

**March 24-Month Study**  
**Date: March 15, 2021**

**From:** Water Resources Group, Salt Lake City  
**To:** All Colorado River Annual Operating Plan (AOP) Recipients

**Current Reservoir Status**

Reservoir	February Inflow (unregulated) (acre-feet)	Percent of Average (%)	March 14, Midnight Elevation (feet)	March 14, Midnight Reservoir Storage (acre-feet)
Fontenelle	24,440	88	6,472.57	123,200
Flaming Gorge	31,000	70	6,024.79	3,152,450
Blue Mesa	20,290	91	7,465.79	403,600
Navajo	13,300	45	6,033.64	1,045,600
Powell	200,900	51	3,569.18	9,041,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this March 2021 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2021 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2020 24-Month Study projections of the January 1, 2021, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2021.

The August 2020 24-Month Study projected the January 1, 2021, Lake Powell elevation to be below the 2021 Equalization Elevation of 3,659 feet and above elevation 3,575 feet. Consistent with Section 6.B of the Interim Guidelines, Lake Powell will operate in the Upper Elevation Balancing Tier for water year 2021, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2021. Based on the most probable inflow forecast, this March 24-Month Study projects Lake Powell to remain in 6.B.1 with a release of 8.23 maf in water year 2021.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2021. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought

Contingency Plan (DCP) Agreement is also governing the operation of Lake Mead in calendar year 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>.

***Fontenelle Reservoir*** -- As of March 3, 2021, the Fontenelle Reservoir pool elevation is 6474.00 feet, which amounts to 39 percent of live storage capacity. Inflows for the month of February totaled 24,000 acre-feet (af) or 87 percent of average.

Fontenelle's releases are currently set at 825 cfs. This release is scheduled to be maintained through the Fall/Winter operation period, which typically ends in late March or early April when ice on the Green River begins to thaw.

The March final forecast for unregulated inflows into Fontenelle for the next three months projects below average conditions. March, April, and May inflow volumes amount to 39,000 af (74 percent of average), 60,000 af (70 percent of average), and 95,000 af (58 percent of average), respectively.

The 2021 water year unregulated inflow volume is forecasted to be 755,000 af (70 percent of average) based on the March forecast.

The August 27, 2020, Fontenelle Working Group meeting minutes are available online on USBR's website at <https://www.usbr.gov/uc/water/crsp/wg/ft/ftcurrnt.html>. The next Fontenelle Working Group meeting is scheduled for 10:00 am on April 22, 2021. Due to the ongoing COVID pandemic this meeting will be held virtually using WebEX. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

***Flaming Gorge*** -- As of March 4, 2021 Flaming Gorge Reservoir pool elevation is 6024.61 feet, which amounts to 84 percent of live storage capacity. Unregulated inflows for the month of February is approximately 31,000 acre-feet (af), which is 70% of the average February unregulated inflow volume. The average daily release is 860 cfs.

The March final forecast for unregulated inflows into Flaming Gorge for the next three months projects below average conditions. March, April and May forecasted unregulated inflow volumes amount to 70,000 af (68% of average), 90,000 af (67% of average) and 120,000 af (49% of average), respectively.

The March water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 555,000 acre-feet (57% of average). Current snowpack is 94% of median for the Upper Green Basin.

Reclamation is planning to hold the next Flaming Gorge Working Group meeting on March 18, 2021 at 10:00 am MDT via WebEx. This will be followed up with the mid-April meeting on April 15, 2021 at 10:00 am MDT via WebEx. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Dale Hamilton at 801-379-1186.

**Aspinall Unit Reservoirs** – As of March 3, 2021 releases from Crystal Dam are approximately 400 cfs. Gunnison Tunnel diversions have been terminated for the irrigation season. There will be periodic diversions to refill Fairview Reservoir about every 2 weeks throughout the winter months. Flows in the Black Canyon are about 399 cfs.

The unregulated inflow volume in February to Blue Mesa was 20,288 af (92 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (February, March and April) are projected to be: 31,000 af (86 percent of average), 54,000 af (70 percent of average) and 140,000 af (63 percent of average), respectively. The March 24-Month Study is reflective of these new forecasts.

The 2021 water year unregulated inflow volume is projected to be 668,670 af (70 percent of average). The water supply period (April-July) for 2021 is forecasted to have 460,000 af of unregulated inflow (68 percent of average). At this point in the year there is a great deal of uncertainty for how the year will ultimately turn out. Current forecasting projects at a probability of 80 percent that the water year unregulated inflow volume to Blue Mesa will be in the range from 534,000 acre-feet to 904,000 acre-feet.

Blue Mesa is not projected to fill in 2021 under the most probable inflow scenario. Blue Mesa is projected to be at a peak elevation of approximately 7,495 feet by late July, 2021. This will be down approximately 24 feet from the full pool elevation (7,519.4 feet) and water storage in Blue Mesa at this time will be approximately 621,000 acre-feet which is 75 percent of live capacity.

The Aspinall Unit Operations Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past working Group meetings are posted on the Operations Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

The next Operations Group meeting would normally be held April 22, 2021. Due to the pandemic this meeting has not yet been scheduled and an information packet may be distributed for safety considerations. Contact Erik Knight in the Grand Junction Area Office for more information (970) 248-0629.

**Navajo Reservoir** – On March 7th, the daily average release rate from Navajo Dam was 400 cfs while reservoir inflow was averaging approximately 327 cfs. The water surface elevation was 6033.95 feet above sea level. At this elevation the live storage is 1.049 maf (62 percent of live storage capacity) and the active storage is 0.387 maf (37 percent of active storage capacity). NIIP is diverting 8 cfs. The San Juan-Chama project is not currently diverting from the basin above the reservoir. The river flow measured at the Animas River at Farmington USGS gage was at 172 cfs. River flow at the San Juan River at Four Corners USGS gage was 494 cfs.

Releases from Navajo Dam are made for authorized purposes of the Navajo Unit and are pursuant to the Record of Decision for the Navajo Reservoir Operations. Releases target the San Juan River Recovery Implementation Program's recommended downstream baseflow range of 500 cfs to 1,000 cfs through the critical habitat reach of the San Juan River (Farmington, NM to Lake Powell). Current modeling shows the release will most likely vary between 350 and 600 cfs to accomplish this for the remainder of winter and early spring. The current weekly calculated baseflow average is 501 cfs, which is within the SJRIP's recommended range.

