

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

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

**Current Reservoir Status**

Reservoir	December Inflow (unregulated) (acre-feet)	Percent of Average (%)	January 14, Midnight Elevation (feet)	January 14, Midnight Reservoir Storage (acre-feet)
Fontenelle	26,700	82	6,481.68	167,600
Flaming Gorge	24,100	68	6,024.85	3,154,700
Blue Mesa	20,900	81	7,464.91	398,000
Navajo	9,800	39	6,036.19	1,072,000
Powell	168,900	46	3,579.55	9,901,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this January 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 January 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 January 10, 2021, the Fontenelle Reservoir pool elevation is 6482.37 feet, which amounts to 51 percent of live storage capacity. Inflows for the month of December totaled 27,000 acre-feet (af) or 82 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 January final forecast for unregulated inflows into Fontenelle for the next three months projects below average conditions. January, February, and March inflow volumes amount to 25,000 af (82 percent of average), 22,000 af (80 percent of average), and 40,000 af (76 percent of average), respectively.

The 2021 water year unregulated inflow volume is forecasted to be 719,000 af (66 percent of average) based on the January forecast. This is a considerable decrease when compared to the November forecast when the unregulated inflow volume was forecasted to be 799,000 af (74 percent of average).

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 April 22, 2021. The meeting will be held at 10:00am at the Seedskadee National Wildlife Refuge. Depending on the COVID-19 (Coronavirus) situation we may need to change it to a virtual meeting 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 January 11, 2021 Flaming Gorge Reservoir pool elevation is 6024.85 feet, which amounts to 84 percent of live storage capacity. Unregulated inflows for the month of December is approximately 24,103 acre-feet (af), which is 69% of the average December unregulated inflow volume.

The winter base flow period started on December 1. Winter average daily releases will meet moderately dry hydrologic condition lower targets in Reach 2 (1,100 cfs to 1,500

cfs, includes flows from the Yampa River). The daily average release of 1,000 cfs will be maintained through January, which is near +25% of the winter base flow.

The January final forecast for unregulated inflows into Flaming Gorge for the next three months projects below average conditions. January, February and March forecasted unregulated inflow volumes amount to 30,000 af (74 percent of average), 33,000 af (74 percent of average) and 76,000 af (74 percent of average), respectively.

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 January 10, 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 385 cfs.

The unregulated inflow volume in December to Blue Mesa was 20,888 af (67 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (December, January and February) are projected to be: 19,000 af (79 percent of average), 17,000 af (77 percent of average) and 29,000 af (81 percent of average), respectively. The January 24-Month Study is reflective of these new forecasts.

The 2021 water year unregulated inflow volume is projected to be 670,692 af (70 percent of average). The water supply period (April-July) for 2021 is forecasted to have 470,000 af of unregulated inflow (70 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 498,000 acre-feet to 999,000 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 7,497 feet by late July, 2021. This will be down approximately 20 feet from the full pool elevation (7,519.4 feet) and water storage in Blue Mesa at this time will be approximately 632,000 acre-feet which is 74 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 in January, 2021. However due to the pandemic this meeting is now cancelled. The next meeting would normally be scheduled in April, 2021 but a time and place have not yet be scheduled. Contact Erik Knight in the Grand Junction Area Office for details (970) 248-0629.

**Navajo Reservoir** – On January 11th, the daily average release rate from Navajo Dam was 400 cfs while reservoir inflow was averaging approximately 140 cfs. The water surface elevation was 6036.38 feet above sea level. At this elevation the live storage is 1.074 maf (63 percent of live storage capacity) and the active storage is 0.412 maf (40 percent of active storage capacity). NIIP is not diverting. 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 170 cfs. River flow at the San Juan River at Four Corners USGS gage was 525 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 250 and 500 cfs to accomplish this for the remainder of fall and early winter. The current weekly calculated baseflow average is 506 cfs, which is within the SJRIP's recommended range.

Navajo was at 6036.9 ft of pool elevation and 1,079,469 acre-ft of storage by the end of December, which was 82% of average for the end of the month. The release averaged 360 cfs and totaled 21,860 af, which was 51% of average for the month. Preliminary modified unregulated inflow (MUI) into Navajo was 10,171 af. Calculated evaporation for the month was 528 af. Navajo had a net storage loss of 14,973 af in December.

The most probable inflow forecast (adjusted to include observed flows and the short term forecast) for January, February, and March is 8,910 af (41% of average), 14,000 af (46% of average), and 37,000 af (40% of average), respectively.

The April-July runoff forecasts are as follows:

Min Probable: 275,000 af (37% of average)

Most Probable: 450,000 af (61% of average)

Max Probable: 740,000 af (100% of average)

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, January 19th at 1:00 PM.

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

#### **Current Status**

The unregulated inflow volume to Lake Powell during December was 168 thousand acre-feet (kaf) (46 percent of average). The release volume from Glen Canyon Dam in December was 720 kaf. The end of December elevation and storage of Lake Powell were 3582.21 ft (118 feet from full pool) and 10.13 maf (42 percent of full capacity), respectively.

The six-month period from April to December 2020 is one of the driest periods on record. August 2020 with -20 kaf unregulated inflow (-4% of avg), is the second driest on record, following August 2002. September 2020 with 47 kaf unregulated inflow (12% of avg) is the second driest on record, following September 2018 (1 kaf). October 2020 with 91 kaf (18% of avg) is the driest on record, followed by October 2001 (159 kaf). November 2020 is the third driest. December 2020 with 168 kaf (46% of avg) is the driest on record, followed by December 2012 (201 kaf). 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 million acre-foot (maf) release from Lake Powell in water year 2021, the January 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 January 24-Month Study projects that 8.23 maf shall be released from Lake Powell in water year 2021.

In January, the release volume will be approximately 763 kaf, with fluctuations anticipated between about 9,284 cfs in the nighttime to about 16,151 cfs in the daytime, and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for February is 675 kaf and March is 713 kaf.

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 fairly 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 January 1, 2021, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 5.72 maf (53 percent 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. The January forecast for water year 2021 ranges from a minimum probable of 3.59 maf (33 percent of average) to a maximum probable of 8.84 maf (82 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast of 5.72 maf unregulated inflow, the January 24-Month Study projects Lake Powell elevation will end water year 2021 near 3,563.97 feet with approximately 8.63 maf in storage (35 percent 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 January 2021 are 3,543.77 feet (7.15 maf, 29 percent of capacity) and 3,581.54 feet (10.07 maf, 41 percent of capacity), respectively. Under these scenarios, there is a 10 percent chance that inflows will be higher, resulting in higher elevation and storage, and 10 percent 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 January most probable. The January minimum probable scenario is projected to release 8.23 maf, and 9.0 maf under the January maximum probable inflow scenario.

Under the January minimum probable 24-Month Study, the January minimum probable forecast projects Lake Powell's water surface elevation to fall below 3,525 feet during the beginning of water year 2023 (October-December 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”). Notification went out to the Basin States (Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming) and the Upper Colorado River Commission (UCRC) informing them of this event. This model result does not initiate operational changes to Reclamation facilities.

The Upper Division States and the UCRC enhanced monitoring and coordination will involve a monthly meeting communicating monthly model results from the minimum (10th percentile), most (50th percentile) and maximum (90th percentile) projected operations. Please note that 90 percent of the unregulated inflow hydrologic inputs are expected to be above the minimum probable projections and there is currently a 10 percent 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.

