61	114
T	Jul 2020	11	38	7649.57	86
O	Aug 2020	5	36	7635.21	54
R	Sep 2020	4	28	7620.77	30
<b>WY 2020</b>		<b>167</b>	<b>213</b>		
I	Oct 2020	3	2	7620.99	30
C	Nov 2020	3	0	7623.08	33
A	Dec 2020	3	0	7624.62	36
L	Jan 2021	3	0	7626.24	38
*	Feb 2021	3	0	7627.63	41
	Mar 2021	4	0	7629.49	44
	Apr 2021	8	0	7633.60	52
	May 2021	24	20	7635.79	56
	Jun 2021	24	27	7633.75	52
	Jul 2021	9	27	7622.79	33
	Aug 2021	9	25	7609.38	17
	Sep 2021	12	19	7600.26	9
<b>WY 2021</b>		<b>103</b>	<b>122</b>		
	Oct 2021	11	11	7600.58	10
	Nov 2021	8	2	7607.20	15
	Dec 2021	7	2	7611.90	20
	Jan 2022	5	2	7614.97	23
	Feb 2022	5	2	7617.68	26
	Mar 2022	8	2	7622.04	32
	Apr 2022	19	2	7632.26	49
	May 2022	58	31	7645.35	76
	Jun 2022	47	42	7647.29	81
	Jul 2022	15	41	7635.21	55
	Aug 2022	14	38	7621.03	31
	Sep 2022	14	30	7606.96	15
<b>WY 2022</b>		<b>211</b>	<b>203</b>		
	Oct 2022	11	16	7600.78	10
	Nov 2022	8	2	7607.70	15
	Dec 2022	7	2	7612.70	20
	Jan 2023	6	2	7616.03	24
	Feb 2023	5	2	7618.82	28

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Minimum Probable Inflow\*

### Navajo Reservoir



— BUREAU OF —  
RECLAMATION

	Mod Unreg	Azotea	Reg	Evap	NIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Mar 2020	35	2	30	2	5	26	6055.57	1292	35
H Apr 2020	80	11	60	2	25	29	6055.92	1297	37
I May 2020	199	27	142	4	37	32	6061.48	1367	122
S Jun 2020	65	8	64	4	41	31	6060.49	1354	96
T Jul 2020	3	1	29	4	47	47	6054.99	1285	58
O Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
R Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
<b>WY 2020</b>	<b>431</b>	<b>48</b>	<b>429</b>	<b>27</b>	<b>230</b>	<b>411</b>			<b>671</b>
I Oct 2020	6	0	6	1	9	42	6039.09	1103	46
C Nov 2020	17	0	14	1	0	22	6038.29	1094	38
A Dec 2020	10	0	7	1	0	22	6036.88	1079	33
L Jan 2021	12	0	10	1	0	24	6035.47	1065	33
* Feb 2021	13	0	11	1	1	22	6034.25	1052	32
Mar 2021	35	1	31	1	5	24	6034.26	1052	33
Apr 2021	55	4	44	2	21	34	6033.03	1039	48
May 2021	96	10	81	3	35	45	6032.90	1038	86
Jun 2021	77	8	72	3	51	51	6029.59	1004	96
Jul 2021	17	0	36	3	56	61	6020.91	920	78
Aug 2021	14	0	30	3	47	49	6013.41	852	64
Sep 2021	23	0	30	2	26	37	6009.46	817	57
<b>WY 2021</b>	<b>375</b>	<b>22</b>	<b>372</b>	<b>21</b>	<b>251</b>	<b>431</b>			<b>646</b>
Oct 2021	28	0	28	1	9	26	6008.43	809	46
Nov 2021	27	0	21	1	0	19	6008.64	810	35
Dec 2021	22	0	17	0	0	17	6008.57	810	32
Jan 2022	20	0	16	0	0	19	6008.15	806	33
Feb 2022	26	0	22	1	0	14	6008.96	813	26
Mar 2022	75	6	63	1	5	15	6013.64	854	34
Apr 2022	112	12	83	2	21	15	6018.72	900	55
May 2022	202	25	149	3	35	15	6028.75	996	131
Jun 2022	130	15	110	3	51	21	6032.24	1031	132
Jul 2022	19	0	44	3	56	40	6026.72	976	79
Aug 2022	17	0	40	3	47	40	6021.54	926	66
Sep 2022	23	0	38	2	26	33	6019.17	904	56
<b>WY 2022</b>	<b>700</b>	<b>60</b>	<b>633</b>	<b>20</b>	<b>250</b>	<b>276</b>			<b>724</b>
Oct 2022	29	1	34	1	9	25	6018.96	902	45
Nov 2022	30	0	24	1	0	18	6019.48	907	35
Dec 2022	25	0	20	0	0	15	6019.94	911	31
Jan 2023	22	0	18	0	0	15	6020.14	913	29
Feb 2023	30	0	26	1	0	14	6021.37	925	26

