**April 24-Month Study**
**Date: April 15, 2020**

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

## Current Reservoir Status

| Reservoir | March Inflow (unregulated) (acre-feet) | Percent of Average (%) | April 13, Midnight Elevation (feet) | April 13, Midnight Reservoir Storage (acre-feet) |
|---|---|---|---|---|
| Fontenelle | 53,600 | 114 | 6,475.52 | 143,300 |
| Flaming Gorge | 106,200 | 106 | 6,026.31 | 3,209,000 |
| Blue Mesa | 34,450 | 100 | 7,482.80 | 525,600 |
| Navajo | 34,700 | 56 | 6,055.40 | 1,290,000 |
| Powell | 475,400 | 73 | 3,600.11 | 11,761,000 |

## Expected Operations

The operation of Lake Powell and Lake Mead in this April 2020 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 2020 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2019 24-Month Study projections of the January 1, 2020, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2020.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2020 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2020, the April 2020 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be above 1,075 feet. Therefore, in accordance with Section 6.B.1 of the Interim Guidelines, Lake Powell will continue to release 8.23 maf through the remainder of water year 2020.

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 2020. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will also govern the operation of Lake Mead in calendar year 2020.

The 2020 AOP is available for download at:
https://www.usbr.gov/lc/region/g4000/aop/AOP20.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 April 3, 2020, the Fontenelle Reservoir pool elevation is 6474.14 feet, which amounts to 40 percent of live storage capacity. Inflows for the month of March totaled 54,000 acre-feet (af) or 102 percent of average. Releases remain at 1050 cfs.

The April final forecast for unregulated inflows into Fontenelle for the next three months projects below average conditions. April, May, and June inflow volumes amount to 85,000 af (99 percent of average), 140,000 af (85 percent of average), and 275,000 af (92 percent of average), respectively.

The April water supply forecast of the April through July inflow volume into the Fontenelle Reservoir is 650,000 acre-feet (90 percent of average). Current snowpack is 110 percent of median for the Upper Green Basin.

Reclamation is closely monitoring the ongoing COVID-19 (Coronavirus) situation. Out of an abundance of caution, we are shifting the April 22, 2020 Fontenelle Working Group meeting to a virtual meeting using WebEx and a conference telephone line. We will not host an in-person option for this meeting. We feel that this adjustment is a responsible step to protect the safety and health of everyone who will participate at the meeting. We look forward to our discussions and hope to be able to return to our normal in-person meetings later in the year. 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 Reservoir*** – As of April 6, 2020 Flaming Gorge Reservoir pool elevation is 6026.51 feet, which amounts to 86 percent of live storage capacity. Inflows for the month of March is 117,159 acre-feet (af) or 109 percent of average. The average daily release is 1,950 cfs.

The April final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions. April, May, and June forecasted unregulated inflow volumes amount to 140,000 af (105 percent of average), 210,000 af (86 percent of average), and 360,000 af (92 percent of average), respectively.

The April water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 880,000 acre-feet (90 percent of average). Current snowpack is 111 percent of median for the Upper Green Basin.

Reclamation is closely monitoring the ongoing COVID-19 (Coronavirus) situation. Utah Governor Gary Herbert declared a state of emergency on March 6. The State of Utah and Centers for Disease Control are recommending several precautionary measures to help slow the spread of novel coronavirus, including limiting the size of gatherings. In accordance with those recommendations, and out of an abundance of caution, we are shifting the April 16, 2020 Flaming Gorge Working Group meeting to a virtual meeting using WebEx and a conference telephone line. We will not host an in-person option for this meeting. We feel that this adjustment is a responsible step to protect the safety and health of everyone who will participate at the meeting. We look forward to our discussions and hope to be able to return to our normal in-person meetings later in the year.

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 April 8, 2020 releases from Crystal Dam are approximately 1,450 cfs. Gunnison Tunnel diversions for irrigation season are increasing each week and as of today UVWUA is diverting 950 cfs through the Gunnison Tunnel. The capacity of the Gunnison Tunnel is approximately 1,150 cfs. Flows in the Black Canyon are about 520 cfs. Releases from Crystal will be increased as necessary over the coming weeks to maintain flows in the Black Canyon above 350 cfs as the Gunnison Tunnel diversion rate increases to full capacity.

Blue Mesa is not projected to fill this year based on the most recent (April) inflow forecast. On April 9, 2020, the elevation of Blue Mesa was 7483.03 feet above sea level corresponding to a live storage of 528,000 af (64 percent of capacity). This will be near the low point for the elevation this year. As temperatures in the region increase in the coming weeks, inflows will also increase and the elevation will start to rise. By late July, based on current projections, the elevation of Blue Mesa is projected to reach about 7500 feet above sea level which corresponds to a live storage level of 660,000 af (80 percent of full capacity).

The unregulated inflow volume in March to Blue Mesa was 34,500 af (96 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (April, May and June) are projected to be: 55,000 af (71 percent of average), 160,000 af (72 percent of average) and 230,000 af (88 percent of average), respectively. The April 24-Month Study is reflective of these new forecasts. The April through July forecasted most probable unregulated inflow volume to Blue Mesa is 525,000 af (78 percent of average). The 2020 water year forecasted unregulated inflow volume is 778,000 af (81 percent of average).

The Aspinall Unit Working 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 Working 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 meeting of the Aspinall Unit Working Group was to be held on Thursday, April 23, 2020 at 1:00 pm at the Western Colorado Area Office located at 445 West Gunnison Avenue in Grand Junction, Colorado. However, due to the current pandemic, this meeting has been cancelled.

***Navajo Reservoir*** – On April 6th the daily average release rate from Navajo Dam was approximately 470 cfs while reservoir inflow (modified unregulated) was averaging approximately 618 cfs. The water surface elevation was 6055.33 feet above sea level. At this elevation the live storage is 1.29 maf (76 percent of live storage capacity) and the active storage is 0.6 maf (60 percent of active storage capacity). NIIP is diverting 271 cfs. The river flow measured at the Animas River at Farmington USGS gage was at 211 cfs. River flow at the San Juan River at Four Corners USGS gage was 693 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.

Preliminary modified-unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in March was 35 kaf (40 percent of average for the month).

Forecast modified-unregulated inflow to Navajo over the next three months (April, May, and June) are projected to be: 85 kaf (50 percent of average), 180 kaf (65 percent of average), and 150 kaf (67 percent of average), respectively.