### **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 percent 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 percent of average) in water year 2002 to a high of 15.97 maf (147 percent of average) in water year 2011. In water year 2018 unregulated inflow volume to Lake Powell was 4.6 maf (43 percent 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 5.72 maf (53 percent of average).

At the beginning of water year 2021, total system storage in the Colorado River Basin was 28.88 maf (48 percent 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 percent 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 percent of capacity at the beginning of 2000 to the now current level of 48 percent 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 27.55 maf (46

percent 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				
:		sep	oct	nov	dec	%Avg	jan	feb	mar	apr-jul %Avg
GLDA3:Lake Powell		47	87	261	168	46%:	215/	250/	410/	3800/: 53%
GBRW4:Fontenelle		25	31	32	26	81%:	25/	22/	40/	460/: 63%
GRNU1:Flaming Gorge		28	26	36	24	69%:	30/	33/	76/	585/: 60%
BMDC2:Blue Mesa		23	20	25	21	82%:	19/	17/	29/	470/: 70%
MPSC2:Morrow Point		23	16.8	27	24	87%:	20/	19/	32/	510/: 69%
CLSC2:Crystal		25	18.3	29	27	83%:	23/	21/	36/	570/: 68%
TPIC2:Taylor Park		5.5	4.2	4.1	3.9	83%:	3.4/	2.9/	3.2/	75/: 76%
VCRC2:Vallecito		4.1	2.6	3.4	2.7	43%:	2.5/	2/	3/	110/: 57%
NVRN5:Navajo		-7.36	6.3	16.9	9.8	39%:	11.5/	14/	37/	450/: 61%
LEMC2:Lemon		0.69	0.36	0.53	0.43	39%:	0.3/	0.3/	0.7/	31/: 56%
MPHC2:McPhee		8.1	1.49	1.92	1.33	30%:	2.0/	2.5/	7.0/	170/: 58%
RBSC2:Ridgway		3.2	3.2	3.9	3.2	71%:	2.9/	2.6/	4.4/	62/: 61%
YDLC2:Deerlodge		5.2	14.2	22	22e	88%:	19/	18/	52/	855/: 69%
DRGC2:Durango		9.9	7.3	8.3	6.8	46%:	7.0/	6.5/	10.0/	240/: 58%

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Fontenelle Reservoir



	Regulated Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Jan 2020	34	1	64	0	64	6481.89	177
H Feb 2020	32	1	60	0	60	6476.34	147
I Mar 2020	54	1	65	0	65	6473.94	136
S Apr 2020	83	1	73	0	73	6475.89	145
T May 2020	161	1	101	0	101	6486.37	203
O Jun 2020	288	2	107	73	180	6501.43	309
R Jul 2020	145	3	99	23	121	6504.12	330
I Aug 2020	41	2	74	0	74	6499.62	295
C 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>		
A Oct 2020	23	1	0	55	55	6490.95	225
L Nov 2020	33	1	17	35	52	6487.89	205
* Dec 2020	27	1	50	1	51	6483.85	180
Jan 2021	25	1	51	0	51	6479.18	162
Feb 2021	22	0	46	0	46	6474.29	137
Mar 2021	40	0	51	0	51	6471.83	126
Apr 2021	60	1	49	0	49	6474.09	137
May 2021	85	1	60	0	60	6478.82	160
Jun 2021	210	2	71	0	71	6499.86	297
Jul 2021	105	3	74	0	74	6503.58	326
Aug 2021	52	2	67	0	67	6501.40	309
Sep 2021	37	2	40	20	60	6498.16	284
<b>WY 2021</b>	<b>718</b>	<b>15</b>	<b>575</b>	<b>111</b>	<b>685</b>		
Oct 2021	40	1	61	0	61	6495.03	262
Nov 2021	41	1	65	0	65	6491.41	237
Dec 2021	33	1	68	0	68	6485.99	201
Jan 2022	31	1	68	0	68	6479.60	164
Feb 2022	29	0	61	0	61	6472.87	131
Mar 2022	53	0	65	0	65	6469.95	118
Apr 2022	82	1	73	0	73	6471.98	127
May 2022	169	1	91	0	91	6486.28	203
Jun 2022	278	2	104	77	181	6499.99	298
Jul 2022	164	3	102	37	139	6502.80	320
Aug 2022	71	2	65	0	65	6503.19	323
Sep 2022	44	2	36	23	60	6500.92	305
<b>WY 2022</b>	<b>1034</b>	<b>15</b>	<b>860</b>	<b>137</b>	<b>998</b>		
Oct 2022	45	1	61	0	61	6498.52	287
Nov 2022	43	1	60	0	60	6496.19	270
Dec 2022	33	1	61	0	61	6492.01	241

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Flaming Gorge Reservoir**



Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
* Jan 2020	49	80	2	133	0	133	132	6028.03	3274	168
H Feb 2020	47	76	2	124	0	124	130	6026.75	3225	157
I Mar 2020	106	117	3	119	0	119	130	6026.61	3220	228
S Apr 2020	114	104	5	112	0	112	129	6026.26	3207	308
T May 2020	218	158	8	98	31	129	130	6026.81	3228	672
O Jun 2020	343	236	10	157	31	188	131	6027.76	3263	530
R Jul 2020	158	134	13	90	0	90	133	6028.55	3293	131
I Aug 2020	35	67	12	112	0	112	130	6027.10	3238	124
C Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
<b>WY 2020</b>	<b>1253</b>	<b>1251</b>	<b>80</b>	<b>1333</b>	<b>62</b>	<b>1395</b>				<b>2825</b>
A Oct 2020	17	50	7	64	0	64	128	6025.38	3174	85
L Nov 2020	36	55	4	54	0	54	128	6025.33	3172	82
* Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
Jan 2021	30	56	2	61	0	61	127	6024.72	3150	80
Feb 2021	33	57	2	56	0	56	127	6024.69	3149	74
Mar 2021	76	87	3	53	0	53	128	6025.50	3179	105
Apr 2021	95	84	5	51	0	51	129	6026.22	3206	171
May 2021	135	110	8	68	0	68	130	6027.12	3239	388
Jun 2021	240	101	10	124	0	124	129	6026.25	3207	484
Jul 2021	115	84	13	74	0	74	129	6026.17	3204	129
Aug 2021	59	74	12	92	0	92	128	6025.37	3174	108
Sep 2021	41	64	11	96	0	96	126	6024.25	3133	108
<b>WY 2021</b>	<b>901</b>	<b>868</b>	<b>78</b>	<b>854</b>	<b>0</b>	<b>854</b>				<b>1902</b>
Oct 2021	47	69	7	63	0	63	126	6024.21	3131	93
Nov 2021	47	71	3	53	0	53	127	6024.60	3145	85
Dec 2021	33	68	2	74	0	74	126	6024.40	3138	101
Jan 2022	40	77	2	74	0	74	126	6024.43	3139	101
Feb 2022	44	76	2	67	0	67	127	6024.63	3147	91
Mar 2022	95	107	3	65	0	65	128	6025.66	3185	144
Apr 2022	125	116	5	62	0	62	130	6026.91	3231	270
May 2022	246	169	8	87	0	87	133	6028.80	3303	601
Jun 2022	360	262	11	182	0	182	136	6030.54	3370	581
Jul 2022	184	160	14	74	0	74	138	6032.32	3439	147
Aug 2022	80	75	13	102	0	102	137	6031.35	3402	126
Sep 2022	50	66	11	101	0	101	135	6030.20	3357	115
<b>WY 2022</b>	<b>1352</b>	<b>1316</b>	<b>80</b>	<b>1003</b>	<b>0</b>	<b>1003</b>				<b>2454</b>
Oct 2022	54	71	7	75	0	75	135	6029.89	3345	108
Nov 2022	50	66	4	66	0	66	134	6029.81	3342	99
Dec 2022	33	62	2	80	0	80	134	6029.31	3323	107