Navajo was at 6034.3 ft of pool elevation and 1,051,940 af of storage by the end of February, which was 83 percent of average for the end of the month. The release averaged 400 cfs (as measured at the USGS San Juan at Archuleta gage) and totaled 22,020 af, which was 52 percent of average for the month. Preliminary modified unregulated inflow into Navajo was 13,600 af. Calculated evaporation for the month was 650 af. Navajo had a net storage loss of 12,700 af in February.

The most probable inflow forecast for March, April, and May is 35 kaf (33 percent of average), 75 kaf (44 percent of average), and 165 kaf (60 percent of average), respectively.

The April-July runoff forecasts are as follows:

Min Probable: 245 k af (33 percent of average, a decrease of 30 kaf since the February forecast)

Most Probable: 415 kaf (56 percent of average, a decrease of 35 kaf since the February forecast)

Max Probable: 650 kaf (88 percent of average, a decrease of 80 kaf since the February forecast)

Based on the current storage levels and inflow forecast, it is unlikely a spring peak release will be conducted at Navajo.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and

exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir. The next meeting will be held virtually on Tuesday, April 20th, at 1:00 PM.

### **Glen Canyon Dam / Lake Powell**

#### **Current Status**

The unregulated inflow volume to Lake Powell during February was 201 thousand acre-feet (kaf) (51% of average). The release volume from Glen Canyon Dam in February was 675 kaf. The end of February elevation and storage of Lake Powell were 3571.46 feet (128 feet from full pool) and 9.64 million acre-feet (maf) (39 % of live capacity), respectively.

The six-month period from April to December 2020 is one of the driest periods on record. Current conditions resemble 2002, 2012, 2013 and the beginning of 2018, four out of the five driest years on record.

#### **Current Operations**

The operating tier for water year 2021 (September 2020 through October 2021) was established in August 2020 as the Upper Elevation Balancing Tier, consistent with Section 6.B of the Interim Guidelines. Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2021 will be governed by the Upper Elevation Balancing Tier. With an 8.23 maf release from Lake Powell in water year 2021, the February 2021 24-Month Study projects the end of water year elevation at Lake Powell to be below 3,575 feet, and the end of water year elevation at Lake Mead to be below 1,075 feet. Therefore, in accordance with Section 6.B.1 of the Interim Guidelines, the March 24-Month Study projects that 8.23 maf shall be released from Lake Powell in water year 2021.

In March, the release volume will be approximately 700 kaf, with fluctuations anticipated between about 8,589 cubic feet per second (cfs) in the nighttime to about 14,647 cfs in the daytime, and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for April is 628 kaf.

The Glen Canyon Dam Planning and Implementation Team, by consensus, recommends a Spring Disturbance Flow be implemented at Glen Canyon Dam March 15 to 26, 2021. This event supports maintenance needs of the facility and advances research goals of the Glen Canyon Dam Adaptive Management Program.

Technical experts at the U.S. Geological Survey's Grand Canyon Monitoring and Research Center and Western Area Power Administration have coordinated with Reclamation operations and maintenance officials to design flow releases to optimize benefits for both dam maintenance and the aquatic ecosystem throughout Glen, Marble, and Grand Canyons while minimizing negative impacts to hydropower.

The proposed spring disturbance flow releases of 4,000 cubic feet per second for 5 days is needed to conduct maintenance on the apron of Glen Canyon Dam. This low flow will be followed by an increase in flow culminating in a peak discharge of approximately 20,150 cubic feet per second for 82 hours.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (mw) of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,100 cfs above or below the hourly scheduled release rate. Under system normal conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 30 mw (approximately 800 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

### **Inflow Forecasts and Model Projections**

The forecast for water year 2021 unregulated inflow to Lake Powell, issued on March 3, 2021, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 5.13 maf (47% of average).

There is significant uncertainty regarding next season's snowpack development and resulting runoff into Lake Powell. Reclamation updates the minimum and maximum probable forecasts four times a year: January, April, August, and October. Under the February minimum probable 24-Month Study, the forecast projected Lake Powell's water surface elevation to fall below 3,525 feet in 2022. This model result initiates enhanced monitoring and coordination under the Agreement for Drought Response Operations at the Initial Units of the Colorado River Storage Project Act (Drought Response Operations Agreement "DROA"). This model result does not initiate operational changes to Reclamation facilities.

The Upper Division States and the Upper Colorado River Commission (UCRC) enhanced monitoring and coordination will involve a monthly meeting communicating monthly model results from the minimum, most, and maximum projected operations. Please note that 90% of the suite of results are expected to be above the minimum probable projections and there is currently a 10% expectation to be below elevation 3525 feet under the minimum probable scenario.

The minimum probable 24-Month Study will continue showing operations under the Lower Elevation Balancing Tier (LEBT) that is pursuant to the 2007 Record of Decision on the Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines).

The DROA coordination will continue until either (i) the minimum probable projected elevation remains above 3,525 feet for 24 months or (ii) the process moves to the next step when the most probable projected elevation indicates Powell elevations below 3,525 feet and a Drought Response Operations Plan is implemented.

The March forecast for water year 2021 ranges from a minimum probable of 3.49 maf (32% of average) to a maximum probable of 8.05 maf (74% of average). There is a 10% chance that inflows could be higher than the current maximum probable forecast and a 10% chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast of 5.13 maf unregulated inflow, the March 24-Month Study projects Lake Powell elevation will end water year 2021 near 3,557.03 feet with approximately 8.10 maf in storage (33% of capacity). Note that projections of elevation and storage for water year 2021 have significant uncertainty at this point in the season. Projections of end of water year 2021 elevation and storage using the minimum and maximum probable inflow forecast from and results from the March 2021 DROA model runs are 3,543.92 feet (7.16 maf, 29% of capacity) and 3,578.99 feet (9.85 maf, 41% of capacity), respectively. Under these scenarios, there is a 10% chance that inflows will be higher, resulting in higher elevation and storage, and 10% chance that inflows will be lower, resulting in lower elevation and storage. The annual release volume from Lake Powell during water year 2021 is projected to be 8.23 maf under the March minimum and most probable inflow scenarios and 8.60 maf in the maximum probable scenario.