The April through July runoff forecasts are as follows:

Min Probable: 300 kaf (41 percent of average, an increase of 45 kaf since the last forecast)
Most Probable: 440 kaf (60 percent of average, no change since the last forecast)
Max Probable: 645 kaf (88 percent of average, an increase of 5 kaf since the last forecast)

Releases for the fall and winter will be made to target the San Juan River Recovery Implementation Program's recommended baseflow range of 500 cfs to 1000 cfs. Releases will likely range between 300 cfs and 600 cfs throughout the spring. Based on current storage levels at Navajo and the range of runoff forecasts, there is less than a 10 percent chance of a Spring Peak Release (minimum of 21 days as recommended by the San Juan River Recovery Implementation Program) at Navajo Reservoir this spring.

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 Navajo Unit Coordination Meeting was scheduled for Tuesday, April 21, 2020 at 1:00 pm at the Farmington Civic Center (200 West Arrington, Farmington, NM). In response to the recommendations from the CDC, local authorities, and Department of Interior guidance, this meeting has been canceled. A forecast and operational plan summary will be provided to interested parties and posted to Reclamation's website on the date of the previously scheduled meeting.

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

**Current Status**

The unregulated inflow volume to Lake Powell during March was 475 thousand acre-feet (kaf) (71 percent of average). The release volume from Glen Canyon Dam in March was 700 kaf. The end of March elevation and storage of Lake Powell were 3600.71 ft (99 feet from full pool) and 11.82 maf (48 percent of full capacity), respectively.

**Current Operations**

The operating tier for water year 2020 (September 2019 through October 2020) was established in August 2019 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 2020 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2020, the April 2020 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be above 1,075 feet. Therefore, in accordance with Section 6.B.1 of the Interim Guidelines, Lake Powell will continue to release 8.23 maf through the remainder of water year 2020.

In April , the release volume will be approximately 630 kaf, with fluctuations anticipated between about 7,470 cfs in the nighttime to about 12,320 cfs in the daytime, and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for May is 630 kaf with daily fluctuations between approximately 6,990 cfs and 12,660 cfs.

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 1,200 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 2020 unregulated inflow to Lake Powell, issued on April 3, 2020, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 8.42 maf (78 percent of average). There is significant uncertainty regarding this 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 April forecast ranges from a minimum probable of 6.73 maf (62 percent of average) to a maximum probable of 11.24 maf (104 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, the April 24-Month Study projects Lake Powell elevation will end water year 2020 near 3,614.87 feet with approximately 13.23 maf in storage (54 percent of capacity). Note that projections of elevation and storage for water year 2020 have some uncertainty at this point in the season. Projections of end of water year 2020 elevation and storage using the minimum and maximum probable inflow forecast from April 2020 are 3,604.01 feet (12.14 maf, 50 percent of capacity) and 3,636.08 feet (15.55 maf, 64 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 2020 will be 8.23 maf under all scenarios.

**Upper Colorado River Basin Hydrology**

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 20-year period 2000 to 2019, 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 2000-2019 is the lowest 20-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.76 maf, or 81 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 2000-2019 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 2020 unregulated inflow to Lake Powell is projected to be 8.42 maf (78 percent of average).

At the beginning of water year 2020, total system storage in the Colorado River Basin was 31.64 maf (53 percent of 59.6 maf total system capacity). This is an increase of 3.64 maf over the total storage at the beginning of water year 2019 when total system storage was 28 maf (47 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 53 percent of capacity at the beginning of water year 2020. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2020 is approximately 30.97 maf (52 percent of total system capacity). The actual end of water year 2020 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
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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 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| : | dec | jan | feb | mar | %Avg | apr | may | jun | apr-jul | %Avg |
| GLDA3:Lake Powell | 353 | 277 | 288 | 475 | 71%: | 730/ | 1650/ | 2400/ | 5600/: | 78% |
| GBRW4:Fontenelle | 36 | 34 | 32 | 53 | 101%: | 85/ | 140/ | 275/ | 650/: | 90% |
| GRNU1:Flaming Gorge | 38 | 49 | 47 | 106 | 104%: | 140/ | 210/ | 360/ | 880/: | 90% |
| BMDC2:Blue Mesa | 30 | 26 | 23 | 34 | 94%: | 55/ | 160/ | 230/ | 525/: | 78% |
| MPSC2:Morrow Point | 30 | 27 | 23 | 37 | 92%: | 60/ | 180/ | 245/ | 570/: | 77% |
| CLSC2:Crystal | 34 | 31 | 26 | 41 | 88%: | 70/ | 205/ | 275/ | 640/: | 77% |
| TPIC2:Taylor Park | 5.4 | 4.6 | 4.3 | 4.6 | 104%: | 6.0/ | 22.0/ | 35.0/ | 78/: | 79% |
| VCRC2:Vallecito | 3.9 | 4.6 | 3.6 | 5.8 | 67%: | 15/ | 53/ | 63/ | 151/: | 78% |
| NVRN5:Navajo | 16.8 | 16.6 | 16.6 | 35 | 38%: | 85/ | 180/ | 150/ | 440/: | 60% |
| LEMC2:Lemon | 0.59 | 0.51 | 0.43 | 0.84 | 53%: | 3/ | 16/ | 18/ | 41/: | 75% |
| MPHC2:McPhee | 3.0 | 2.4 | 2.3 | 4.8 | 23%: | 32.0/ | 92.0/ | 62.0/ | 200/: | 68% |
| RBSC2:Ridgway | 3.9 | 3.4 | 3.2 | 3.7 | 65%: | 7.0/ | 18.0/ | 32.0/ | 75/: | 74% |
| YDLC2:Deerlodge | 29 | 25 | 23 | 93 | 112%: | 235/ | 525/ | 510/ | 1360/: | 110% |
| DRGC2:Durango | 9.8 | 8.5 | 7.9 | 10.2 | 46%: | 30.0/ | 110.0/ | 120.0/ | 310/: | 75% |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 24-Month Study