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

January 2021 24-Month Study

Most Probable Inflow\*

**Taylor Park Reservoir**



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2020	4	6	9312.52	74
H	Feb 2020	4	6	9311.72	73
I	Mar 2020	5	6	9310.81	71
S	Apr 2020	7	6	9311.67	73
T	May 2020	24	10	9319.44	86
O	Jun 2020	22	16	9322.93	92
R	Jul 2020	8	17	9317.91	83
I	Aug 2020	4	14	9311.83	73
C	Sep 2020	5	9	9309.62	69
<b>WY 2020</b>		<b>101</b>	<b>113</b>		
A	Oct 2020	4	5	9308.95	68
L	Nov 2020	4	5	9308.44	67
*	Dec 2020	4	5	9307.73	66
	Jan 2021	3	5	9306.62	65
	Feb 2021	3	5	9305.48	63
	Mar 2021	3	5	9304.19	61
	Apr 2021	6	6	9304.22	61
	May 2021	20	10	9311.05	72
	Jun 2021	34	20	9319.28	86
	Jul 2021	15	18	9317.46	82
	Aug 2021	7	15	9312.55	74
	Sep 2021	5	13	9307.27	66
<b>WY 2021</b>		<b>109</b>	<b>112</b>		
	Oct 2021	5	6	9306.95	65
	Nov 2021	5	5	9306.63	65
	Dec 2021	5	5	9306.30	64
	Jan 2022	4	5	9305.70	63
	Feb 2022	4	5	9305.16	62
	Mar 2022	5	5	9304.68	62
	Apr 2022	9	10	9304.00	61
	May 2022	27	12	9313.54	76
	Jun 2022	42	16	9327.79	102
	Jul 2022	16	16	9327.64	101
	Aug 2022	9	16	9324.04	94
	Sep 2022	7	16	9319.35	86
<b>WY 2022</b>		<b>137</b>	<b>117</b>		
	Oct 2022	7	12	9316.36	80
	Nov 2022	5	5	9316.39	81
	Dec 2022	5	5	9316.21	80

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Blue Mesa Reservoir**



Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Jan 2020	26	28	0	44	0	61	7486.45	554
H Feb 2020	22	24	0	31	0	40	7484.20	537
I Mar 2020	34	36	0	38	0	38	7483.85	534
S Apr 2020	50	49	1	73	0	73	7480.49	510
T May 2020	153	140	1	82	17	99	7485.88	550
O Jun 2020	139	131	1	83	3	85	7491.64	594
R Jul 2020	46	55	1	92	1	92	7486.61	555
I Aug 2020	26	36	1	95	0	95	7478.53	495
C 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>		
A Oct 2020	20	21	0	66	0	66	7463.47	389
L Nov 2020	25	25	0	18	0	18	7464.59	396
* Dec 2020	21	22	0	21	0	21	7464.73	397
Jan 2021	19	21	0	21	0	21	7464.72	397
Feb 2021	17	19	0	18	0	18	7464.76	397
Mar 2021	29	31	0	0	21	21	7466.20	406
Apr 2021	50	50	1	0	40	40	7467.66	416
May 2021	145	135	1	6	39	45	7480.34	504
Jun 2021	195	181	1	57	0	57	7496.23	627
Jul 2021	80	83	1	76	0	76	7496.91	633
Aug 2021	45	53	1	81	0	81	7493.32	604
Sep 2021	25	33	1	70	0	70	7488.49	566
<b>WY 2021</b>	<b>671</b>	<b>674</b>	<b>8</b>	<b>435</b>	<b>100</b>	<b>535</b>		
Oct 2021	29	30	0	68	0	68	7483.46	528
Nov 2021	28	28	0	14	0	14	7485.36	542
Dec 2021	27	27	0	15	0	15	7486.89	554
Jan 2022	25	26	0	15	0	15	7488.22	564
Feb 2022	23	24	0	14	0	14	7489.48	574
Mar 2022	37	38	0	17	0	17	7492.16	595
Apr 2022	78	79	1	38	0	38	7497.14	635
May 2022	199	184	1	207	11	218	7492.78	600
Jun 2022	262	236	1	52	0	52	7514.37	782
Jul 2022	98	99	2	93	0	93	7514.86	787
Aug 2022	59	66	1	96	0	96	7511.44	756
Sep 2022	38	46	1	90	0	90	7506.28	711
<b>WY 2022</b>	<b>902</b>	<b>882</b>	<b>9</b>	<b>718</b>	<b>11</b>	<b>728</b>		
Oct 2022	38	43	1	87	0	87	7500.98	666
Nov 2022	31	31	0	57	0	57	7497.87	641
Dec 2022	27	27	0	83	0	83	7490.87	585

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Morrow Point Reservoir**



Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Jan 2020	27	61	1	61	63	0	63	7147.47	107
H Feb 2020	23	40	1	41	41	0	41	7147.88	107
I Mar 2020	36	38	2	40	42	0	42	7145.65	106
S Apr 2020	54	73	4	77	76	0	76	7147.10	107
T May 2020	162	99	10	109	109	0	109	7146.72	107
O Jun 2020	142	85	4	89	85	0	85	7152.13	111
R Jul 2020	47	92	1	93	93	0	93	7152.06	111
I Aug 2020	27	95	1	96	95	0	97	7151.26	110
C 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>		
A Oct 2020	17	66	1	67	66	0	66	7151.06	110
L Nov 2020	27	18	2	20	23	0	23	7147.26	107
* Dec 2020	24	21	3	24	23	0	23	7148.38	108
Jan 2021	20	21	1	22	22	0	22	7147.94	107
Feb 2021	19	18	2	20	20	0	20	7147.94	107
Mar 2021	32	21	3	24	24	0	24	7147.94	107
Apr 2021	60	40	10	50	50	0	50	7147.94	107
May 2021	160	45	15	60	60	0	60	7147.94	107
Jun 2021	205	57	10	67	67	0	67	7147.94	107
Jul 2021	85	76	5	81	81	0	81	7147.94	107
Aug 2021	47	81	2	83	83	0	83	7147.94	107
Sep 2021	28	70	3	73	73	0	73	7147.94	107
<b>WY 2021</b>	<b>724</b>	<b>535</b>	<b>57</b>	<b>592</b>	<b>593</b>	<b>0</b>	<b>593</b>		
Oct 2021	32	68	3	71	71	0	71	7147.94	107
Nov 2021	30	14	2	16	16	0	16	7147.94	107
Dec 2021	28	15	2	17	17	0	17	7147.94	107
Jan 2022	27	15	2	18	18	0	18	7147.94	107
Feb 2022	25	14	2	16	16	0	16	7147.94	107
Mar 2022	41	17	4	20	20	0	20	7147.94	107
Apr 2022	89	38	11	49	49	0	49	7147.94	107
May 2022	220	218	21	239	239	0	239	7147.94	107
Jun 2022	280	52	18	70	70	0	70	7147.94	107
Jul 2022	102	93	4	96	96	0	96	7147.94	107
Aug 2022	62	96	2	98	98	0	98	7147.94	107
Sep 2022	40	90	2	92	92	0	92	7147.94	107
<b>WY 2022</b>	<b>975</b>	<b>728</b>	<b>72</b>	<b>801</b>	<b>800</b>	<b>0</b>	<b>800</b>		
Oct 2022	40	87	3	90	90	0	90	7147.94	107
Nov 2022	33	57	2	59	58	0	58	7147.94	107
Dec 2022	28	83	2	85	85	0	85	7147.94	107