### **Upper Colorado River Basin Hydrology**

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 21-year period 2000 to 2020, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 4 out of the past 19 years. The period 2000-2020 is the lowest 21-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.62 maf, or 80% of the 30-year average (1981-2010). (For comparison, the 1981-2010 total water year average is 10.83 maf.) The unregulated inflow during the 2000-2020 period has ranged from a low of 2.64 maf (24% of average) in water year 2002 to a high of 15.97 maf (147% of average) in water year 2011. In water year 2018 unregulated inflow volume to Lake Powell was 4.6 maf (43% of average), the third driest year on record above 2002 and 1977. Under the current most probable forecast, the total water year 2021 unregulated inflow to Lake Powell is projected to be 5.13 maf (47% of average).

At the beginning of water year 2021, total system storage in the Colorado River Basin was 28.88 maf (48% of 59.6 maf total system capacity). This is a decrease of 2.77 maf over the total storage at the beginning of water year 2020 when total system storage was

31.64 maf (53% of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94% of capacity at the beginning of 2000 to the now current level of 48% of capacity at the beginning of water year 2021. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2021 is approximately 24.81 maf (42% of total system capacity). The actual end of water year 2021 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.



TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION  
WATER RESOURCES GROUP  
ATTENTION UC-430  
125 SOUTH STATE STREET, ROOM 8100  
SALT LAKE CITY, UT 84138-5571  
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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY  
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S  
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:			Obs		sep	Forecast					
:		nov	dec	jan	feb	%Avg	mar	apr	may	apr-jul	%Avg
GLDA3:Lake Powell		261	168	198	201	51%:	330/	450/	950/	3400/:	47%
GBRW4:Fontenelle		33	27	25	24	87%:	39/	60/	95/	480/:	66%
GRNU1:Flaming Gorge		37	24	31	31	70%:	70/	90/	120/	555/:	57%
BMDC2:Blue Mesa		25	21	22	20	89%:	31/	54/	140/	460/:	68%
MPSC2:Morrow Point		27	24	23	21	84%:	34/	62/	150/	500/:	68%
CLSC2:Crystal		29	27	25	24	83%:	38/	71/	170/	560/:	67%
TPIC2:Taylor Park		4.1	3.8	3.6	3.2	84%:	3.4/	7.0/	20.0/	71/:	72%
VCRC2:Vallecito		3.4	2.7	2.9	2.7	57%:	3.7/	10/	40/	115/:	59%
NVRN5:Navajo		16.9	9.8	12.2	13.6	45%:	35/	75/	165/	415/:	56%
LEMC2:Lemon		0.53	0.43	0.44	0.40	52%:	0.7/	2.5/	12/	30/:	55%
MPHC2:McPhee		4.3	1.33	1.77	2.2	44%:	6.5/	25.0/	60.0/	132/:	45%
RBSC2:Ridgway		3.9	3.2	2.7	2.6	72%:	4.4/	7.0/	15.0/	62/:	61%
YDLC2:Deerlodge		21	22	21	18.3	65%:	45/	130/	320/	825/:	67%
DRGC2:Durango		8.7	6.6	6.6	5.8	48%:	9.0/	23.0/	75.0/	220/:	53%

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most 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	53	0	53	6471.27	124
Apr 2021	60	1	60	0	60	6471.25	124
May 2021	95	1	68	0	68	6476.86	150
Jun 2021	210	2	65	0	65	6499.22	292
Jul 2021	115	3	70	0	70	6504.69	334
Aug 2021	60	2	58	12	70	6503.13	322
Sep 2021	35	2	39	26	65	6498.89	290
<b>WY 2021</b>	<b>755</b>	<b>15</b>	<b>574</b>	<b>132</b>	<b>706</b>		
Oct 2021	39	1	68	0	68	6494.74	260
Nov 2021	40	1	65	0	65	6491.00	234
Dec 2021	33	1	68	0	68	6485.55	198
Jan 2022	31	1	68	0	68	6479.08	161
Feb 2022	29	0	61	0	61	6472.26	128
Mar 2022	53	0	66	0	66	6469.16	115
Apr 2022	82	1	71	0	71	6471.77	126
May 2022	169	1	90	0	90	6486.35	203
Jun 2022	278	2	104	82	185	6499.39	294
Jul 2022	164	3	102	26	128	6503.67	326
Aug 2022	71	2	67	0	67	6503.90	328
Sep 2022	44	2	36	24	60	6501.65	311
<b>WY 2022</b>	<b>1032</b>	<b>15</b>	<b>864</b>	<b>132</b>	<b>996</b>		
Oct 2022	45	1	74	0	74	6497.61	280
Nov 2022	43	1	70	0	70	6493.78	253
Dec 2022	33	1	72	0	72	6487.84	213
Jan 2023	31	1	72	0	72	6480.90	171
Feb 2023	29	1	65	0	65	6473.50	134

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most 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	88
* Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
Mar 2021	70	84	3	53	0	53	128	6025.33	3172	98
Apr 2021	90	90	5	51	0	51	129	6026.19	3205	181
May 2021	120	93	8	53	0	53	130	6027.02	3235	373
Jun 2021	225	80	10	95	0	95	129	6026.39	3212	425
Jul 2021	120	75	13	64	0	64	129	6026.34	3210	109
Aug 2021	54	64	12	100	0	100	127	6025.09	3164	116
Sep 2021	38	68	11	99	0	99	126	6024.02	3124	109
<b>WY 2021</b>	<b>865</b>	<b>817</b>	<b>79</b>	<b>812</b>	<b>0</b>	<b>812</b>				<b>1833</b>
Oct 2021	45	74	7	65	0	65	126	6024.08	3126	91
Nov 2021	46	71	3	51	0	51	126	6024.51	3142	82
Dec 2021	33	68	2	60	0	60	127	6024.68	3149	87
Jan 2022	40	77	2	60	0	60	127	6025.08	3163	87
Feb 2022	44	76	2	54	0	54	128	6025.61	3183	78
Mar 2022	95	108	3	81	0	81	129	6026.22	3205	160
Apr 2022	125	114	5	79	0	79	130	6026.99	3234	286
May 2022	246	167	8	89	0	89	133	6028.78	3302	604
Jun 2022	360	267	11	182	0	182	136	6030.63	3373	581
Jul 2022	184	149	14	66	0	66	138	6032.32	3440	140
Aug 2022	80	76	13	105	0	105	137	6031.30	3400	129
Sep 2022	50	66	11	105	0	105	135	6030.04	3351	119
<b>WY 2022</b>	<b>1349</b>	<b>1313</b>	<b>80</b>	<b>997</b>	<b>0</b>	<b>997</b>				<b>2443</b>
Oct 2022	54	83	7	73	0	73	135	6030.11	3353	105
Nov 2022	50	77	4	100	0	100	134	6029.43	3327	134
Dec 2022	33	73	2	151	0	151	131	6027.41	3250	178
Jan 2023	40	81	2	151	0	151	128	6025.59	3182	178
Feb 2023	44	80	2	136	0	136	126	6024.08	3126	160