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
*	Mar 2020	475	505	15	700	0	700	3600.71	4999	11818	719
H	Apr 2020	475	510	23	630	0	630	3599.32	4989	11685	652
I	May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
S	Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
T	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
O	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
R	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
<b>WY 2020</b>		<b>5848</b>	<b>6543</b>	<b>372</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8425</b>
I	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
C	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
A	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
L	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
*	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	666
	Mar 2021	330	292	11	700	0	700	3566.63	4761	8837	713
	Apr 2021	259	275	17	628	0	628	3562.24	4733	8494	643
	May 2021	606	523	20	628	0	628	3560.73	4724	8379	635
	Jun 2021	710	622	31	651	0	651	3560.01	4720	8324	655
	Jul 2021	246	360	36	765	0	765	3554.54	4687	7915	772
	Aug 2021	194	332	34	802	0	802	3548.08	4650	7448	820
	Sep 2021	230	337	31	620	0	620	3543.92	4626	7158	636
<b>WY 2021</b>		<b>3494</b>	<b>3957</b>	<b>276</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8331</b>
	Oct 2021	360	417	21	480	0	480	3542.79	4620	7080	489
	Nov 2021	416	403	20	500	0	500	3541.19	4611	6972	514
	Dec 2021	332	341	16	600	0	600	3537.40	4591	6717	613
	Jan 2022	320	329	4	723	0	723	3531.73	4562	6349	742
	Feb 2022	366	355	4	639	0	639	3527.51	4540	6082	656
	Mar 2022	572	474	8	675	0	675	3524.38	4525	5888	693
	Apr 2022	722	589	12	601	0	601	3524.01	4523	5866	618
	May 2022	1551	1268	15	599	0	599	3533.65	4571	6472	607
	Jun 2022	1650	1364	25	628	0	628	3543.52	4624	7130	632
	Jul 2022	375	429	31	709	0	709	3539.28	4601	6843	718
	Aug 2022	254	392	30	758	0	758	3533.70	4572	6475	775
	Sep 2022	290	412	27	568	0	568	3531.06	4558	6306	583
<b>WY 2022</b>		<b>7208</b>	<b>6774</b>	<b>214</b>	<b>7480</b>	<b>0</b>	<b>7480</b>				<b>7640</b>
	Oct 2022	371	428	18	643	0	643	3527.63	4541	6089	655
	Nov 2022	443	430	18	642	0	642	3524.18	4524	5876	645
	Dec 2022	364	375	14	715	0	715	3518.73	4498	5549	718
	Jan 2023	355	365	4	750	0	750	3512.51	4469	5189	759
	Feb 2023	399	390	4	670	0	670	3507.81	4448	4926	681