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Crystal Reservoir



	Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
Date	(1000 Ac-Ft)	(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)	(1000 Ac-Ft)
* Jan 2020	31	63	4	67	58	9	67	6745.61	15	1	64
H Feb 2020	26	41	3	44	24	19	43	6748.71	16	1	43
I Mar 2020	42	42	6	47	45	1	46	6754.38	17	11	33
S Apr 2020	59	76	5	81	81	0	81	6754.37	17	55	26
T May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
O Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
R Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
I Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
C 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>
A Oct 2020	18	66	2	68	49	19	67	6751.39	16	42	25
L Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
* Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
Jan 2021	23	22	3	25	25	0	25	6749.63	16	0	25
Feb 2021	21	20	2	22	22	0	22	6749.63	16	0	22
Mar 2021	36	24	4	28	0	28	28	6749.63	16	5	23
Apr 2021	70	50	10	60	60	0	60	6749.63	16	42	18
May 2021	180	60	20	80	80	0	80	6749.63	16	62	18
Jun 2021	230	67	25	92	92	0	92	6749.63	16	61	31
Jul 2021	90	81	5	86	86	0	86	6749.63	16	65	21
Aug 2021	50	83	3	86	86	0	86	6749.63	16	65	21
Sep 2021	35	73	7	80	52	28	80	6749.63	16	55	25
<b>WY 2021</b>	<b>809</b>	<b>593</b>	<b>85</b>	<b>678</b>	<b>602</b>	<b>76</b>	<b>678</b>			<b>397</b>	<b>277</b>
Oct 2021	39	71	7	78	78	0	78	6749.63	16	30	48
Nov 2021	35	16	5	21	21	0	21	6749.63	16	0	21
Dec 2021	33	17	5	22	22	0	22	6749.63	16	0	22
Jan 2022	31	18	4	22	22	0	22	6749.63	16	0	22
Feb 2022	29	16	4	19	19	0	19	6749.63	16	0	19
Mar 2022	47	20	6	26	26	0	26	6749.63	16	5	21
Apr 2022	100	49	12	60	60	0	60	6749.63	16	42	18
May 2022	247	239	27	266	136	129	265	6749.63	16	62	203
Jun 2022	311	70	32	101	101	0	101	6749.63	16	61	40
Jul 2022	110	96	9	105	105	0	105	6749.63	16	65	40
Aug 2022	68	98	7	105	105	0	105	6749.63	16	65	40
Sep 2022	46	92	6	98	48	50	98	6749.63	16	55	43
<b>WY 2022</b>	<b>1097</b>	<b>800</b>	<b>122</b>	<b>922</b>	<b>742</b>	<b>179</b>	<b>921</b>			<b>385</b>	<b>536</b>
Oct 2022	47	90	6	96	96	0	96	6749.63	16	55	41
Nov 2022	38	58	5	63	63	0	63	6749.63	16	0	63
Dec 2022	33	85	5	89	89	0	89	6749.63	16	0	89

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

January 2021 24-Month Study

Most Probable Inflow\*

**Vallecito Reservoir**



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2020	5	2	7646.26	78
H	Feb 2020	4	2	7647.01	80
I	Mar 2020	6	2	7648.55	84
S	Apr 2020	16	4	7653.32	95
T	May 2020	66	37	7664.35	124
O	Jun 2020	38	48	7660.61	114
R	Jul 2020	11	38	7649.57	86
I	Aug 2020	5	36	7635.21	54
C	Sep 2020	4	28	7620.77	30
<b>WY 2020</b>		<b>167</b>	<b>213</b>		
A	Oct 2020	3	2	7620.99	30
L	Nov 2020	3	0	7623.08	33
*	Dec 2020	3	0	7624.62	36
	Jan 2021	3	0	7625.95	38
	Feb 2021	2	0	7626.93	40
	Mar 2021	3	0	7628.41	42
	Apr 2021	10	0	7633.62	52
	May 2021	36	27	7637.75	60
	Jun 2021	48	38	7642.13	69
	Jul 2021	16	37	7631.38	47
	Aug 2021	13	34	7617.49	26
	Sep 2021	13	27	7603.73	12
<b>WY 2021</b>		<b>152</b>	<b>168</b>		
	Oct 2021	11	15	7599.45	9
	Nov 2021	8	2	7606.86	15
	Dec 2021	7	2	7611.99	20
	Jan 2022	6	2	7615.39	24
	Feb 2022	5	2	7618.23	27
	Mar 2022	9	2	7623.53	34
	Apr 2022	23	2	7635.49	55
	May 2022	69	31	7652.28	93
	Jun 2022	68	43	7661.83	117
	Jul 2022	24	42	7654.88	99
	Aug 2022	17	38	7646.15	78
	Sep 2022	18	30	7640.70	66
<b>WY 2022</b>		<b>266</b>	<b>209</b>		
	Oct 2022	14	17	7639.10	63
	Nov 2022	9	2	7642.14	69
	Dec 2022	7	2	7644.39	74

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*  
Navajo Reservoir



	Mod Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
Date	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)					
* Jan 2020	16	0	14	1	1	31	6056.81	1308	44
H Feb 2020	17	0	15	1	3	24	6055.76	1295	37
I Mar 2020	35	2	30	2	5	26	6055.57	1292	35
S Apr 2020	80	11	60	2	25	29	6055.92	1297	37
T May 2020	199	27	142	4	37	32	6061.48	1367	122
O Jun 2020	65	8	64	4	41	31	6060.49	1354	96
R Jul 2020	3	1	29	4	47	47	6054.99	1285	59
I Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
C 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>672</b>
A Oct 2020	6	0	6	1	9	42	6039.09	1103	46
L Nov 2020	17	0	14	1	0	22	6038.29	1094	38
* Dec 2020	10	0	7	1	0	22	6036.88	1079	33
Jan 2021	12	0	9	1	0	22	6035.59	1066	29
Feb 2021	14	0	12	1	0	17	6035.05	1060	24
Mar 2021	37	1	33	1	6	20	6035.67	1067	30
Apr 2021	82	7	65	2	22	21	6037.61	1087	47
May 2021	172	21	143	3	37	18	6045.34	1172	98
Jun 2021	160	19	131	4	53	18	6050.20	1228	116
Jul 2021	36	1	56	4	57	33	6046.94	1190	69
Aug 2021	32	1	52	3	48	33	6044.13	1158	57
Sep 2021	32	1	45	2	26	27	6043.17	1148	48
<b>WY 2021</b>	<b>609</b>	<b>51</b>	<b>575</b>	<b>24</b>	<b>258</b>	<b>294</b>			<b>635</b>
Oct 2021	37	1	39	2	9	20	6043.97	1156	39
Nov 2021	26	0	20	1	0	18	6044.10	1158	34
Dec 2021	25	0	20	1	0	18	6044.19	1159	34
Jan 2022	22	0	18	1	0	18	6044.07	1158	33
Feb 2022	30	0	26	1	0	17	6044.83	1166	29
Mar 2022	96	9	79	1	6	18	6049.51	1220	42
Apr 2022	152	18	113	2	22	18	6055.46	1291	68
May 2022	266	35	193	4	37	18	6065.97	1426	159
Jun 2022	212	27	160	5	54	18	6072.10	1510	170
Jul 2022	48	2	64	5	58	20	6070.71	1490	80
Aug 2022	30	2	49	4	48	46	6067.06	1440	80
Sep 2022	41	2	51	3	26	77	6062.97	1386	107
<b>WY 2022</b>	<b>986</b>	<b>96</b>	<b>833</b>	<b>28</b>	<b>260</b>	<b>307</b>			<b>874</b>
Oct 2022	43	1	45	2	9	19	6064.13	1401	42
Nov 2022	28	0	21	1	0	18	6064.33	1404	36
Dec 2022	25	0	20	1	0	18	6064.40	1405	34