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most 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	5	9304.84	62
	Apr 2021	7	6	9305.75	63
	May 2021	20	10	9312.43	74
	Jun 2021	32	18	9320.57	88
	Jul 2021	12	17	9317.64	83
	Aug 2021	7	15	9312.75	74
	Sep 2021	5	12	9308.38	67
<b>WY 2021</b>		<b>105</b>	<b>107</b>		
	Oct 2021	5	6	9308.13	67
	Nov 2021	5	5	9307.81	66
	Dec 2021	5	5	9307.49	66
	Jan 2022	4	5	9306.90	65
	Feb 2022	4	5	9306.37	64
	Mar 2022	5	5	9305.90	64
	Apr 2022	9	10	9305.23	63
	May 2022	27	14	9313.43	75
	Jun 2022	42	20	9325.65	98
	Jul 2022	16	24	9321.54	90
	Aug 2022	9	19	9315.96	80
	Sep 2022	7	18	9309.80	70
<b>WY 2022</b>		<b>137</b>	<b>135</b>		
	Oct 2022	7	12	9306.70	65
	Nov 2022	5	5	9306.73	65
	Dec 2022	5	5	9306.40	64
	Jan 2023	4	5	9305.80	63
	Feb 2023	4	5	9305.20	63

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most 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	33	0	22	0	22	7467.02	412
Apr 2021	54	53	1	43	0	43	7468.42	421
May 2021	140	130	1	41	0	41	7480.90	509
Jun 2021	195	181	1	68	0	68	7495.36	620
Jul 2021	71	76	1	73	0	73	7495.56	622
Aug 2021	44	52	1	0	80	80	7491.94	593
Sep 2021	26	33	1	0	71	71	7486.88	554
<b>WY 2021</b>	<b>669</b>	<b>671</b>	<b>8</b>	<b>392</b>	<b>152</b>	<b>543</b>		
Oct 2021	30	31	0	6	62	68	7481.78	515
Nov 2021	28	29	0	14	0	14	7483.71	529
Dec 2021	27	27	0	15	0	15	7485.26	541
Jan 2022	25	26	0	15	0	15	7486.59	551
Feb 2022	23	24	0	14	0	14	7487.87	561
Mar 2022	37	38	0	17	0	17	7490.57	582
Apr 2022	78	79	1	38	0	38	7495.69	623
May 2022	199	186	1	166	0	166	7498.00	642
Jun 2022	262	240	1	72	0	72	7517.21	808
Jul 2022	98	106	2	102	0	102	7517.50	811
Aug 2022	59	69	1	105	0	105	7513.44	774
Sep 2022	38	48	1	87	0	87	7508.84	733
<b>WY 2022</b>	<b>903</b>	<b>901</b>	<b>9</b>	<b>650</b>	<b>62</b>	<b>713</b>		
Oct 2022	38	43	1	81	0	81	7504.30	694
Nov 2022	31	31	0	52	0	52	7501.79	673
Dec 2022	27	27	0	101	0	101	7492.67	599
Jan 2023	25	26	0	66	0	66	7487.53	559
Feb 2023	23	24	0	36	0	36	7485.87	546

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most 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	62	43	8	51	51	0	51	7153.73	112
	May 2021	150	41	10	51	51	0	51	7153.73	112
	Jun 2021	210	68	15	83	83	0	83	7153.72	112
	Jul 2021	78	73	7	80	80	0	80	7153.73	112
	Aug 2021	47	80	3	83	83	0	83	7153.73	112
	Sep 2021	29	71	3	74	74	0	74	7153.73	112
	<b>WY 2021</b>	<b>726</b>	<b>543</b>	<b>58</b>	<b>601</b>	<b>597</b>	<b>0</b>	<b>597</b>		
	Oct 2021	33	68	3	71	71	0	71	7153.73	112
	Nov 2021	30	14	2	16	16	0	16	7153.73	112
	Dec 2021	28	15	2	17	17	0	17	7153.73	112
	Jan 2022	27	15	2	18	18	0	18	7153.73	112
	Feb 2022	25	14	2	16	16	0	16	7153.73	112
	Mar 2022	41	17	4	20	20	0	20	7153.73	112
	Apr 2022	89	38	11	48	48	0	48	7153.73	112
	May 2022	220	166	21	187	187	0	187	7153.73	112
	Jun 2022	280	72	18	90	90	0	90	7153.72	112
	Jul 2022	102	102	4	105	105	0	105	7153.73	112
	Aug 2022	62	105	2	107	107	0	107	7153.73	112
	Sep 2022	40	87	2	89	89	0	89	7153.73	112
	<b>WY 2022</b>	<b>976</b>	<b>713</b>	<b>72</b>	<b>785</b>	<b>784</b>	<b>0</b>	<b>784</b>		
	Oct 2022	40	81	3	84	84	0	84	7153.73	112
	Nov 2022	33	52	2	54	54	0	54	7153.73	112
	Dec 2022	28	101	2	103	103	0	103	7153.73	112
	Jan 2023	27	66	2	68	68	0	68	7153.73	112
	Feb 2023	25	36	2	38	38	0	38	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Crystal Reservoir