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
* Mar 2020	700	156	33	593	9.6	12	574	755	1098.59	11610
H Apr 2020	630	83	41	862	14.5	18	853	742	1096.39	11415
I May 2020	629	33	46	1057	17.2	31	1059	713	1091.32	10971
S Jun 2020	650	19	55	973	16.4	31	978	689	1087.07	10605
T Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
O Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
R Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
<b>WY 2020</b>	<b>8230</b>	<b>863</b>	<b>553</b>	<b>8263</b>		<b>255</b>	<b>8267</b>			
I Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
C Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
A Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
L Jan 2021	763	74	30	593	9.6	13	616	683	1085.95	10510
* Feb 2021	675	56	28	574	10.3	9	580	690	1087.26	10622
Mar 2021	700	64	31	943	15.3	13	943	677	1084.78	10411
Apr 2021	628	72	39	1014	17.0	15	1014	654	1080.66	10066
May 2021	628	36	44	1032	16.8	19	1032	628	1075.74	9661
Jun 2021	651	21	52	932	15.7	29	932	607	1071.77	9341
Jul 2021	765	36	64	851	13.8	34	851	598	1070.03	9202
Aug 2021	802	90	68	800	13.0	35	800	597	1069.89	9191
Sep 2021	620	78	55	708	11.9	31	708	592	1068.74	9100
<b>WY 2021</b>	<b>8230</b>	<b>676</b>	<b>532</b>	<b>9389</b>		<b>240</b>	<b>9428</b>			
Oct 2021	480	43	40	611	9.9	25	611	582	1066.91	8956
Nov 2021	500	69	40	634	10.7	13	634	575	1065.48	8844
Dec 2021	600	64	34	519	8.4	8	519	581	1066.72	8940
Jan 2022	723	95	28	537	8.7	11	537	596	1069.60	9168
Feb 2022	639	83	26	641	11.5	9	641	599	1070.16	9212
Mar 2022	675	86	29	922	15.0	15	922	586	1067.71	9019
Apr 2022	601	83	36	990	16.6	17	990	564	1063.38	8682
May 2022	599	41	40	970	15.8	21	970	540	1058.56	8314
Jun 2022	628	20	48	929	15.6	29	929	519	1054.06	7979
Jul 2022	709	43	59	819	13.3	33	819	509	1052.03	7830
Aug 2022	758	84	62	787	12.8	34	787	506	1051.49	7791
Sep 2022	568	71	51	702	11.8	31	702	498	1049.62	7655
<b>WY 2022</b>	<b>7480</b>	<b>783</b>	<b>493</b>	<b>9062</b>		<b>246</b>	<b>9062</b>			
Oct 2022	643	58	37	547	8.9	26	547	503	1050.81	7742
Nov 2022	642	71	37	665	11.2	15	665	503	1050.76	7738
Dec 2022	715	67	32	564	9.2	10	564	514	1053.02	7903
Jan 2023	750	95	27	539	8.8	11	539	530	1056.43	8155
Feb 2023	670	97	25	634	11.4	9	634	536	1057.69	8249