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Lake Powell



	Unreg	Regulated	Evap	PowerPlant	Bypass	Total	Reservoir Elev	Bank	EOM	Lees
	Inflow	Inflow	Losses	Release	Release	Release	End of Month	Storage	Storage	Ferry Gage
Date	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)					
* Jan 2020	277	419	8	760	0	760	3605.48	5036	12281	768
H Feb 2020	288	393	9	675	0	675	3602.72	5015	12011	687
I Mar 2020	475	505	15	700	0	700	3600.71	4999	11818	719
S Apr 2020	475	510	23	630	0	630	3599.32	4989	11685	652
T May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
O Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
R Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
I Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
C 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>
A Oct 2020	78	246	31	640	0	640	3591.72	4932	10977	667
L Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
* Dec 2020	169	218	23	720	0	720	3582.21	4864	10130	716
Jan 2021	215	260	7	763	0	763	3576.68	4826	9658	774
Feb 2021	250	277	7	675	0	675	3572.16	4796	9283	685
Mar 2021	410	369	11	713	0	713	3568.09	4770	8954	727
Apr 2021	550	464	18	635	0	635	3565.89	4756	8779	651
May 2021	1100	836	21	632	0	632	3568.03	4770	8949	648
Jun 2021	1650	1326	34	663	0	663	3575.17	4816	9532	680
Jul 2021	500	510	41	749	0	749	3572.02	4795	9272	773
Aug 2021	280	399	40	800	0	800	3566.96	4763	8863	820
Sep 2021	260	382	36	600	0	600	3563.97	4744	8629	614
<b>WY 2021</b>	<b>5723</b>	<b>5566</b>	<b>297</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8405</b>
Oct 2021	371	418	25	480	0	480	3562.94	4738	8548	489
Nov 2021	411	395	24	500	0	500	3561.39	4728	8429	502
Dec 2021	364	387	19	600	0	600	3558.56	4711	8214	605
Jan 2022	355	376	5	723	0	723	3554.18	4685	7888	734
Feb 2022	399	400	6	639	0	639	3551.07	4667	7662	649
Mar 2022	653	539	9	675	0	675	3549.18	4656	7527	689
Apr 2022	945	748	15	601	0	601	3550.89	4666	7649	617
May 2022	2213	1897	19	599	0	599	3566.57	4760	8832	615
Jun 2022	2595	2093	35	628	0	628	3582.52	4866	10157	645
Jul 2022	898	813	44	709	0	709	3583.16	4871	10212	733
Aug 2022	445	569	44	758	0	758	3580.67	4853	9997	778
Sep 2022	386	553	40	568	0	568	3580.06	4849	9945	582
<b>WY 2022</b>	<b>10035</b>	<b>9188</b>	<b>286</b>	<b>7480</b>	<b>0</b>	<b>7480</b>				<b>7638</b>
Oct 2022	474	531	28	480	0	480	3580.31	4851	9966	489
Nov 2022	461	492	27	500	0	500	3579.93	4848	9934	502
Dec 2022	364	460	22	600	0	600	3578.18	4836	9785	600

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Hoover Dam - Lake Mead**



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)
* Jan 2020	760	75	31	405	6.6	9	404	732	1094.68	11265
H Feb 2020	675	68	29	557	9.7	9	550	741	1096.27	11405
I Mar 2020	700	156	33	593	9.6	12	568	755	1098.59	11610
S Apr 2020	630	83	41	862	14.5	18	847	742	1096.39	11415
T May 2020	629	33	46	1057	17.2	32	1054	713	1091.32	10971
O Jun 2020	650	19	55	973	16.4	31	973	689	1087.07	10605
R Jul 2020	750	35	68	902	14.7	36	901	676	1084.63	10398
I Aug 2020	833	69	72	847	13.8	36	845	673	1084.04	10349
C Sep 2020	602	56	59	646	10.9	28	645	668	1083.21	10279
<b>WY 2020</b>	<b>8230</b>	<b>863</b>	<b>553</b>	<b>8263</b>		<b>256</b>	<b>8176</b>			
A Oct 2020	640	35	43	730	11.9	21	729	661	1081.88	10167
L Nov 2020	640	56	42	714	12.0	11	713	656	1081.07	10100
* Dec 2020	720	60	37	497	8.1	10	496	671	1083.72	10322
Jan 2021	763	95	30	545	8.9	9	545	688	1086.75	10578
Feb 2021	675	101	28	596	10.7	6	596	696	1088.35	10715
Mar 2021	713	91	32	959	15.6	14	959	684	1086.14	10526
Apr 2021	635	69	39	1046	17.6	16	1046	660	1081.72	10154
May 2021	632	49	44	994	16.2	20	994	637	1077.43	9800
Jun 2021	663	28	52	940	15.8	30	940	617	1073.62	9489
Jul 2021	749	73	64	838	13.6	35	838	610	1072.27	9381
Aug 2021	800	91	68	785	12.8	36	785	610	1072.29	9382
Sep 2021	600	75	56	703	11.8	32	703	603	1070.92	9273
<b>WY 2021</b>	<b>8230</b>	<b>823</b>	<b>535</b>	<b>9349</b>		<b>240</b>	<b>9346</b>			
Oct 2021	480	75	41	611	9.9	26	611	595	1069.47	9158
Nov 2021	500	68	40	615	10.3	14	615	589	1068.28	9063
Dec 2021	600	64	35	496	8.1	8	496	597	1069.75	9180
Jan 2022	723	95	29	531	8.6	11	531	612	1072.66	9412
Feb 2022	639	101	27	532	9.6	9	532	622	1074.67	9574
Mar 2022	675	91	30	922	15.0	15	922	610	1072.33	9386
Apr 2022	601	69	37	951	16.0	17	951	590	1068.38	9071
May 2022	599	49	41	932	15.2	21	932	569	1064.22	8746
Jun 2022	628	28	49	929	15.6	29	929	547	1059.93	8417
Jul 2022	709	73	60	822	13.4	33	822	539	1058.26	8292
Aug 2022	758	91	64	770	12.5	34	770	538	1058.01	8273
Sep 2022	568	75	52	678	11.4	31	678	531	1056.53	8162
<b>WY 2022</b>	<b>7480</b>	<b>878</b>	<b>505</b>	<b>8789</b>		<b>248</b>	<b>8789</b>			
Oct 2022	480	75	38	471	7.7	26	471	532	1056.78	8181
Nov 2022	500	68	38	581	9.8	15	581	528	1055.95	8119
Dec 2022	600	59	33	525	8.5	10	525	533	1057.10	8204