— BUREAU OF —  
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	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	71	51	9	60	60	0	60	6753.04	17	42	18
	May 2021	170	51	20	71	71	0	71	6753.04	17	62	9
	Jun 2021	235	83	25	108	108	0	108	6753.03	17	61	47
	Jul 2021	84	80	6	86	86	0	86	6753.04	17	65	21
	Aug 2021	50	83	3	86	86	0	86	6753.04	17	65	21
	Sep 2021	35	74	6	80	52	29	80	6753.04	17	55	25
	<b>WY 2021</b>	<b>810</b>	<b>597</b>	<b>83</b>	<b>680</b>	<b>609</b>	<b>70</b>	<b>679</b>			<b>398</b>	<b>277</b>
	Oct 2021	39	71	6	78	78	0	78	6753.04	17	30	48
	Nov 2021	35	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2021	33	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2022	31	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2022	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2022	47	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2022	100	48	12	60	60	0	60	6753.04	17	42	18
	May 2022	247	187	27	214	134	79	214	6753.04	17	62	152
	Jun 2022	311	90	32	122	121	0	121	6753.03	17	61	60
	Jul 2022	110	105	9	114	114	0	114	6753.04	17	65	49
	Aug 2022	68	107	7	114	114	0	114	6753.04	17	65	49
	Sep 2022	46	89	6	95	48	47	95	6753.04	17	55	40
	<b>WY 2022</b>	<b>1097</b>	<b>784</b>	<b>121</b>	<b>905</b>	<b>778</b>	<b>127</b>	<b>905</b>			<b>385</b>	<b>520</b>
	Oct 2022	47	84	6	90	90	0	90	6753.04	17	55	35
	Nov 2022	38	54	5	59	59	0	59	6753.04	17	0	59
	Dec 2022	33	103	5	108	108	0	108	6753.04	17	0	108
	Jan 2023	31	68	4	72	72	0	72	6753.04	17	0	72
	Feb 2023	29	38	4	42	42	0	42	6753.04	17	0	42

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Vallecito Reservoir



— BUREAU OF —  
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	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	10	0	7634.59	53
	May 2021	40	31	7639.06	62
	Jun 2021	47	43	7640.84	66
	Jul 2021	18	42	7628.48	42
	Aug 2021	12	38	7608.57	16
	Sep 2021	11	25	7588.11	3
<b>WY 2021</b>		<b>156</b>	<b>181</b>		
	Oct 2021	10	12	7583.50	1
	Nov 2021	8	2	7594.85	6
	Dec 2021	7	2	7602.43	11
	Jan 2022	6	2	7607.08	15
	Feb 2022	5	2	7610.71	18
	Mar 2022	9	2	7617.22	26
	Apr 2022	23	2	7630.94	47
	May 2022	69	31	7648.72	84
	Jun 2022	68	43	7658.56	109
	Jul 2022	24	42	7651.43	91
	Aug 2022	17	38	7642.37	70
	Sep 2022	18	30	7636.61	57
<b>WY 2022</b>		<b>264</b>	<b>207</b>		
	Oct 2022	14	17	7634.91	54
	Nov 2022	9	2	7638.16	61
	Dec 2022	7	2	7640.53	66
	Jan 2023	6	2	7642.28	69
	Feb 2023	5	2	7643.83	73

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Navajo Reservoir



— BUREAU OF —  
RECLAMATION

	Mod Unreg	Azotea	Reg	Evap	NIIP	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	21	6034.53	1055	30
Apr 2021	75	6	59	2	21	23	6035.86	1069	46
May 2021	165	20	136	3	35	18	6043.20	1148	93
Jun 2021	140	16	120	4	51	19	6047.28	1194	106
Jul 2021	35	1	58	4	56	33	6044.22	1159	68
Aug 2021	30	2	54	3	47	22	6042.57	1141	46
Sep 2021	29	2	41	2	26	19	6042.01	1135	39
<b>WY 2021</b>	<b>567</b>	<b>47</b>	<b>546</b>	<b>23</b>	<b>251</b>	<b>286</b>			<b>610</b>
Oct 2021	35	2	35	2	9	18	6042.52	1140	37
Nov 2021	25	0	20	1	0	18	6042.60	1141	34
Dec 2021	25	0	20	1	0	18	6042.69	1142	34
Jan 2022	22	0	18	1	0	18	6042.57	1141	33
Feb 2022	30	0	26	1	0	17	6043.34	1149	29
Mar 2022	96	9	80	1	5	18	6048.15	1204	42
Apr 2022	152	21	111	2	21	18	6054.03	1274	68
May 2022	266	37	192	3	35	117	6056.95	1310	258
Jun 2022	212	29	159	4	51	221	6047.08	1192	374
Jul 2022	48	5	61	4	56	18	6045.58	1175	78
Aug 2022	30	2	48	3	47	22	6043.48	1151	56
Sep 2022	41	2	51	2	26	19	6043.87	1155	49
<b>WY 2022</b>	<b>983</b>	<b>106</b>	<b>819</b>	<b>25</b>	<b>250</b>	<b>524</b>			<b>1090</b>
Oct 2022	43	2	45	2	9	18	6045.23	1171	42
Nov 2022	28	0	21	1	0	18	6045.45	1173	36
Dec 2022	25	0	20	1	0	18	6045.54	1174	34
Jan 2023	22	0	18	1	0	18	6045.43	1173	32
Feb 2023	30	0	26	1	0	17	6046.18	1181	29