Most Probable Inflow*

## Fontenelle Reservoir

| | Date | Regulated Inflow (1000 Ac-Ft) | Evap Losses (1000 Ac-Ft) | Power Release (1000 Ac-Ft) | Bypass Release (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) |
|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 114 | 1 | 71 | 0 | 71 | 6474.10 | 137 |
| H | May 2019 | 167 | 1 | 98 | 0 | 98 | 6486.46 | 204 |
| I | Jun 2019 | 337 | 2 | 107 | 171 | 278 | 6494.89 | 261 |
| S | Jul 2019 | 184 | 3 | 86 | 39 | 125 | 6502.48 | 317 |
| T | Aug 2019 | 57 | 2 | 74 | 0 | 74 | 6499.98 | 298 |
| O | Sep 2019 | 41 | 2 | 19 | 47 | 66 | 6496.36 | 271 |
| | **WY 2019** | **1101** | **15** | **799** | **278** | **1077** | | |
| R | Oct 2019 | 50 | 1 | 61 | 7 | 67 | 6493.83 | 253 |
| I | Nov 2019 | 46 | 1 | 63 | 0 | 63 | 6491.39 | 236 |
| C | Dec 2019 | 36 | 1 | 64 | 0 | 64 | 6487.01 | 208 |
| A | Jan 2020 | 34 | 1 | 64 | 0 | 64 | 6481.89 | 177 |
| L | Feb 2020 | 32 | 1 | 60 | 0 | 60 | 6476.34 | 147 |
| * | Mar 2020 | 54 | 1 | 65 | 0 | 65 | 6473.94 | 136 |
| | Apr 2020 | 85 | 1 | 69 | 0 | 69 | 6477.12 | 152 |
| | May 2020 | 140 | 1 | 82 | 0 | 82 | 6486.97 | 208 |
| | Jun 2020 | 275 | 2 | 104 | 81 | 185 | 6499.64 | 296 |
| | Jul 2020 | 150 | 3 | 103 | 25 | 128 | 6502.22 | 316 |
| | Aug 2020 | 60 | 2 | 73 | 0 | 73 | 6500.28 | 301 |
| | Sep 2020 | 45 | 2 | 20 | 42 | 62 | 6497.69 | 282 |
| | **WY 2020** | **1007** | **15** | **827** | **155** | **982** | | |
| | Oct 2020 | 48 | 1 | 65 | 0 | 65 | 6495.24 | 264 |
| | Nov 2020 | 42 | 1 | 65 | 0 | 65 | 6491.75 | 240 |
| | Dec 2020 | 32 | 1 | 68 | 0 | 68 | 6486.20 | 203 |
| | Jan 2021 | 30 | 1 | 68 | 0 | 68 | 6479.78 | 166 |
| | Feb 2021 | 28 | 0 | 61 | 0 | 61 | 6472.85 | 132 |
| | Mar 2021 | 53 | 0 | 70 | 0 | 70 | 6468.77 | 114 |
| | Apr 2021 | 85 | 1 | 71 | 0 | 71 | 6471.91 | 127 |
| | May 2021 | 164 | 1 | 91 | 0 | 91 | 6485.40 | 198 |
| | Jun 2021 | 299 | 2 | 103 | 96 | 199 | 6499.59 | 296 |
| | Jul 2021 | 178 | 3 | 102 | 40 | 141 | 6503.94 | 329 |
| | Aug 2021 | 77 | 2 | 95 | 2 | 97 | 6500.96 | 306 |
| | Sep 2021 | 46 | 2 | 20 | 51 | 71 | 6497.30 | 279 |
| | **WY 2021** | **1081** | **15** | **879** | **189** | **1069** | | |
| | Oct 2021 | 49 | 1 | 68 | 0 | 68 | 6494.49 | 259 |
| | Nov 2021 | 42 | 1 | 65 | 0 | 65 | 6491.01 | 235 |
| | Dec 2021 | 32 | 1 | 68 | 0 | 68 | 6485.40 | 198 |
| | Jan 2022 | 30 | 1 | 68 | 0 | 68 | 6478.81 | 161 |
| | Feb 2022 | 28 | 0 | 61 | 0 | 61 | 6471.73 | 127 |
| | Mar 2022 | 53 | 0 | 70 | 0 | 70 | 6467.54 | 109 |

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

**Model Run ID: 3117**

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 240 | 198 | 5 | 71 | 0 | 71 | 133 | 6028.79 | 3303 | 341 |
| H | May 2019 | 252 | 183 | 8 | 99 | 0 | 99 | 136 | 6030.71 | 3376 | 568 |
| I | Jun 2019 | 460 | 400 | 11 | 215 | 100 | 315 | 139 | 6032.55 | 3448 | 950 |
| S | Jul 2019 | 227 | 169 | 14 | 100 | 0 | 100 | 141 | 6033.89 | 3502 | 376 |
| T | Aug 2019 | 59 | 76 | 13 | 109 | 0 | 109 | 139 | 6032.79 | 3458 | 151 |
| O | Sep 2019 | 49 | 74 | 11 | 113 | 0 | 113 | 137 | 6031.57 | 3410 | 134 |
| | **WY 2019** | **1553** | **1529** | **82** | **1315** | **100** | **1415** | | | | **3351** |
| R | Oct 2019 | 53 | 70 | 7 | 80 | 0 | 80 | 136 | 6031.13 | 3393 | 109 |
| I | Nov 2019 | 63 | 79 | 4 | 81 | 0 | 81 | 136 | 6030.99 | 3387 | 115 |
| C | Dec 2019 | 39 | 67 | 2 | 128 | 0 | 128 | 134 | 6029.43 | 3327 | 169 |
| A | Jan 2020 | 49 | 80 | 2 | 133 | 0 | 133 | 132 | 6028.03 | 3274 | 168 |
| L | Feb 2020 | 47 | 76 | 2 | 124 | 0 | 124 | 130 | 6026.75 | 3225 | 157 |
| * | Mar 2020 | 106 | 117 | 3 | 119 | 0 | 119 | 130 | 6026.61 | 3220 | 228 |
| | Apr 2020 | 140 | 124 | 5 | 116 | 0 | 116 | 130 | 6026.69 | 3223 | 351 |
| | May 2020 | 210 | 152 | 8 | 61 | 0 | 61 | 133 | 6028.80 | 3303 | 586 |
| | Jun 2020 | 360 | 270 | 11 | 222 | 0 | 222 | 134 | 6029.73 | 3339 | 732 |
| | Jul 2020 | 170 | 148 | 14 | 71 | 0 | 71 | 137 | 6031.30 | 3399 | 161 |
| | Aug 2020 | 70 | 83 | 13 | 86 | 0 | 86 | 136 | 6030.90 | 3384 | 107 |
| | Sep 2020 | 50 | 67 | 11 | 95 | 0 | 95 | 135 | 6029.94 | 3347 | 110 |
| | **WY 2020** | **1357** | **1332** | **82** | **1317** | **0** | **1317** | | | | **2994** |
| | Oct 2020 | 55 | 72 | 7 | 73 | 0 | 73 | 134 | 6029.73 | 3338 | 101 |
| | Nov 2020 | 50 | 73 | 3 | 97 | 0 | 97 | 133 | 6029.03 | 3312 | 127 |
| | Dec 2020 | 35 | 71 | 2 | 148 | 0 | 148 | 130 | 6027.03 | 3236 | 173 |
| | Jan 2021 | 40 | 78 | 2 | 148 | 0 | 148 | 127 | 6025.19 | 3167 | 173 |
| | Feb 2021 | 45 | 78 | 2 | 133 | 0 | 133 | 125 | 6023.69 | 3112 | 161 |
| | Mar 2021 | 102 | 120 | 3 | 58 | 0 | 58 | 127 | 6025.21 | 3168 | 135 |
| | Apr 2021 | 134 | 119 | 5 | 57 | 0 | 57 | 130 | 6026.71 | 3224 | 272 |
| | May 2021 | 245 | 173 | 8 | 81 | 0 | 81 | 133 | 6028.85 | 3305 | 613 |
| | Jun 2021 | 390 | 290 | 11 | 211 | 0 | 211 | 136 | 6030.55 | 3370 | 631 |
| | Jul 2021 | 210 | 174 | 14 | 71 | 0 | 71 | 139 | 6032.75 | 3456 | 171 |
| | Aug 2021 | 89 | 109 | 13 | 86 | 0 | 86 | 139 | 6033.00 | 3466 | 111 |
| | Sep 2021 | 55 | 81 | 12 | 83 | 0 | 83 | 139 | 6032.65 | 3453 | 102 |
| | **WY 2021** | **1449** | **1437** | **81** | **1246** | **0** | **1246** | | | | **2770** |
| | Oct 2021 | 59 | 78 | 8 | 69 | 0 | 69 | 139 | 6032.69 | 3454 | 101 |
| | Nov 2021 | 51 | 74 | 4 | 103 | 0 | 103 | 138 | 6031.90 | 3423 | 135 |
| | Dec 2021 | 35 | 71 | 2 | 154 | 0 | 154 | 134 | 6029.80 | 3341 | 179 |
| | Jan 2022 | 40 | 78 | 2 | 154 | 0 | 154 | 131 | 6027.84 | 3267 | 179 |
| | Feb 2022 | 45 | 78 | 2 | 139 | 0 | 139 | 129 | 6026.23 | 3206 | 167 |
| | Mar 2022 | 102 | 120 | 3 | 111 | 0 | 111 | 129 | 6026.38 | 3212 | 187 |