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
* Mar 2020	593	3	13	549	0	549	8.9	643.32	1708
H Apr 2020	862	4	17	861	0	861	14.5	642.91	1696
I May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
S Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
T Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
O Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
R Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
<b>WY 2020</b>	<b>8263</b>	<b>-50</b>	<b>198</b>	<b>8063</b>	<b>0</b>	<b>8063</b>			
I Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
C Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
A Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
L Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
* Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
Mar 2021	943	-7	13	927	0	927	15.1	642.50	1685
Apr 2021	1014	-8	17	976	0	976	16.4	643.00	1699
May 2021	1032	-8	22	1002	0	1002	16.3	643.00	1699
Jun 2021	932	-13	25	893	0	893	15.0	643.00	1699
Jul 2021	851	-10	25	843	0	843	13.7	642.00	1671
Aug 2021	800	-11	23	767	0	767	12.5	642.00	1671
Sep 2021	708	-11	18	759	0	759	12.8	639.01	1591
<b>WY 2021</b>	<b>9389</b>	<b>-140</b>	<b>198</b>	<b>8985</b>	<b>0</b>	<b>8985</b>			
Oct 2021	611	-11	15	742	0	742	12.1	633.00	1434
Nov 2021	634	-23	10	550	0	550	9.2	635.00	1486
Dec 2021	519	-11	9	381	0	381	6.2	639.51	1604
Jan 2022	537	-17	10	449	0	449	7.3	641.80	1666
Feb 2022	641	-9	10	622	0	622	11.2	641.80	1666
Mar 2022	922	-7	13	868	0	868	14.1	643.05	1700
Apr 2022	990	-8	17	967	0	967	16.3	643.00	1699
May 2022	970	-8	22	940	0	940	15.3	643.00	1699
Jun 2022	929	-13	25	890	0	890	15.0	643.00	1699
Jul 2022	819	-10	25	811	0	811	13.2	642.00	1671
Aug 2022	787	-11	23	754	0	754	12.3	642.00	1671
Sep 2022	702	-11	18	727	0	727	12.2	640.01	1617
<b>WY 2022</b>	<b>9062</b>	<b>-138</b>	<b>197</b>	<b>8699</b>	<b>0</b>	<b>8699</b>			
Oct 2022	547	-11	15	704	0	704	11.5	633.00	1434
Nov 2022	665	-23	10	580	0	580	9.8	635.00	1486
Dec 2022	564	-11	9	426	0	426	6.9	639.51	1604
Jan 2023	539	-17	10	450	0	450	7.3	641.80	1666
Feb 2023	634	-9	10	615	0	615	11.1	641.80	1666