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Lake Powell



— BUREAU OF —  
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	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	289	11	700	0	700	3566.59	4760	8835	716
	Apr 2021	450	374	17	628	0	628	3563.39	4740	8584	646
	May 2021	950	692	20	628	0	628	3563.91	4744	8624	647
	Jun 2021	1500	1188	32	651	0	651	3569.81	4781	9092	670
	Jul 2021	500	500	40	765	0	765	3566.28	4758	8810	788
	Aug 2021	250	373	38	802	0	802	3560.72	4724	8378	825
	Sep 2021	230	353	34	620	0	620	3557.03	4702	8099	637
<b>WY 2021</b>		<b>5130</b>	<b>4986</b>	<b>289</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8386</b>
	Oct 2021	346	399	23	480	0	480	3555.73	4694	8003	492
	Nov 2021	399	383	22	500	0	500	3553.98	4684	7874	503
	Dec 2021	364	373	18	600	0	600	3550.86	4665	7647	603
	Jan 2022	355	362	5	723	0	723	3546.08	4638	7308	732
	Feb 2022	399	388	5	639	0	639	3542.64	4619	7070	650
	Mar 2022	653	555	9	675	0	675	3540.89	4610	6951	691
	Apr 2022	945	765	14	601	0	601	3542.92	4621	7090	619
	May 2022	2213	1946	18	599	0	599	3559.97	4719	8320	618
	Jun 2022	2595	2316	33	628	0	628	3578.99	4842	9853	647
	Jul 2022	898	814	43	709	0	709	3579.65	4846	9910	732
	Aug 2022	445	556	43	758	0	758	3576.98	4828	9683	782
	Sep 2022	386	495	39	568	0	568	3575.74	4820	9579	585
<b>WY 2022</b>		<b>9998</b>	<b>9351</b>	<b>273</b>	<b>7480</b>	<b>0</b>	<b>7480</b>				<b>7655</b>
	Oct 2022	474	523	27	480	0	480	3575.91	4821	9593	492
	Nov 2022	461	522	26	500	0	500	3575.87	4821	9590	503
	Dec 2022	364	550	21	600	0	600	3575.07	4816	9523	603
	Jan 2023	355	503	6	723	0	723	3572.54	4799	9314	732
	Feb 2023	399	492	7	639	0	639	3570.80	4787	9172	650

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



— BUREAU OF —  
RECLAMATION

Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
* 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	111	31	943	15.3	13	943	680	1085.30	10455
Apr 2021	628	81	39	1007	16.9	15	1007	658	1081.37	10125
May 2021	628	50	44	1025	16.7	19	1025	633	1076.71	9740
Jun 2021	651	29	52	925	15.5	29	925	613	1072.94	9434
Jul 2021	765	64	64	843	13.7	34	843	606	1071.62	9329
Aug 2021	802	81	68	793	12.9	35	793	606	1071.46	9316
Sep 2021	620	71	56	704	11.8	31	704	599	1070.28	9222
<b>WY 2021</b>	<b>8230</b>	<b>767</b>	<b>534</b>	<b>9349</b>		<b>240</b>	<b>9388</b>			
Oct 2021	480	58	40	611	9.9	25	611	591	1068.65	9092
Nov 2021	500	71	40	634	10.7	13	634	584	1067.26	8983
Dec 2021	600	67	35	519	8.4	8	519	590	1068.52	9083
Jan 2022	723	95	29	519	8.4	11	519	606	1071.59	9326
Feb 2022	639	97	26	560	10.1	9	560	615	1073.24	9458
Mar 2022	675	111	30	904	14.7	15	904	605	1071.33	9305
Apr 2022	601	81	36	950	16.0	17	950	585	1067.51	9003
May 2022	599	50	41	935	15.2	21	935	564	1063.32	8677
Jun 2022	628	29	49	893	15.0	29	893	545	1059.47	8383
Jul 2022	709	64	60	783	12.7	33	783	539	1058.18	8285
Aug 2022	758	81	64	752	12.2	34	752	538	1058.05	8276
Sep 2022	568	71	52	666	11.2	31	666	531	1056.66	8172
<b>WY 2022</b>	<b>7480</b>	<b>876</b>	<b>503</b>	<b>8726</b>		<b>246</b>	<b>8726</b>			
Oct 2022	480	58	38	511	8.3	26	511	529	1056.20	8138
Nov 2022	500	71	38	629	10.6	15	629	522	1054.80	8034
Dec 2022	600	67	33	542	8.8	10	542	527	1055.84	8111
Jan 2023	723	95	27	521	8.5	11	521	543	1059.09	8354
Feb 2023	639	97	25	553	10.0	9	553	552	1060.93	8494

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Davis Dam - Lake Mohave



— BUREAU OF —  
RECLAMATION

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	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	1007	-8	17	969	0	969	16.3	643.00	1699
	May 2021	1025	-8	22	994	0	994	16.2	643.00	1699
	Jun 2021	925	-13	25	886	0	886	14.9	643.00	1699
	Jul 2021	843	-10	25	835	0	835	13.6	642.00	1671
	Aug 2021	793	-11	23	759	0	759	12.3	642.00	1671
	Sep 2021	704	-11	18	755	0	755	12.7	639.01	1591
	<b>WY 2021</b>	<b>9349</b>	<b>-140</b>	<b>198</b>	<b>8945</b>	<b>0</b>	<b>8945</b>			
	Oct 2021	611	-11	15	741	0	741	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	519	-17	10	431	0	431	7.0	641.80	1666
	Feb 2022	560	-9	10	541	0	541	9.7	641.80	1666
	Mar 2022	904	-7	13	850	0	850	13.8	643.05	1700
	Apr 2022	950	-8	17	927	0	927	15.6	643.00	1699
	May 2022	935	-8	22	904	0	904	14.7	643.00	1699
	Jun 2022	893	-13	25	854	0	854	14.4	643.00	1699
	Jul 2022	783	-10	25	775	0	775	12.6	642.00	1671
	Aug 2022	752	-11	23	718	0	718	11.7	642.00	1671
	Sep 2022	666	-11	18	691	0	691	11.6	640.01	1617
	<b>WY 2022</b>	<b>8726</b>	<b>-138</b>	<b>197</b>	<b>8363</b>	<b>0</b>	<b>8363</b>			
	Oct 2022	511	-11	15	669	0	669	10.9	633.00	1434
	Nov 2022	629	-23	10	545	0	545	9.2	635.00	1486
	Dec 2022	542	-11	9	403	0	403	6.6	639.51	1604
	Jan 2023	521	-17	10	433	0	433	7.0	641.80	1666
	Feb 2023	553	-9	10	534	0	534	9.6	641.80	1666