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

**Model Run ID: 3117**

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|
| * | Apr 2019 | 10 | 7 | 9306.14 | 64 |
| H | May 2019 | 21 | 26 | 9302.64 | 59 |
| I | Jun 2019 | 68 | 38 | 9320.92 | 89 |
| S | Jul 2019 | 47 | 32 | 9328.49 | 103 |
| T | Aug 2019 | 15 | 24 | 9323.77 | 94 |
| O | Sep 2019 | 7 | 20 | 9316.42 | 81 |
| | **WY 2019** | **191** | **168** | | |
| R | Oct 2019 | 7 | 11 | 9314.38 | 77 |
| I | Nov 2019 | 5 | 6 | 9313.69 | 76 |
| C | Dec 2019 | 5 | 6 | 9313.35 | 75 |
| A | Jan 2020 | 5 | 6 | 9312.60 | 74 |
| L | Feb 2020 | 4 | 6 | 9311.82 | 73 |
| * | Mar 2020 | 5 | 6 | 9310.93 | 71 |
| | Apr 2020 | 6 | 6 | 9310.96 | 71 |
| | May 2020 | 22 | 13 | 9316.23 | 80 |
| | Jun 2020 | 35 | 22 | 9323.38 | 93 |
| | Jul 2020 | 15 | 22 | 9319.87 | 87 |
| | Aug 2020 | 8 | 19 | 9313.48 | 76 |
| | Sep 2020 | 6 | 18 | 9306.06 | 64 |
| | **WY 2020** | **123** | **140** | | |
| | Oct 2020 | 6 | 7 | 9305.08 | 62 |
| | Nov 2020 | 5 | 5 | 9304.90 | 62 |
| | Dec 2020 | 5 | 5 | 9304.55 | 62 |
| | Jan 2021 | 4 | 5 | 9303.97 | 61 |
| | Feb 2021 | 4 | 5 | 9303.34 | 60 |
| | Mar 2021 | 4 | 5 | 9302.81 | 59 |
| | Apr 2021 | 9 | 10 | 9301.93 | 58 |
| | May 2021 | 28 | 14 | 9311.38 | 72 |
| | Jun 2021 | 42 | 20 | 9323.70 | 94 |
| | Jul 2021 | 20 | 24 | 9321.91 | 90 |
| | Aug 2021 | 10 | 19 | 9317.10 | 82 |
| | Sep 2021 | 7 | 18 | 9311.08 | 72 |
| | **WY 2021** | **144** | **137** | | |
| | Oct 2021 | 7 | 12 | 9308.02 | 67 |
| | Nov 2021 | 5 | 5 | 9308.06 | 67 |
| | Dec 2021 | 5 | 5 | 9307.72 | 66 |
| | Jan 2022 | 4 | 5 | 9307.17 | 65 |
| | Feb 2022 | 4 | 5 | 9306.57 | 65 |
| | Mar 2022 | 4 | 5 | 9306.07 | 64 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 121 | 118 | 0 | 33 | 0 | 33 | 7453.91 | 335 |
| H | May 2019 | 214 | 218 | 1 | 86 | 18 | 105 | 7471.68 | 447 |
| I | Jun 2019 | 471 | 444 | 1 | 124 | 70 | 194 | 7504.14 | 696 |
| S | Jul 2019 | 282 | 266 | 2 | 87 | 51 | 138 | 7518.61 | 823 |
| T | Aug 2019 | 92 | 100 | 1 | 76 | 62 | 137 | 7514.39 | 784 |
| O | Sep 2019 | 32 | 45 | 1 | 45 | 47 | 93 | 7508.84 | 736 |
| | **WY 2019** | **1344** | **1320** | **7** | **601** | **260** | **859** | | |
| R | Oct 2019 | 28 | 32 | 1 | 63 | 3 | 85 | 7502.51 | 682 |
| I | Nov 2019 | 31 | 32 | 0 | 54 | 0 | 72 | 7497.63 | 642 |
| C | Dec 2019 | 30 | 30 | 0 | 70 | 0 | 85 | 7490.79 | 588 |
| A | Jan 2020 | 26 | 28 | 0 | 44 | 0 | 61 | 7486.45 | 554 |
| L | Feb 2020 | 23 | 25 | 0 | 30 | 0 | 41 | 7484.20 | 537 |
| * | Mar 2020 | 34 | 36 | 0 | 38 | 0 | 38 | 7483.85 | 534 |
| | Apr 2020 | 55 | 55 | 1 | 63 | 0 | 63 | 7482.73 | 526 |
| | May 2020 | 160 | 151 | 1 | 183 | 0 | 183 | 7478.19 | 493 |
| | Jun 2020 | 230 | 217 | 1 | 44 | 0 | 44 | 7500.37 | 664 |
| | Jul 2020 | 80 | 87 | 1 | 82 | 0 | 82 | 7500.71 | 667 |
| | Aug 2020 | 45 | 56 | 1 | 65 | 11 | 76 | 7498.15 | 646 |
| | Sep 2020 | 35 | 47 | 1 | 73 | 0 | 73 | 7494.73 | 619 |
| | **WY 2020** | **778** | **795** | **8** | **811** | **14** | **904** | | |
| | Oct 2020 | 36 | 38 | 1 | 64 | 0 | 64 | 7491.40 | 592 |
| | Nov 2020 | 30 | 31 | 0 | 15 | 0 | 15 | 7493.34 | 608 |
| | Dec 2020 | 26 | 26 | 0 | 42 | 0 | 42 | 7491.30 | 592 |
| | Jan 2021 | 24 | 25 | 0 | 42 | 0 | 42 | 7489.09 | 574 |
| | Feb 2021 | 22 | 23 | 0 | 44 | 0 | 44 | 7486.42 | 554 |
| | Mar 2021 | 36 | 37 | 0 | 0 | 45 | 45 | 7485.28 | 545 |
| | Apr 2021 | 77 | 78 | 1 | 0 | 53 | 53 | 7488.56 | 570 |
| | May 2021 | 221 | 207 | 1 | 6 | 23 | 29 | 7510.12 | 747 |