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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)
*	Mar 2020	549	15	9	455	7.4	43	94	446.04	543	198	3.2
H	Apr 2020	861	29	11	642	10.8	55	148	447.41	569	171	2.9
I	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	132	2.1
S	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	142	2.4
T	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	156	2.5
O	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	131	2.1
R	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	116	2.0
<b>WY 2020</b>		<b>8063</b>	<b>98</b>	<b>139</b>	<b>6041</b>		<b>631</b>	<b>1319</b>			<b>1584</b>	
I	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	71	1.1
C	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	96	1.5
A	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	95	1.5
L	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	152	2.5
*	Feb 2021	550	-1	8	430	7.7	0	111	447.56	572	132	2.4
	Mar 2021	927	7	9	674	11.0	99	145	447.50	570	156	2.5
	Apr 2021	976	11	11	713	12.0	103	147	447.70	574	155	2.6
	May 2021	1002	9	13	688	11.2	106	173	448.70	593	117	1.9
	Jun 2021	893	6	16	693	11.7	103	75	448.70	593	123	2.1
	Jul 2021	843	15	17	684	11.1	106	52	448.00	580	129	2.1
	Aug 2021	767	15	17	605	9.8	106	52	447.50	571	99	1.6
	Sep 2021	759	14	15	515	8.7	103	130	447.50	570	96	1.6
<b>WY 2021</b>		<b>8985</b>	<b>139</b>	<b>140</b>	<b>6350</b>		<b>1077</b>	<b>1442</b>			<b>1420</b>	
	Oct 2021	742	21	12	483	7.9	106	156	447.50	571	85	1.4
	Nov 2021	550	18	9	339	5.7	103	112	447.50	571	113	1.9
	Dec 2021	381	20	7	230	3.7	106	73	446.50	552	108	1.8
	Jan 2022	449	17	6	302	4.9	106	46	446.50	552	138	2.2
	Feb 2022	622	7	8	398	7.2	96	120	446.50	552	124	2.2
	Mar 2022	868	7	9	619	10.1	106	129	446.70	555	147	2.4
	Apr 2022	967	11	11	707	11.9	87	125	448.70	593	147	2.5
	May 2022	940	9	13	692	11.3	98	134	448.70	593	110	1.8
	Jun 2022	890	6	16	697	11.7	96	74	448.70	593	116	2.0
	Jul 2022	811	15	17	671	10.9	98	40	448.00	580	123	2.0
	Aug 2022	754	15	17	611	9.9	98	40	447.50	571	101	1.6
	Sep 2022	727	14	15	517	8.7	96	102	447.50	570	99	1.7
<b>WY 2022</b>		<b>8699</b>	<b>161</b>	<b>139</b>	<b>6267</b>		<b>1197</b>	<b>1152</b>			<b>1412</b>	
	Oct 2022	704	21	12	485	7.9	98	124	447.50	571	89	1.4
	Nov 2022	580	18	9	367	6.2	96	122	447.50	571	115	1.9
	Dec 2022	426	20	7	259	4.2	106	88	446.50	552	110	1.8
	Jan 2023	450	17	6	310	5.0	106	40	446.50	552	138	2.2
	Feb 2023	615	7	8	402	7.2	96	109	446.50	552	124	2.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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
*	Mar 2020	593	9.6	1098.59	11610	205	450.96	1136.0	237.0	69	399.6
H	Apr 2020	862	14.5	1096.39	11415	-194	447.37	1138.0	351.1	69	407.4
I	May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
S	Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
T	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
O	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
R	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
<b>WY 2020</b>		<b>8263</b>							<b>3256.3</b>		
I	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
C	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
A	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
L	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
*	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
	Mar 2021	943	15.3	1084.78	10411	-211	436.01	1109.0	377.3	70	399.9
	Apr 2021	1014	17.0	1080.66	10066	-345	432.60	1086.9	402.8	70	397.2
	May 2021	1032	16.8	1075.74	9661	-405	426.05	1332.0	396.4	88	384.1
	Jun 2021	932	15.7	1071.77	9341	-320	420.34	1468.0	353.6	100	379.4
	Jul 2021	851	13.8	1070.03	9202	-139	417.84	1468.0	323.0	100	379.7
	Aug 2021	800	13.0	1069.89	9191	-11	417.23	1468.0	301.5	100	376.7
	Sep 2021	708	11.9	1068.74	9100	-91	417.56	1451.0	264.3	100	373.2
<b>WY 2021</b>		<b>9389</b>							<b>3628.8</b>		
	Oct 2021	611	9.9	1066.91	8956	-144	419.30	1308.0	228.3	91	373.6
	Nov 2021	634	10.7	1065.48	8844	-112	423.83	743.0	243.7	52	384.2
	Dec 2021	519	8.4	1066.72	8940	96	420.20	932.0	198.0	65	381.4
	Jan 2022	537	8.7	1069.60	9168	228	420.76	853.1	200.8	58	374.0
	Feb 2022	641	11.5	1070.16	9212	44	420.94	961.0	243.9	65	380.8
	Mar 2022	922	15.0	1067.71	9019	-193	417.52	1247.9	348.0	85	377.5
	Apr 2022	990	16.6	1063.38	8682	-337	414.07	1178.0	370.4	82	374.0
	May 2022	970	15.8	1058.56	8314	-368	409.65	1136.0	362.1	81	373.1
	Jun 2022	929	15.6	1054.06	7979	-335	403.06	1451.0	336.8	100	362.6
	Jul 2022	819	13.3	1052.03	7830	-149	400.16	1434.0	295.8	100	361.2
	Aug 2022	787	12.8	1051.49	7791	-39	399.21	1405.6	282.6	100	358.9
	Sep 2022	702	11.8	1049.62	7655	-136	398.67	1395.0	249.5	100	355.3
<b>WY 2022</b>		<b>9062</b>							<b>3360.0</b>		
	Oct 2022	547	8.9	1050.81	7742	86	401.52	1278.5	193.3	91	353.3
	Nov 2022	665	11.2	1050.76	7738	-3	405.02	1191.3	239.8	85	360.9
	Dec 2022	564	9.2	1053.02	7903	165	404.41	1145.5	202.2	81	358.3
	Jan 2023	539	8.8	1056.43	8155	252	405.74	1060.8	192.9	74	358.3
	Feb 2023	634	11.4	1057.69	8249	94	408.20	943.0	233.5	65	368.5