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Davis Dam - Lake Mohave



	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)
*	Jan 2020	405	0	10	380	0	380	6.2	641.32	1653
H	Feb 2020	557	-3	10	523	0	523	9.1	642.10	1674
I	Mar 2020	593	3	13	549	0	549	8.9	643.32	1708
S	Apr 2020	862	4	17	861	0	861	14.5	642.91	1696
T	May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
O	Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
R	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
I	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
C	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
<b>WY 2020</b>		<b>8263</b>	<b>-51</b>	<b>198</b>	<b>8063</b>	<b>0</b>	<b>8063</b>			
A	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
L	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
*	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
	Jan 2021	545	-21	10	435	0	435	7.1	641.80	1666
	Feb 2021	596	-10	10	571	0	571	10.3	642.00	1671
	Mar 2021	959	-12	13	906	0	906	14.7	643.05	1700
	Apr 2021	1046	-12	17	1019	0	1019	17.1	643.00	1699
	May 2021	994	-10	22	962	0	962	15.6	643.00	1699
	Jun 2021	940	-15	25	900	0	900	15.1	643.00	1699
	Jul 2021	838	-12	25	828	0	828	13.5	642.00	1671
	Aug 2021	785	-12	23	750	0	750	12.2	642.00	1671
	Sep 2021	703	-15	18	751	0	751	12.6	639.01	1591
<b>WY 2021</b>		<b>9349</b>	<b>-170</b>	<b>197</b>	<b>8915</b>	<b>0</b>	<b>8915</b>			
	Oct 2021	611	-10	15	742	0	742	12.1	633.00	1434
	Nov 2021	615	-19	10	534	0	534	9.0	635.00	1486
	Dec 2021	496	-12	9	357	0	357	5.8	639.51	1604
	Jan 2022	531	-21	10	439	0	439	7.1	641.80	1666
	Feb 2022	532	-10	10	512	0	512	9.2	641.80	1666
	Mar 2022	922	-12	13	863	0	863	14.0	643.05	1700
	Apr 2022	951	-12	17	924	0	924	15.5	643.00	1699
	May 2022	932	-10	22	900	0	900	14.6	643.00	1699
	Jun 2022	929	-15	25	889	0	889	14.9	643.00	1699
	Jul 2022	822	-12	25	812	0	812	13.2	642.00	1671
	Aug 2022	770	-12	23	735	0	735	12.0	642.00	1671
	Sep 2022	678	-15	18	699	0	699	11.7	640.01	1618
<b>WY 2022</b>		<b>8789</b>	<b>-159</b>	<b>197</b>	<b>8405</b>	<b>0</b>	<b>8405</b>			
	Oct 2022	471	-10	15	629	0	629	10.2	633.00	1434
	Nov 2022	581	-19	10	501	0	501	8.4	635.00	1486
	Dec 2022	525	-12	9	385	0	385	6.3	639.51	1604

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



	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)
*	Jan 2020	380	1	6	311	5.1	17	75	446.50	552	106	1.7
H	Feb 2020	523	-3	8	400	6.9	3	75	448.15	583	138	2.4
I	Mar 2020	549	15	9	455	7.4	43	94	446.04	543	198	3.2
S	Apr 2020	861	29	11	642	10.8	55	148	447.41	569	171	2.9
T	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	132	2.1
O	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	142	2.4
R	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	156	2.5
I	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	131	2.1
C	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	116	2.0
<b>WY 2020</b>		<b>8063</b>	<b>99</b>	<b>139</b>	<b>6041</b>		<b>631</b>	<b>1319</b>			<b>1584</b>	
A	Oct 2020	725	22	12	448	7.3	94	164	447.77	576	71	1.2
L	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	96	1.6
*	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	94	1.5
	Jan 2021	435	20	6	314	5.1	70	60	446.50	552	116	1.9
	Feb 2021	571	10	8	402	7.2	0	155	446.99	561	131	2.4
	Mar 2021	906	5	9	634	10.3	99	166	446.70	555	156	2.5
	Apr 2021	1019	8	11	711	12.0	96	161	448.70	593	155	2.6
	May 2021	962	15	13	681	11.1	99	173	448.70	593	117	1.9
	Jun 2021	900	11	16	691	11.6	96	96	448.70	593	123	2.1
	Jul 2021	828	18	17	680	11.1	99	52	448.00	580	129	2.1
	Aug 2021	750	17	17	598	9.7	99	52	447.50	571	99	1.6
	Sep 2021	751	17	15	512	8.6	99	132	447.50	570	96	1.6
<b>WY 2021</b>		<b>8915</b>	<b>172</b>	<b>139</b>	<b>6313</b>		<b>1037</b>	<b>1480</b>			<b>1383</b>	
	Oct 2021	742	24	12	482	7.8	106	160	447.50	571	85	1.4
	Nov 2021	534	16	9	341	5.7	103	93	447.50	571	113	1.9
	Dec 2021	357	22	7	230	3.7	106	50	446.50	552	108	1.8
	Jan 2022	439	20	6	260	4.2	88	99	446.50	552	99	1.6
	Feb 2022	512	10	8	398	7.2	16	94	446.50	552	123	2.2
	Mar 2022	863	5	9	641	10.4	88	117	446.70	555	162	2.6
	Apr 2022	924	8	11	709	11.9	47	117	448.70	593	148	2.5
	May 2022	900	15	13	699	11.4	62	128	448.70	593	124	2.0
	Jun 2022	889	11	16	717	12.1	60	93	448.70	593	138	2.3
	Jul 2022	812	18	17	694	11.3	62	58	448.00	580	148	2.4
	Aug 2022	735	17	17	619	10.1	62	53	447.50	571	114	1.9
	Sep 2022	699	17	15	525	8.8	60	105	447.50	570	110	1.9
<b>WY 2022</b>		<b>8405</b>	<b>183</b>	<b>139</b>	<b>6315</b>		<b>861</b>	<b>1168</b>			<b>1473</b>	
	Oct 2022	629	24	12	467	7.6	62	105	447.50	571	71	1.2
	Nov 2022	501	16	9	338	5.7	60	105	447.50	571	88	1.5
	Dec 2022	385	22	7	238	3.9	83	93	446.50	552	93	1.5