| | Jun 2021 | 261 | 239 | 1 | 180 | 0 | 180 | 7516.65 | 805 |
| | Jul 2021 | 117 | 120 | 2 | 99 | 0 | 99 | 7518.79 | 824 |
| | Aug 2021 | 63 | 72 | 1 | 108 | 0 | 108 | 7514.65 | 787 |
| | Sep 2021 | 38 | 48 | 1 | 95 | 0 | 95 | 7509.16 | 739 |
| | **WY 2021** | **952** | **945** | **9** | **696** | **120** | **816** | | |
| | Oct 2021 | 38 | 43 | 1 | 83 | 0 | 83 | 7504.42 | 698 |
| | Nov 2021 | 31 | 31 | 0 | 57 | 0 | 57 | 7501.25 | 672 |
| | Dec 2021 | 26 | 26 | 0 | 104 | 0 | 104 | 7491.59 | 594 |
| | Jan 2022 | 24 | 25 | 0 | 57 | 0 | 57 | 7487.47 | 562 |
| | Feb 2022 | 22 | 23 | 0 | 38 | 0 | 38 | 7485.51 | 547 |
| | Mar 2022 | 36 | 37 | 0 | 43 | 0 | 43 | 7484.61 | 540 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 136 | 33 | 15 | 47 | 41 | 0 | 41 | 7155.16 | 113 |
| H | May 2019 | 240 | 105 | 25 | 130 | 127 | 0 | 131 | 7154.68 | 113 |
| I | Jun 2019 | 512 | 194 | 41 | 235 | 186 | 0 | 234 | 7155.10 | 113 |
| S | Jul 2019 | 295 | 138 | 13 | 150 | 151 | 0 | 151 | 7154.18 | 112 |
| T | Aug 2019 | 93 | 137 | 2 | 139 | 137 | 0 | 139 | 7153.99 | 112 |
| O | Sep 2019 | 32 | 93 | 1 | 93 | 60 | 0 | 96 | 7151.09 | 110 |
| | **WY 2019** | **1446** | **859** | **102** | **961** | **858** | **0** | **949** | | |
| R | Oct 2019 | 29 | 85 | 1 | 86 | 78 | 0 | 89 | 7147.86 | 107 |
| I | Nov 2019 | 31 | 72 | 1 | 72 | 71 | 0 | 71 | 7148.85 | 108 |
| C | Dec 2019 | 30 | 85 | 1 | 85 | 85 | 0 | 85 | 7149.10 | 108 |
| A | Jan 2020 | 27 | 61 | 1 | 61 | 63 | 0 | 63 | 7147.47 | 107 |
| L | Feb 2020 | 23 | 41 | 0 | 41 | 41 | 0 | 41 | 7147.88 | 107 |
| * | Mar 2020 | 36 | 38 | 2 | 40 | 42 | 0 | 42 | 7145.65 | 106 |
| | Apr 2020 | 60 | 63 | 5 | 68 | 66 | 0 | 66 | 7147.94 | 107 |
| | May 2020 | 180 | 183 | 20 | 203 | 203 | 0 | 203 | 7147.94 | 107 |
| | Jun 2020 | 245 | 44 | 15 | 59 | 59 | 0 | 59 | 7147.94 | 107 |
| | Jul 2020 | 85 | 82 | 5 | 87 | 87 | 0 | 87 | 7147.94 | 107 |
| | Aug 2020 | 48 | 76 | 3 | 79 | 79 | 0 | 79 | 7147.94 | 107 |
| | Sep 2020 | 37 | 73 | 2 | 75 | 75 | 0 | 75 | 7147.94 | 107 |
| | **WY 2020** | **832** | **904** | **55** | **958** | **949** | **0** | **960** | | |
| | Oct 2020 | 38 | 64 | 2 | 66 | 66 | 0 | 66 | 7147.94 | 107 |
| | Nov 2020 | 32 | 15 | 2 | 17 | 17 | 0 | 17 | 7147.94 | 107 |
| | Dec 2020 | 28 | 42 | 2 | 44 | 44 | 0 | 44 | 7147.94 | 107 |
| | Jan 2021 | 27 | 42 | 2 | 44 | 44 | 0 | 44 | 7147.94 | 107 |
| | Feb 2021 | 25 | 44 | 3 | 46 | 46 | 0 | 46 | 7147.94 | 107 |
| | Mar 2021 | 40 | 45 | 4 | 49 | 49 | 0 | 49 | 7147.94 | 107 |
| | Apr 2021 | 88 | 53 | 11 | 64 | 64 | 0 | 64 | 7147.94 | 107 |
| | May 2021 | 247 | 29 | 26 | 55 | 55 | 0 | 55 | 7147.94 | 107 |
| | Jun 2021 | 281 | 180 | 20 | 200 | 200 | 0 | 200 | 7147.94 | 107 |
| | Jul 2021 | 123 | 99 | 6 | 105 | 105 | 0 | 105 | 7147.94 | 107 |
| | Aug 2021 | 67 | 108 | 3 | 112 | 112 | 0 | 112 | 7147.94 | 107 |
| | Sep 2021 | 41 | 95 | 3 | 98 | 98 | 0 | 98 | 7147.94 | 107 |
| | **WY 2021** | **1037** | **816** | **84** | **900** | **900** | **0** | **900** | | |
| | Oct 2021 | 41 | 83 | 3 | 86 | 86 | 0 | 86 | 7147.94 | 107 |
| | Nov 2021 | 33 | 57 | 2 | 59 | 59 | 0 | 59 | 7147.94 | 107 |
| | Dec 2021 | 28 | 104 | 2 | 106 | 106 | 0 | 106 | 7147.94 | 107 |
| | Jan 2022 | 27 | 57 | 2 | 59 | 59 | 0 | 59 | 7147.94 | 107 |
| | Feb 2022 | 25 | 38 | 3 | 40 | 40 | 0 | 40 | 7147.94 | 107 |
| | Mar 2022 | 40 | 43 | 4 | 47 | 47 | 0 | 47 | 7147.94 | 107 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 24-Month Study