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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
*	Mar 2020	549	8.9	643.32	1708	33	142.51	164.5	67.4	65	122.6
H	Apr 2020	861	14.5	642.91	1696	-11	137.62	253.3	109.7	99	127.4
I	May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
S	Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
T	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
O	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
R	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
<b>WY 2020</b>		<b>8063</b>							<b>1015.1</b>		
I	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
C	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
A	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
L	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
*	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
	Mar 2021	927	15.1	642.50	1685	-3	138.79	161.2	115.9	63	125.0
	Apr 2021	976	16.4	643.00	1699	14	138.52	253.3	121.8	99	124.8
	May 2021	1002	16.3	643.00	1699	0	138.81	255.0	125.2	100	125.1
	Jun 2021	893	15.0	643.00	1699	0	139.25	255.0	112.1	100	125.5
	Jul 2021	843	13.7	642.00	1671	-27	139.21	255.0	105.7	100	125.4
	Aug 2021	767	12.5	642.00	1671	0	139.17	255.0	96.1	100	125.4
	Sep 2021	759	12.8	639.01	1591	-81	137.56	255.0	94.1	100	123.9
<b>WY 2021</b>		<b>8985</b>							<b>1122.0</b>		
	Oct 2021	742	12.1	633.00	1434	-156	133.33	215.5	89.1	85	120.1
	Nov 2021	550	9.2	635.00	1486	51	132.46	170.0	65.6	67	119.3
	Dec 2021	381	6.2	639.51	1604	118	137.07	153.0	47.0	60	123.5
	Jan 2022	449	7.3	641.80	1666	62	139.97	161.2	56.6	63	126.1
	Feb 2022	622	11.2	641.80	1666	0	139.46	198.5	78.1	78	125.6
	Mar 2022	868	14.1	643.05	1700	34	138.99	204.0	108.7	80	125.2
	Apr 2022	967	16.3	643.00	1699	-2	138.85	204.0	121.0	80	125.1
	May 2022	940	15.3	643.00	1699	0	139.15	204.0	117.8	80	125.4
	Jun 2022	890	15.0	643.00	1699	0	139.27	255.0	111.7	100	125.5
	Jul 2022	811	13.2	642.00	1671	-27	139.40	255.0	101.8	100	125.6
	Aug 2022	754	12.3	642.00	1671	0	139.24	255.0	94.6	100	125.4
	Sep 2022	727	12.2	640.01	1617	-54	138.27	255.0	90.5	100	124.6
<b>WY 2022</b>		<b>8699</b>							<b>1082.6</b>		
	Oct 2022	704	11.5	633.00	1434	-183	134.06	227.0	85.1	89	120.8
	Nov 2022	580	9.8	635.00	1486	51	132.24	159.8	69.1	63	119.1
	Dec 2022	426	6.9	639.51	1604	118	136.73	154.7	52.5	61	123.2
	Jan 2023	450	7.3	641.80	1666	62	139.96	156.3	56.8	61	126.1
	Feb 2023	615	11.1	641.80	1666	0	139.51	156.6	77.3	61	125.7