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Hoover Dam - Lake Mead**



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
* Jan 2020	405	6.6	1094.68	11265	366	451.06	1152.1	160.0	70	395.1
H Feb 2020	557	9.7	1096.27	11405	140	452.31	962.0	224.2	57	402.6
I Mar 2020	593	9.6	1098.59	11610	205	450.96	1136.0	237.0	69	399.6
S Apr 2020	862	14.5	1096.39	11415	-194	447.37	1138.0	351.1	69	407.4
T May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
O Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
R Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
I Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
C 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>		
A Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
L Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
* Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
Jan 2021	545	8.9	1086.75	10578	256	436.23	1191.0	209.3	74	383.8
Feb 2021	596	10.7	1088.35	10715	137	438.24	1080.0	233.2	67	391.3
Mar 2021	959	15.6	1086.14	10526	-188	437.25	1109.0	385.5	70	401.9
Apr 2021	1046	17.6	1081.72	10154	-373	433.62	1086.9	418.6	70	400.0
May 2021	994	16.2	1077.43	9800	-354	427.41	1332.0	381.0	88	383.2
Jun 2021	940	15.8	1073.62	9489	-310	422.09	1502.0	358.6	100	381.4
Jul 2021	838	13.6	1072.27	9381	-108	419.86	1485.0	319.3	100	381.0
Aug 2021	785	12.8	1072.29	9382	1	419.53	1485.0	296.8	100	378.0
Sep 2021	703	11.8	1070.92	9273	-109	419.83	1485.0	263.6	100	374.9
<b>WY 2021</b>	<b>9349</b>							<b>3617.4</b>		
Oct 2021	611	9.9	1069.47	9158	-115	421.67	1398.1	229.4	91	375.6
Nov 2021	615	10.3	1068.28	9063	-94	426.49	761.0	239.5	52	389.7
Dec 2021	496	8.1	1069.75	9180	117	423.10	954.1	189.7	65	382.0
Jan 2022	531	8.6	1072.66	9412	232	423.79	873.0	199.7	58	376.0
Feb 2022	532	9.6	1074.67	9574	162	424.78	982.9	202.6	65	380.6
Mar 2022	922	15.0	1072.33	9386	-189	422.05	1262.0	351.8	85	381.7
Apr 2022	951	16.0	1068.38	9071	-314	418.84	1192.0	363.7	82	382.4
May 2022	932	15.2	1064.22	8746	-325	414.94	1150.0	350.9	81	376.4
Jun 2022	929	15.6	1059.93	8417	-329	408.77	1453.2	342.0	100	368.3
Jul 2022	822	13.4	1058.26	8292	-126	406.14	1443.8	302.1	100	367.3
Aug 2022	770	12.5	1058.01	8273	-18	405.52	1442.4	280.4	100	364.2
Sep 2022	678	11.4	1056.53	8162	-111	405.31	1434.0	244.1	100	360.2
<b>WY 2022</b>	<b>8789</b>							<b>3295.9</b>		
Oct 2022	471	7.7	1056.78	8181	19	406.98	1306.6	171.3	91	363.6
Nov 2022	581	9.8	1055.95	8119	-62	408.98	741.7	210.9	52	363.1
Dec 2022	525	8.5	1057.10	8204	85	407.01	934.1	186.6	65	355.5

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Davis Dam - Lake Mohave**



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
* Jan 2020	380	6.2	641.32	1653	15	141.95	156.3	49.9	61	131.3
H Feb 2020	523	9.1	642.10	1674	21	139.59	156.5	68.9	61	131.6
I Mar 2020	549	8.9	643.32	1708	33	142.51	164.5	67.4	65	122.6
S Apr 2020	861	14.5	642.91	1696	-11	137.62	253.3	109.7	99	127.4
T May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
O Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
R Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
I Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
C 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>		
A Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
L Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
* Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
Jan 2021	435	7.1	641.80	1666	80	139.73	156.3	54.7	61	125.9
Feb 2021	571	10.3	642.00	1671	5	139.93	156.5	71.9	61	126.1
Mar 2021	906	14.7	643.05	1700	29	138.87	161.2	113.3	63	125.1
Apr 2021	1019	17.1	643.00	1699	-1	138.56	253.3	127.2	99	124.8
May 2021	962	15.6	643.00	1699	0	139.03	255.0	120.5	100	125.3
Jun 2021	900	15.1	643.00	1699	0	139.21	255.0	112.9	100	125.4
Jul 2021	828	13.5	642.00	1671	-27	139.30	255.0	103.9	100	125.5
Aug 2021	750	12.2	642.00	1671	0	139.27	255.0	94.1	100	125.5
Sep 2021	751	12.6	639.01	1591	-81	137.61	255.0	93.1	100	124.0
<b>WY 2021</b>	<b>8915</b>							<b>1115.8</b>		
Oct 2021	742	12.1	633.00	1434	-156	133.32	215.5	89.1	85	120.1
Nov 2021	534	9.0	635.00	1486	51	132.57	170.0	63.8	67	119.4
Dec 2021	357	5.8	639.51	1604	118	137.26	153.0	44.1	60	123.7
Jan 2022	439	7.1	641.80	1666	62	140.05	187.6	55.3	74	126.2
Feb 2022	512	9.2	641.80	1666	0	140.27	245.9	64.7	96	126.4
Mar 2022	863	14.0	643.05	1700	34	139.02	205.7	108.1	81	125.2
Apr 2022	924	15.5	643.00	1699	-1	139.10	214.2	115.7	84	125.3
May 2022	900	14.6	643.00	1699	0	139.38	255.0	113.0	100	125.6
Jun 2022	889	14.9	643.00	1699	0	139.28	255.0	111.5	100	125.5
Jul 2022	812	13.2	642.00	1671	-27	139.39	255.0	102.0	100	125.6
Aug 2022	735	12.0	642.00	1671	0	139.37	255.0	92.3	100	125.6
Sep 2022	699	11.7	640.01	1618	-54	138.45	255.0	87.2	100	124.7
<b>WY 2022</b>	<b>8405</b>							<b>1047.0</b>		
Oct 2022	629	10.2	633.00	1434	-183	134.56	227.0	76.3	89	121.2
Nov 2022	501	8.4	635.00	1486	51	132.82	159.8	59.9	63	119.7
Dec 2022	385	6.3	639.51	1604	118	137.04	154.7	47.6	61	123.5

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

**OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS**

**January 2021 24-Month Study**

Most Probable Inflow\*

**Parker Dam - Lake Havasu**



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
* Jan 2020	311	5.1	446.50	552	-31	80.47	97.7	22.0	81	70.7
H Feb 2020	400	6.9	448.15	583	31	82.44	97.2	28.0	81	70.0
I Mar 2020	455	7.4	446.04	543	-39	78.08	120.0	30.0	100	65.9
S Apr 2020	642	10.8	447.41	569	25	81.56	120.0	44.4	100	69.2
T May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
O Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
R Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
I Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
C 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>		
A Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
L Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
* Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
Jan 2021	314	5.1	446.50	552	1	74.90	97.7	19.9	81	63.5
Feb 2021	402	7.2	446.99	561	9	75.19	97.2	26.1	81	64.9
Mar 2021	634	10.3	446.70	555	-5	74.25	120.0	41.1	100	64.9
Apr 2021	711	12.0	448.70	593	38	75.08	120.0	46.8	100	65.8
May 2021	681	11.1	448.70	593	0	76.05	120.0	45.2	100	66.4
Jun 2021	691	11.6	448.70	593	0	76.05	120.0	45.9	100	66.5
Jul 2021	680	11.1	448.00	580	-13	75.71	120.0	45.0	100	66.2
Aug 2021	598	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.5
Sep 2021	512	8.6	447.50	570	0	74.89	120.0	33.3	100	65.0
<b>WY 2021</b>	<b>6313</b>							<b>418.3</b>		
Oct 2021	482	7.8	447.50	571	0	76.29	90.0	31.9	75	66.0
Nov 2021	341	5.7	447.50	571	0	75.98	96.0	22.0	80	64.6
Dec 2021	230	3.7	446.50	552	-19	74.40	120.0	14.2	100	61.5
Jan 2022	260	4.2	446.50	552	0	75.07	94.8	16.3	79	62.7
Feb 2022	398	7.2	446.50	552	0	75.21	92.1	25.9	77	65.0
Mar 2022	641	10.4	446.70	555	4	74.01	120.0	41.5	100	64.8
Apr 2022	709	11.9	448.70	593	38	75.08	120.0	46.6	100	65.8
May 2022	699	11.4	448.70	593	0	76.05	120.0	46.5	100	66.5
Jun 2022	717	12.1	448.70	593	0	76.05	120.0	47.8	100	66.6
Jul 2022	694	11.3	448.00	580	-13	75.71	120.0	45.9	100	66.2
Aug 2022	619	10.1	447.50	571	-9	75.13	120.0	40.5	100	65.5
Sep 2022	525	8.8	447.50	570	0	74.89	120.0	34.2	100	65.0
<b>WY 2022</b>	<b>6315</b>							<b>413.3</b>		
Oct 2022	467	7.6	447.50	571	0	76.14	92.9	30.8	77	65.8
Nov 2022	338	5.7	447.50	571	0	76.19	92.0	21.9	77	64.8
Dec 2022	238	3.9	446.50	552	-19	74.82	110.3	14.7	92	62.0