Most Probable Inflow*

## Crystal Reservoir

| | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 150 | 41 | 15 | 55 | 55 | 0 | 55 | 6753.29 | 17 | 26 | 29 |
| H | May 2019 | 264 | 131 | 24 | 155 | 108 | 31 | 153 | 6759.30 | 19 | 47 | 105 |
| I | Jun 2019 | 558 | 234 | 46 | 280 | 115 | 73 | 282 | 6753.12 | 17 | 51 | 231 |
| S | Jul 2019 | 321 | 151 | 26 | 177 | 121 | 57 | 178 | 6746.79 | 15 | 59 | 124 |
| T | Aug 2019 | 98 | 139 | 5 | 144 | 119 | 28 | 147 | 6733.35 | 12 | 64 | 87 |
| O | Sep 2019 | 36 | 96 | 4 | 99 | 94 | 0 | 95 | 6750.61 | 16 | 61 | 33 |
| | **WY 2019** | **1587** | **949** | **142** | **1091** | **768** | **210** | **1087** | | | **344** | **747** |
| R | Oct 2019 | 33 | 89 | 3 | 92 | 92 | 0 | 92 | 6749.75 | 16 | 64 | 29 |
| I | Nov 2019 | 35 | 71 | 4 | 75 | 76 | 0 | 76 | 6746.90 | 15 | 2 | 72 |
| C | Dec 2019 | 34 | 85 | 4 | 89 | 89 | 0 | 89 | 6746.40 | 15 | 0 | 86 |
| A | Jan 2020 | 31 | 63 | 4 | 67 | 58 | 9 | 67 | 6745.61 | 15 | 1 | 64 |
| L | Feb 2020 | 26 | 41 | 3 | 44 | 24 | 19 | 43 | 6748.71 | 16 | 1 | 43 |
| * | Mar 2020 | 42 | 42 | 6 | 47 | 45 | 1 | 46 | 6754.38 | 17 | 11 | 33 |
| | Apr 2020 | 70 | 66 | 10 | 76 | 77 | 0 | 77 | 6749.63 | 16 | 42 | 35 |
| | May 2020 | 205 | 203 | 25 | 228 | 136 | 92 | 228 | 6749.63 | 16 | 62 | 166 |
| | Jun 2020 | 275 | 59 | 30 | 89 | 89 | 0 | 89 | 6749.63 | 16 | 61 | 28 |
| | Jul 2020 | 90 | 87 | 5 | 92 | 92 | 0 | 92 | 6749.63 | 16 | 65 | 27 |
| | Aug 2020 | 55 | 79 | 7 | 86 | 86 | 0 | 86 | 6749.63 | 16 | 65 | 21 |
| | Sep 2020 | 41 | 75 | 4 | 79 | 79 | 0 | 79 | 6749.63 | 16 | 55 | 24 |
| | **WY 2020** | **937** | **960** | **105** | **1066** | **943** | **122** | **1066** | | | **428** | **629** |
| | Oct 2020 | 43 | 66 | 5 | 70 | 70 | 0 | 70 | 6749.63 | 16 | 30 | 40 |
| | Nov 2020 | 37 | 17 | 4 | 21 | 21 | 0 | 21 | 6749.63 | 16 | 0 | 21 |
| | Dec 2020 | 32 | 44 | 5 | 49 | 49 | 0 | 49 | 6749.63 | 16 | 0 | 49 |
| | Jan 2021 | 31 | 44 | 5 | 49 | 49 | 0 | 49 | 6749.63 | 16 | 0 | 49 |
| | Feb 2021 | 29 | 46 | 4 | 50 | 50 | 0 | 50 | 6749.63 | 16 | 0 | 50 |
| | Mar 2021 | 46 | 49 | 6 | 55 | 55 | 0 | 55 | 6749.63 | 16 | 5 | 50 |
| | Apr 2021 | 101 | 64 | 12 | 76 | 76 | 0 | 76 | 6749.63 | 16 | 42 | 34 |
| | May 2021 | 281 | 55 | 34 | 89 | 89 | 0 | 89 | 6749.63 | 16 | 62 | 27 |
| | Jun 2021 | 315 | 200 | 34 | 234 | 132 | 102 | 234 | 6749.63 | 16 | 61 | 173 |
| | Jul 2021 | 138 | 105 | 14 | 120 | 120 | 0 | 120 | 6749.63 | 16 | 65 | 55 |
| | Aug 2021 | 75 | 112 | 8 | 120 | 120 | 0 | 120 | 6749.63 | 16 | 65 | 55 |
| | Sep 2021 | 47 | 98 | 6 | 104 | 52 | 52 | 104 | 6749.63 | 16 | 55 | 49 |
| | **WY 2021** | **1175** | **900** | **138** | **1038** | **884** | **154** | **1038** | | | **385** | **653** |
| | Oct 2021 | 47 | 86 | 6 | 92 | 92 | 0 | 92 | 6749.63 | 16 | 30 | 62 |
| | Nov 2021 | 38 | 59 | 5 | 64 | 64 | 0 | 64 | 6749.63 | 16 | 0 | 64 |
| | Dec 2021 | 32 | 106 | 5 | 111 | 111 | 0 | 111 | 6749.63 | 16 | 0 | 111 |
| | Jan 2022 | 31 | 59 | 5 | 64 | 64 | 0 | 64 | 6749.63 | 16 | 0 | 64 |
| | Feb 2022 | 29 | 40 | 4 | 44 | 44 | 0 | 44 | 6749.63 | 16 | 0 | 44 |
| | Mar 2022 | 46 | 47 | 6 | 53 | 53 | 0 | 53 | 6749.63 | 16 | 5 | 48 |