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 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
*	Mar 2020	455	7.4	446.04	543	-39	78.08	120.0	30.0	100	65.9
H	Apr 2020	642	10.8	447.41	569	25	81.56	120.0	44.4	100	69.2
I	May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
S	Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
T	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
O	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
R	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
<b>WY 2020</b>		<b>6041</b>							<b>416.0</b>		
I	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
C	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
A	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
L	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
*	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
	Mar 2021	674	11.0	447.50	570	-1	74.91	120.0	44.2	100	65.5
	Apr 2021	713	12.0	447.70	574	4	74.98	120.0	46.9	100	65.8
	May 2021	688	11.2	448.70	593	19	75.57	120.0	45.5	100	66.1
	Jun 2021	693	11.7	448.70	593	0	76.05	120.0	46.1	100	66.5
	Jul 2021	684	11.1	448.00	580	-13	75.71	120.0	45.2	100	66.2
	Aug 2021	605	9.8	447.50	571	-10	75.13	120.0	39.6	100	65.5
	Sep 2021	515	8.7	447.50	570	0	74.89	120.0	33.5	100	65.0
<b>WY 2021</b>		<b>6350</b>							<b>422.6</b>		
	Oct 2021	483	7.9	447.50	571	0	76.29	90.0	31.9	75	66.1
	Nov 2021	339	5.7	447.50	571	0	75.98	96.0	21.9	80	64.6
	Dec 2021	230	3.7	446.50	552	-19	74.40	120.0	14.1	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	75.08	120.0	46.6	100	65.8
	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
<b>WY 2022</b>		<b>6267</b>							<b>409.9</b>		
	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	310	5.0	446.50	552	0	75.12	93.9	19.7	78	63.6
	Feb 2023	402	7.2	446.50	552	0	75.15	93.2	26.1	78	65.0

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Minimum Probable Inflow\*

### Upper Basin Power



— BUREAU OF —  
RECLAMATION

Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Mar 2020	307	46	11	13	7	4
<b>Winter 2020</b>	<b>1838</b>	<b>258</b>	<b>115</b>	<b>131</b>	<b>71</b>	<b>28</b>
H Apr 2020	276	44	21	25	16	5
I May 2020	276	37	23	37	19	7
S Jun 2020	290	58	24	28	18	8
T Jul 2020	335	35	27	32	18	9
O Aug 2020	367	43	28	32	19	7
R Sep 2020	262	37	23	28	11	2
<b>Summer 2020</b>	<b>1806</b>	<b>254</b>	<b>146</b>	<b>182</b>	<b>102</b>	<b>37</b>
I Oct 2020	277	24	18	22	9	0
C Nov 2020	275	20	5	7	3	1
A Dec 2020	304	24	5	7	3	3
L Jan 2021	319	24	5	6	3	3
* Feb 2021	278	21	5	6	2	3
Mar 2021	273	18	6	7	0	3
<b>Winter 2021</b>	<b>1726</b>	<b>131</b>	<b>44</b>	<b>56</b>	<b>20</b>	<b>13</b>
Apr 2021	242	17	13	19	10	2
May 2021	241	20	15	23	14	2
Jun 2021	249	29	16	23	14	2
Jul 2021	290	18	23	29	15	3
Aug 2021	300	18	0	29	15	3
Sep 2021	229	17	0	27	9	3
<b>Summer 2021</b>	<b>1551</b>	<b>119</b>	<b>67</b>	<b>150</b>	<b>77</b>	<b>16</b>
Oct 2021	176	18	2	26	13	3
Nov 2021	183	17	4	6	4	3
Dec 2021	218	18	4	6	4	3
Jan 2022	260	18	4	6	4	3
Feb 2022	228	16	4	6	3	3
Mar 2022	237	18	5	7	5	3
<b>Winter 2022</b>	<b>1303</b>	<b>104</b>	<b>23</b>	<b>58</b>	<b>32</b>	<b>18</b>
Apr 2022	210	17	12	18	10	3
May 2022	212	18	31	45	23	4
Jun 2022	228	32	19	27	16	6
Jul 2022	259	20	23	29	15	6
Aug 2022	274	27	23	29	15	5
Sep 2022	204	26	21	27	8	3
<b>Summer 2022</b>	<b>909</b>	<b>87</b>	<b>85</b>	<b>119</b>	<b>64</b>	<b>18</b>
Oct 2022	228	19	20	26	13	4
Nov 2022	225	17	7	9	5	4
Dec 2022	248	19	7	9	5	4
Jan 2023	256	19	7	10	5	4
Feb 2023	226	17	6	9	5	3