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



— BUREAU OF —  
RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	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	969	11	11	713	12.0	96	147	447.70	574	155	2.6
	May 2021	994	9	13	688	11.2	99	173	448.70	593	117	1.9
	Jun 2021	886	6	16	693	11.7	96	75	448.70	593	123	2.1
	Jul 2021	835	15	17	684	11.1	99	52	448.00	580	129	2.1
	Aug 2021	759	15	17	605	9.8	99	52	447.50	571	99	1.6
	Sep 2021	755	14	15	515	8.7	99	130	447.50	570	96	1.6
	<b>WY 2021</b>	<b>8945</b>	<b>139</b>	<b>140</b>	<b>6350</b>		<b>1037</b>	<b>1442</b>			<b>1420</b>	
	Oct 2021	741	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	431	17	6	302	4.9	88	46	446.50	552	138	2.2
	Feb 2022	541	7	8	398	7.2	16	120	446.50	552	124	2.2
	Mar 2022	850	7	9	619	10.1	88	129	446.70	555	147	2.4
	Apr 2022	927	11	11	707	11.9	47	125	448.70	593	147	2.5
	May 2022	904	9	13	692	11.3	62	134	448.70	593	110	1.8
	Jun 2022	854	6	16	697	11.7	60	74	448.70	593	116	2.0
	Jul 2022	775	15	17	671	10.9	62	40	448.00	580	123	2.0
	Aug 2022	718	15	17	611	9.9	62	40	447.50	571	101	1.6
	Sep 2022	691	14	15	517	8.7	60	102	447.50	570	99	1.7
	<b>WY 2022</b>	<b>8363</b>	<b>161</b>	<b>139</b>	<b>6267</b>		<b>860</b>	<b>1152</b>			<b>1412</b>	
	Oct 2022	669	21	12	485	7.9	62	124	447.50	571	89	1.4
	Nov 2022	545	18	9	367	6.2	60	122	447.50	570	115	1.9
	Dec 2022	403	20	7	259	4.2	83	88	446.50	552	110	1.8
	Jan 2023	433	17	6	310	5.0	89	40	446.50	552	138	2.2
	Feb 2023	534	7	8	402	7.2	16	109	446.50	552	124	2.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



— BUREAU OF —  
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	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	1085.30	10455	-166	436.27	1109.0	377.5	70	400.2
	Apr 2021	1007	16.9	1081.37	10125	-331	433.21	1086.9	400.1	70	397.4
	May 2021	1025	16.7	1076.71	9740	-384	426.88	1332.0	393.9	88	384.5
	Jun 2021	925	15.5	1072.94	9434	-306	421.39	1468.0	351.6	100	380.0
	Jul 2021	843	13.7	1071.62	9329	-106	419.20	1468.0	321.0	100	380.6
	Aug 2021	793	12.9	1071.46	9316	-13	418.79	1468.0	299.6	100	377.8
	Sep 2021	704	11.8	1070.28	9222	-94	419.10	1451.0	263.7	100	374.4
<b>WY 2021</b>		<b>9349</b>							<b>3617.2</b>		
	Oct 2021	611	9.9	1068.65	9092	-130	420.92	1308.0	229.0	91	374.9
	Nov 2021	634	10.7	1067.26	8983	-109	425.58	743.0	244.6	52	385.7
	Dec 2021	519	8.4	1068.52	9083	99	421.98	932.0	198.7	65	382.9
	Jan 2022	519	8.4	1071.59	9326	244	422.65	853.1	199.6	58	384.6
	Feb 2022	560	10.1	1073.24	9458	132	423.46	961.0	213.9	65	381.8
	Mar 2022	904	14.7	1071.33	9305	-153	420.84	1247.9	343.2	85	379.6
	Apr 2022	950	16.0	1067.51	9003	-302	417.91	1178.0	362.3	82	381.4
	May 2022	935	15.2	1063.32	8677	-326	414.06	1136.0	351.1	81	375.7
	Jun 2022	893	15.0	1059.47	8383	-294	408.10	1451.0	326.7	100	365.9
	Jul 2022	783	12.7	1058.18	8285	-97	405.88	1434.0	286.0	100	365.2
	Aug 2022	752	12.2	1058.05	8276	-10	405.50	1442.6	273.0	100	363.3
	Sep 2022	666	11.2	1056.66	8172	-103	405.40	1434.8	239.6	100	359.6
<b>WY 2022</b>		<b>8726</b>							<b>3267.9</b>		
	Oct 2022	511	8.3	1056.20	8138	-34	407.68	1306.3	187.9	91	367.5
	Nov 2022	629	10.6	1054.80	8034	-104	409.69	1210.6	228.0	85	362.6
	Dec 2022	542	8.8	1055.84	8111	77	407.81	1158.4	194.7	81	359.4
	Jan 2023	521	8.5	1059.09	8354	243	408.46	1071.9	192.8	74	370.2
	Feb 2023	553	10.0	1060.93	8494	140	411.14	955.0	205.0	65	370.3

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Davis Dam - Lake Mohave



— BUREAU OF —  
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	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	969	16.3	643.00	1699	14	138.57	253.3	120.9	99	124.8
	May 2021	994	16.2	643.00	1699	0	138.85	255.0	124.4	100	125.1
	Jun 2021	886	14.9	643.00	1699	0	139.29	255.0	111.2	100	125.5
	Jul 2021	835	13.6	642.00	1671	-27	139.25	255.0	104.8	100	125.5
	Aug 2021	759	12.3	642.00	1671	0	139.21	255.0	95.2	100	125.4
	Sep 2021	755	12.7	639.01	1591	-81	137.58	255.0	93.6	100	124.0
<b>WY 2021</b>		<b>8945</b>							<b>1117.2</b>		
	Oct 2021	741	12.1	633.00	1434	-156	133.33	215.5	89.0	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	431	7.0	641.80	1666	62	140.10	161.2	54.4	63	126.2
	Feb 2022	541	9.7	641.80	1666	0	140.05	198.5	68.3	78	126.2
	Mar 2022	850	13.8	643.05	1700	34	139.10	204.0	106.5	80	125.3
	Apr 2022	927	15.6	643.00	1699	-2	139.08	204.0	116.1	80	125.3
	May 2022	904	14.7	643.00	1699	0	139.36	204.0	113.5	80	125.6
	Jun 2022	854	14.4	643.00	1699	0	139.48	255.0	107.4	100	125.7
	Jul 2022	775	12.6	642.00	1671	-27	139.62	255.0	97.5	100	125.8
	Aug 2022	718	11.7	642.00	1671	0	139.47	255.0	90.2	100	125.7
	Sep 2022	691	11.6	640.01	1617	-54	138.50	255.0	86.2	100	124.8
<b>WY 2022</b>		<b>8363</b>							<b>1041.7</b>		
	Oct 2022	669	10.9	633.00	1434	-183	134.29	227.0	80.9	89	121.0
	Nov 2022	545	9.2	635.00	1486	51	132.50	159.8	65.0	63	119.4
	Dec 2022	403	6.6	639.51	1604	118	136.91	154.7	49.8	61	123.3
	Jan 2023	433	7.0	641.80	1666	62	140.09	156.3	54.6	61	126.2
	Feb 2023	534	9.6	641.80	1666	0	140.10	156.6	67.4	61	126.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