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

**Model Run ID: 3117**

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|
| * | Apr 2019 | 32 | 25 | 7631.32 | 47 |
| H | May 2019 | 58 | 41 | 7640.08 | 64 |
| I | Jun 2019 | 160 | 101 | 7664.36 | 124 |
| S | Jul 2019 | 69 | 68 | 7664.45 | 124 |
| T | Aug 2019 | 20 | 38 | 7657.21 | 105 |
| O | Sep 2019 | 8 | 33 | 7646.82 | 79 |
| | **WY 2019** | **378** | **316** | | |
| R | Oct 2019 | 4 | 13 | 7643.13 | 71 |
| I | Nov 2019 | 4 | 2 | 7644.14 | 73 |
| C | Dec 2019 | 4 | 2 | 7645.07 | 75 |
| A | Jan 2020 | 5 | 2 | 7646.26 | 78 |
| L | Feb 2020 | 4 | 2 | 7647.01 | 80 |
| * | Mar 2020 | 6 | 2 | 7648.55 | 84 |
| | Apr 2020 | 15 | 2 | 7653.85 | 97 |
| | May 2020 | 53 | 31 | 7662.13 | 118 |
| | Jun 2020 | 63 | 56 | 7664.45 | 124 |
| | Jul 2020 | 20 | 41 | 7656.04 | 102 |
| | Aug 2020 | 15 | 38 | 7646.51 | 79 |
| | Sep 2020 | 14 | 29 | 7639.48 | 63 |
| | **WY 2020** | **206** | **219** | | |
| | Oct 2020 | 14 | 16 | 7638.00 | 60 |
| | Nov 2020 | 8 | 2 | 7640.67 | 66 |
| | Dec 2020 | 6 | 2 | 7642.71 | 70 |
| | Jan 2021 | 5 | 2 | 7644.27 | 74 |
| | Feb 2021 | 5 | 2 | 7645.58 | 77 |
| | Mar 2021 | 9 | 2 | 7648.40 | 83 |
| | Apr 2021 | 23 | 2 | 7657.02 | 105 |
| | May 2021 | 71 | 53 | 7664.04 | 123 |
| | Jun 2021 | 70 | 70 | 7663.86 | 123 |
| | Jul 2021 | 29 | 42 | 7658.89 | 109 |
| | Aug 2021 | 20 | 38 | 7651.55 | 91 |
| | Sep 2021 | 17 | 30 | 7646.29 | 78 |
| | **WY 2021** | **278** | **260** | | |
| | Oct 2021 | 16 | 17 | 7645.52 | 77 |
| | Nov 2021 | 9 | 2 | 7648.19 | 83 |
| | Dec 2021 | 6 | 2 | 7650.04 | 87 |
| | Jan 2022 | 5 | 2 | 7651.48 | 91 |
| | Feb 2022 | 5 | 2 | 7652.69 | 94 |
| | Mar 2022 | 9 | 2 | 7655.32 | 100 |