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## January 2021 24-Month Study

Most Probable Inflow\*

### Upper Basin Power



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
* Jan 2020	338	51	18	22	11	5
H Feb 2020	296	47	12	14	4	4
I 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>
S Apr 2020	276	44	21	25	16	5
T May 2020	276	37	23	37	19	7
O Jun 2020	290	58	24	28	18	8
R Jul 2020	335	35	27	32	18	9
I Aug 2020	367	43	28	32	19	7
C 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>
A Oct 2020	277	24	18	22	9	0
L Nov 2020	275	20	5	7	3	1
* Dec 2020	304	24	5	7	3	3
Jan 2021	305	21	6	8	4	3
Feb 2021	266	19	5	7	4	3
Mar 2021	279	18	0	9	0	3
<b>Winter 2021</b>	<b>1706</b>	<b>125</b>	<b>39</b>	<b>60</b>	<b>23</b>	<b>13</b>
Apr 2021	247	17	0	18	10	3
May 2021	245	23	2	21	14	4
Jun 2021	260	42	17	24	16	5
Jul 2021	295	25	23	29	15	6
Aug 2021	312	31	24	30	15	5
Sep 2021	232	32	21	26	9	3
<b>Summer 2021</b>	<b>1592</b>	<b>170</b>	<b>86</b>	<b>147</b>	<b>78</b>	<b>25</b>
Oct 2021	185	21	20	25	13	4
Nov 2021	192	18	4	6	4	5
Dec 2021	229	25	4	6	4	5
Jan 2022	274	25	5	6	4	4
Feb 2022	241	22	4	6	3	4
Mar 2022	252	22	5	7	4	4
<b>Winter 2022</b>	<b>1374</b>	<b>133</b>	<b>42</b>	<b>56</b>	<b>32</b>	<b>25</b>
Apr 2022	224	21	11	17	10	4
May 2022	228	29	62	85	23	6
Jun 2022	247	62	16	25	17	7
Jul 2022	284	25	29	34	18	8
Aug 2022	303	35	30	35	18	5
Sep 2022	227	34	28	33	8	3
<b>Summer 2022</b>	<b>1513</b>	<b>206</b>	<b>176</b>	<b>229</b>	<b>94</b>	<b>32</b>
Oct 2022	192	26	27	32	16	5
Nov 2022	200	22	17	21	11	4
Dec 2022	239	27	25	30	15	4

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2021 24-Month Study

Most Probable Inflow\*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming	Blue	Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space		Mead	Mead	Sys	
	Gorge	Mesa	Navajo	Powell	Total			Mead	Gorge	Mesa	Navajo	Allow	Powell	Mead	Total	Required	Sched Rel	FC Rel
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF
<b>**** PREDICTED SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Jan 2021	749	433	617	14192	15990	17055	33046	749	433	617	1798	14192	17055	33046	5350	545	0	27.4
Jan 2021	749	433	617	14192	15990	17055	33046	237	257	301	795	14192	17055	32042	5350	545	0	27.4
Feb 2021	783	433	630	14664	16509	16799	33309	269	259	314	841	14664	16799	32304	1500	596	0	27.2
Mar 2021	808	433	636	15039	16915	16662	33577	291	260	318	870	15039	16662	32571	1500	959	0	26.7
Apr 2021	789	423	629	15368	17210	16851	34060	268	252	305	825	15368	16851	33044	1500	1046	0	26.3
May 2021	752	414	609	15543	17318	17223	34541	224	242	261	727	15543	17223	33493	1500	994	0	26.3
Jun 2021	695	325	524	15373	16917	17577	34495	157	142	137	436	15373	17577	33386	1500	940	0	26.9
Jul 2021	590	202	468	14790	16051	17888	33939	41	4	23	68	14790	17888	32747	1500	838	0	26.5
<b>**** CREDITABLE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Aug 2021	565	197	506	15050	16318	17996	34313	565	197	506	1267	15050	17996	34313	1500	785	0	25.9
Sep 2021	611	226	538	15459	16833	17995	34828	611	226	538	1375	15459	17995	34828	2270	703	0	25.4
Oct 2021	677	264	548	15693	17182	18104	35287	677	264	548	1489	15693	18104	35287	3040	611	0	25.0
Nov 2021	701	302	540	15774	17316	18219	35536	701	302	540	1543	15774	18219	35536	3810	615	0	24.8
Dec 2021	712	288	538	15893	17431	18314	35744	712	288	538	1538	15893	18314	35744	4580	496	0	24.8
Jan 2022	755	276	537	16108	17676	18197	35873	755	276	537	1568	16108	18197	35873	5350	531	0	24.7
<b>**** EFFECTIVE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Jan 2022	755	276	537	16108	17676	18197	35873	484	276	525	1285	16108	18197	35590	5350	531	0	24.7
Feb 2022	791	266	538	16434	18029	17965	35994	518	266	526	1310	16434	17965	35709	1500	532	0	24.7
Mar 2022	817	256	530	16660	18263	17803	36065	541	256	517	1313	16660	17803	35777	1500	922	0	24.5
Apr 2022	791	235	476	16795	18297	17991	36289	510	235	456	1201	16795	17991	35988	1500	951	0	24.5
May 2022	736	195	405	16673	18009	18306	36314	448	195	361	1003	16673	18306	35982	1500	932	0	25.6
Jun 2022	588	230	270	15490	16578	18631	35209	288	216	186	689	15490	18631	34810	1500	929	0	27.1
Jul 2022	426	47	186	14165	14825	18960	33784	111	6	43	159	14165	18960	33284	1500	822	0	27.0
<b>**** CREDITABLE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Aug 2022	335	43	206	14110	14693	19085	33778	335	43	206	583	14110	19085	33778	1500	770	0	26.7
Sep 2022	370	73	256	14325	15024	19104	34128	370	73	256	699	14325	19104	34128	2270	678	0	26.3
Oct 2022	432	118	310	14377	15238	19215	34453	432	118	310	861	14377	19215	34453	3040	471	0	26.1
Nov 2022	462	163	295	14356	15276	19196	34472	462	163	295	920	14356	19196	34472	3810	581	0	26.0
Dec 2022	482	189	292	14388	15351	19258	34609	482	189	292	963	14388	19258	34609	4580	525	0	25.9

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