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Minimum Probable Inflow\*

### Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —  
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Total	Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****											
Mar 2021	813	429	649	15096	16988	16998	33986	96	100	49	245	15096	16998	32340	1500	943	0	26.5	
Apr 2021	801	419	649	15485	17354	17209	34563	78	91	43	212	15485	17209	32906	1500	1014	0	25.8	
May 2021	812	428	662	15828	17730	17554	35284	85	98	33	215	15828	17554	33597	1500	1032	0	25.3	
Jun 2021	792	388	663	15943	17786	17959	35745	56	50	-4	102	15943	17959	34004	1500	932	0	25.0	
Jul 2021	760	320	697	15998	17775	18279	36054	14	-29	-25	-40	15998	18279	34237	1500	851	0	24.3	
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****											
Aug 2021	761	341	781	16407	18290	18418	36708	761	341	781	1883	16407	18418	36708	1500	800	0	23.7	
Sep 2021	788	376	849	16874	18887	18429	37316	788	376	849	2013	16874	18429	37316	2270	708	0	23.1	
Oct 2021	820	417	884	17164	19285	18520	37805	820	417	884	2121	17164	18520	37805	3040	611	0	22.7	
Nov 2021	840	455	893	17242	19429	18664	38093	840	455	893	2188	17242	18664	38093	3810	634	0	22.5	
Dec 2021	853	440	891	17350	19534	18776	38310	853	440	891	2184	17350	18776	38310	4580	519	0	22.4	
Jan 2022	878	430	892	17605	19804	18680	38484	878	430	892	2200	17605	18680	38484	5350	537	0	22.3	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2022	878	430	892	17605	19804	18680	38484	341	190	348	879	17605	18680	37163	5350	537	0	22.3	
Feb 2022	898	421	895	17973	20187	18452	38639	358	182	351	891	17973	18452	37316	1500	641	0	22.1	
Mar 2022	909	412	888	18240	20449	18408	38857	366	174	343	883	18240	18408	37531	1500	922	0	21.9	
Apr 2022	880	395	847	18434	20555	18601	39156	332	157	296	785	18434	18601	37820	1500	990	0	21.6	
May 2022	839	375	801	18456	20471	18938	39410	285	136	228	648	18456	18938	38043	1500	970	0	22.1	
Jun 2022	731	348	705	17850	19634	19306	38940	167	98	93	358	17850	19306	37513	1500	929	0	22.7	
Jul 2022	617	247	670	17192	18725	19641	38367	39	-17	4	26	17192	19641	36859	1500	819	0	22.2	
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****											
Aug 2022	594	255	725	17479	19053	19790	38843	594	255	725	1574	17479	19790	38843	1500	787	0	21.6	
Sep 2022	640	280	775	17847	19542	19829	39370	640	280	775	1695	17847	19829	39370	2270	702	0	21.1	
Oct 2022	694	315	797	18016	19823	19965	39788	694	315	797	1807	18016	19965	39788	3040	547	0	20.8	
Nov 2022	717	353	799	18233	20101	19878	39980	717	353	799	1869	18233	19878	39980	3810	665	0	20.6	
Dec 2022	727	346	794	18446	20312	19882	40194	727	346	794	1867	18446	19882	40194	4580	564	0	20.5	
Jan 2023	752	343	790	18773	20659	19717	40376	752	343	790	1886	18773	19717	40376	5350	539	0	20.5	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2023	752	343	790	18773	20659	19717	40376	481	303	549	1333	18773	19717	39824	5350	539	0	20.5	
Feb 2023	771	343	788	19133	21035	19465	40500	497	303	547	1346	19133	19465	39945	1500	634	0	20.3	

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