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	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	570	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 Most Probable Water Supply Forecast



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## March 2021 24-Month Study

Most Probable Inflow\*

### Upper Basin Power



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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>14</b>
Apr 2021	243	17	12	18	10	3
May 2021	242	18	12	18	12	4
Jun 2021	253	32	20	30	19	4
Jul 2021	298	22	22	29	15	5
Aug 2021	308	34	0	30	15	5
Sep 2021	236	33	0	27	9	3
<b>Summer 2021</b>	<b>1579</b>	<b>155</b>	<b>65</b>	<b>152</b>	<b>80</b>	<b>24</b>
Oct 2021	182	22	2	26	13	5
Nov 2021	189	17	4	6	4	5
Dec 2021	225	20	4	6	4	5
Jan 2022	269	20	5	6	4	4
Feb 2022	236	18	4	6	3	4
Mar 2022	247	27	5	7	5	4
<b>Winter 2022</b>	<b>1348</b>	<b>124</b>	<b>24</b>	<b>57</b>	<b>32</b>	<b>25</b>
Apr 2022	219	26	11	17	10	4
May 2022	224	30	50	67	23	5
Jun 2022	245	62	22	32	21	7
Jul 2022	283	23	32	38	20	8
Aug 2022	302	36	33	39	20	5
Sep 2022	226	36	27	32	8	3
<b>Summer 2022</b>	<b>971</b>	<b>141</b>	<b>115</b>	<b>155</b>	<b>74</b>	<b>24</b>
Oct 2022	190	25	25	30	15	6
Nov 2022	198	34	16	19	10	5
Dec 2022	237	51	30	37	19	5
Jan 2023	284	51	19	24	12	5
Feb 2023	251	46	11	14	7	4

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 2021 24-Month Study

Most Probable Inflow\*

## Flood Control Criteria - Beginning of Month Conditions



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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	
<b>**** PREDICTED SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Mar 2021	813	429	649	15096	16988	16998	33986	309	245	289	843	15096	16998	32938	1500	943	0	26.5	
Apr 2021	801	418	646	15487	17352	17165	34517	292	235	280	807	15487	17165	33460	1500	1007	0	26.0	
May 2021	769	409	633	15738	17548	17495	35044	254	224	243	721	15738	17495	33954	1500	1025	0	25.9	
Jun 2021	712	321	553	15698	17284	17880	35163	186	125	126	437	15698	17880	34015	1500	925	0	26.4	
Jul 2021	593	209	507	15230	16540	18186	34725	56	-2	25	79	15230	18186	33495	1500	843	0	25.9	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2021	552	208	542	15512	16814	18291	35106	552	208	542	1302	15512	18291	35106	1500	793	0	25.4	
Sep 2021	611	237	560	15944	17352	18304	35656	611	237	560	1408	15944	18304	35656	2270	704	0	24.8	
Oct 2021	683	276	567	16223	17748	18398	36146	683	276	567	1525	16223	18398	36146	3040	611	0	24.3	
Nov 2021	711	314	561	16319	17905	18528	36433	711	314	561	1586	16319	18528	36433	3810	634	0	24.2	
Dec 2021	721	300	560	16448	18029	18637	36666	721	300	560	1581	16448	18637	36666	4580	519	0	24.1	
Jan 2022	750	288	559	16675	18272	18537	36810	750	288	559	1597	16675	18537	36810	5350	519	0	24.1	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2022	750	288	559	16675	18272	18537	36810	483	288	217	988	16675	18537	36201	5350	519	0	24.1	
Feb 2022	772	278	560	17014	18625	18294	36918	502	278	218	998	17014	18294	36306	1500	560	0	24.0	
Mar 2022	786	268	552	17252	18858	18162	37019	513	268	208	989	17252	18162	36403	1500	904	0	23.8	
Apr 2022	777	247	497	17371	18892	18315	37207	499	247	147	893	17371	18315	36579	1500	950	0	23.8	
May 2022	736	207	428	17232	18603	18617	37220	452	207	54	713	17232	18617	36562	1500	935	0	25.0	
Jun 2022	591	188	392	16002	17173	18943	36115	295	186	-20	461	16002	18943	35406	1500	893	0	26.4	
Jul 2022	430	22	510	14469	15430	19237	34667	118	-4	42	157	14469	19237	33863	1500	783	0	26.4	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2022	331	19	527	14412	15289	19335	34624	331	19	527	877	14412	19335	34624	1500	752	0	26.1	
Sep 2022	369	56	550	14639	15614	19344	34959	369	56	550	975	14639	19344	34959	2270	666	0	25.7	
Oct 2022	435	96	546	14743	15820	19448	35268	435	96	546	1078	14743	19448	35268	3040	511	0	25.4	
Nov 2022	463	135	531	14729	15858	19482	35340	463	135	531	1129	14729	19482	35340	3810	629	0	25.3	
Dec 2022	517	156	528	14732	15934	19586	35520	517	156	528	1201	14732	19586	35520	4580	542	0	25.2	
Jan 2023	634	231	527	14799	16190	19509	35699	634	231	527	1392	14799	19509	35699	5350	521	0	25.2	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2023	634	231	527	14799	16190	19509	35699	365	192	115	673	14799	19509	34980	5350	521	0	25.2	
Feb 2023	744	271	528	15008	16551	19266	35817	476	233	116	825	15008	19266	35098	1500	553	0	25.1	

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