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

**Model Run ID: 3117**

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 24-Month Study

Most Probable Inflow*

## Navajo Reservoir

BUREAU OF RECLAMATION

| | Date | Mod Unreg Inflow (1000 Ac-Ft) | Azotea Tunnel Div (1000 Ac-Ft) | Reg Inflow (1000 Ac-Ft) | Evap Losses (1000 Ac-Ft) | NIIP Diversion (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) | Farmington Flow (1000 Ac-Ft) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 230 | 24 | 203 | 2 | 20 | 20 | 6040.36 | 1117 | 102 |
| H | May 2019 | 270 | 34 | 215 | 3 | 25 | 25 | 6054.45 | 1279 | 139 |
| I | Jun 2019 | 491 | 57 | 376 | 4 | 36 | 114 | 6071.44 | 1501 | 386 |
| S | Jul 2019 | 171 | 26 | 142 | 5 | 47 | 60 | 6073.56 | 1531 | 228 |
| T | Aug 2019 | 40 | 6 | 52 | 4 | 42 | 78 | 6068.40 | 1459 | 104 |
| O | Sep 2019 | 3 | 0 | 29 | 3 | 29 | 67 | 6063.13 | 1388 | 71 |
| | **WY 2019** | **1401** | **150** | **1188** | **26** | **211** | **483** | | | **1264** |
| R | Oct 2019 | 6 | 0 | 15 | 2 | 6 | 33 | 6061.08 | 1362 | 46 |
| I | Nov 2019 | 15 | 0 | 13 | 1 | 0 | 25 | 6060.04 | 1348 | 45 |
| C | Dec 2019 | 17 | 0 | 15 | 1 | 1 | 36 | 6058.25 | 1326 | 62 |
| A | Jan 2020 | 17 | 0 | 14 | 1 | 1 | 31 | 6056.81 | 1308 | 49 |
| L | Feb 2020 | 17 | 0 | 15 | 1 | 3 | 24 | 6055.76 | 1295 | 38 |
| * | Mar 2020 | 35 | 2 | 29 | 2 | 5 | 25 | 6055.57 | 1292 | 36 |
| | Apr 2020 | 85 | 8 | 64 | 2 | 21 | 22 | 6057.02 | 1310 | 52 |
| | May 2020 | 180 | 22 | 136 | 4 | 36 | 25 | 6062.67 | 1382 | 135 |
| | Jun 2020 | 150 | 18 | 126 | 4 | 53 | 30 | 6065.59 | 1421 | 150 |
| | Jul 2020 | 25 | 1 | 45 | 5 | 57 | 31 | 6062.03 | 1374 | 81 |
| | Aug 2020 | 28 | 1 | 49 | 4 | 48 | 31 | 6059.48 | 1341 | 61 |
| | Sep 2020 | 28 | 1 | 42 | 3 | 26 | 22 | 6058.82 | 1333 | 46 |
| | **WY 2020** | **601** | **52** | **563** | **27** | **256** | **334** | | | **802** |
| | Oct 2020 | 36 | 2 | 37 | 2 | 9 | 22 | 6059.15 | 1337 | 45 |
| | Nov 2020 | 30 | 0 | 24 | 1 | 0 | 26 | 6058.84 | 1333 | 43 |
| | Dec 2020 | 25 | 0 | 21 | 1 | 0 | 22 | 6058.69 | 1331 | 37 |
| | Jan 2021 | 22 | 0 | 18 | 1 | 0 | 22 | 6058.39 | 1327 | 35 |
| | Feb 2021 | 30 | 0 | 27 | 1 | 0 | 21 | 6058.81 | 1333 | 33 |
| | Mar 2021 | 92 | 9 | 77 | 2 | 6 | 30 | 6061.88 | 1372 | 53 |
| | Apr 2021 | 170 | 21 | 128 | 3 | 22 | 30 | 6067.49 | 1446 | 82 |
| | May 2021 | 277 | 37 | 221 | 4 | 37 | 178 | 6067.73 | 1449 | 324 |
| | Jun 2021 | 224 | 29 | 195 | 4 | 53 | 272 | 6057.35 | 1315 | 424 |
| | Jul 2021 | 66 | 5 | 74 | 4 | 57 | 43 | 6054.85 | 1284 | 110 |
| | Aug 2021 | 45 | 2 | 61 | 3 | 48 | 31 | 6053.11 | 1263 | 69 |
| | Sep 2021 | 43 | 2 | 54 | 3 | 26 | 30 | 6052.70 | 1258 | 62 |
| | **WY 2021** | **1060** | **106** | **936** | **27** | **258** | **726** | | | **1318** |
| | Oct 2021 | 47 | 2 | 46 | 2 | 9 | 31 | 6053.11 | 1263 | 59 |
| | Nov 2021 | 34 | 0 | 27 | 1 | 0 | 30 | 6052.81 | 1259 | 48 |
| | Dec 2021 | 25 | 0 | 21 | 1 | 0 | 31 | 6051.91 | 1248 | 46 |
| | Jan 2022 | 22 | 0 | 18 | 1 | 0 | 31 | 6050.82 | 1235 | 44 |
| | Feb 2022 | 30 | 0 | 27 | 1 | 0 | 28 | 6050.68 | 1234 | 40 |
| | Mar 2022 | 92 | 9 | 77 | 2 | 6 | 31 | 6053.94 | 1273 | 53 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 1242 | 899 | 18 | 720 | 0 | 720 | 3571.12 | 4790 | 9198 | 734 |
| H | May 2019 | 2511 | 1980 | 23 | 720 | 0 | 720 | 3584.65 | 4881 | 10343 | 752 |
| I | Jun 2019 | 4206 | 3583 | 41 | 765 | 0 | 765 | 3611.82 | 5087 | 12914 | 807 |
| S | Jul 2019 | 2451 | 2015 | 57 | 857 | 0 | 857 | 3621.60 | 5168 | 13933 | 896 |
| T | Aug 2019 | 472 | 608 | 58 | 900 | 0 | 900 | 3618.55 | 5143 | 13610 | 932 |
| O | Sep 2019 | 143 | 379 | 52 | 687 | 0 | 687 | 3615.36 | 5116 | 13277 | 703 |
| | **WY 2019** | **12951** | **11787** | **356** | **8924** | **77** | **9001** | | | | **9242** |
| R | Oct 2019 | 265 | 397 | 35 | 625 | 0 | 625 | 3612.99 | 5096 | 13034 | 633 |
| I | Nov 2019 | 404 | 466 | 34 | 626 | 0 | 626 | 3611.23 | 5082 | 12855 | 630 |
| C | Dec 2019 | 353 | 506 | 27 | 750 | 0 | 750 | 3608.74 | 5062 | 12604 | 756 |
| A | Jan 2020 | 277 | 419 | 8 | 760 | 0 | 760 | 3605.48 | 5036 | 12281 | 768 |
| L | Feb 2020 | 288 | 393 | 9 | 675 | 0 | 675 | 3602.72 | 5015 | 12011 | 687 |
| * | Mar 2020 | 475 | 505 | 15 | 700 | 0 | 700 | 3600.71 | 4999 | 11818 | 713 |
| | Apr 2020 | 730 | 680 | 23 | 630 | 0 | 630 | 3600.97 | 5001 | 11843 | 646 |
| | May 2020 | 1650 | 1428 | 28 | 630 | 0 | 630 | 3608.26 | 5058 | 12556 | 646 |
| | Jun 2020 | 2400 | 2027 | 46 | 650 | 0 | 650 | 3620.23 | 5157 | 13788 | 667 |
| | Jul 2020 | 820 | 787 | 58 | 750 | 0 | 750 | 3620.05 | 5155 | 13768 | 774 |
| | Aug 2020 | 400 | 499 | 57 | 835 | 0 | 835 | 3616.58 | 5126 | 13404 | 855 |
| | Sep 2020 | 355 | 459 | 52 | 599 | 0 | 599 | 3614.87 | 5112 | 13227 | 612 |
| | **WY 2020** | **8417** | **8566** | **390** | **8230** | **0** | **8230** | | | | **8387** |
| | Oct 2020 | 468 | 510 | 35 | 640 | 0 | 640 | 3613.38 | 5100 | 13074 | 649 |
| | Nov 2020 | 452 | 482 | 34 | 640 | 0 | 640 | 3611.64 | 5085 | 12896 | 642 |
| | Dec 2020 | 363 | 488 | 27 | 720 | 0 | 720 | 3609.27 | 5066 | 12657 | 725 |
| | Jan 2021 | 361 | 486 | 8 | 860 | 0 | 860 | 3605.71 | 5038 | 12303 | 871 |
| | Feb 2021 | 393 | 494 | 9 | 750 | 0 | 750 | 3603.20 | 5018 | 12058 | 760 |
| | Mar 2021 | 665 | 583 | 15 | 800 | 0 | 800 | 3600.97 | 5001 | 11843 | 814 |
| | Apr 2021 | 1056 | 856 | 23 | 710 | 0 | 710 | 3602.15 | 5010 | 11957 | 726 |
| | May 2021 | 2343 | 1961 | 29 | 710 | 0 | 710 | 3613.52 | 5101 | 13088 | 726 |
| | Jun 2021 | 2666 | 2537 | 48 | 750 | 0 | 750 | 3628.61 | 5230 | 14698 | 767 |
| | Jul 2021 | 1091 | 973 | 61 | 850 | 0 | 850 | 3629.12 | 5234 | 14755 | 874 |
| | Aug 2021 | 500 | 578 | 61 | 900 | 0 | 900 | 3625.92 | 5206 | 14401 | 920 |
| | Sep 2021 | 408 | 508 | 55 | 670 | 0 | 670 | 3624.07 | 5190 | 14200 | 684 |
| | **WY 2021** | **10766** | **10455** | **405** | **9000** | **0** | **9000** | | | | **9158** |
| | Oct 2021 | 512 | 562 | 38 | 640 | 0 | 640 | 3623.08 | 5181 | 14093 | 649 |
| | Nov 2021 | 473 | 547 | 36 | 640 | 0 | 640 | 3621.97 | 5172 | 13973 | 642 |
| | Dec 2021 | 363 | 565 | 29 | 720 | 0 | 720 | 3620.38 | 5158 | 13804 | 725 |
| | Jan 2022 | 361 | 516 | 9 | 860 | 0 | 860 | 3617.28 | 5132 | 13477 | 871 |
| | Feb 2022 | 393 | 501 | 9 | 750 | 0 | 750 | 3614.97 | 5113 | 13237 | 760 |
| | Mar 2022 | 665 | 634 | 16 | 800 | 0 | 800 | 3613.33 | 5099 | 13069 | 814 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 720 | 118 | 39 | 902 | 15.2 | 15 | 900 | 700 | 1088.95 | 10767 |
| H | May 2019 | 720 | 108 | 45 | 989 | 16.1 | 18 | 988 | 686 | 1086.48 | 10555 |
| I | Jun 2019 | 765 | 69 | 54 | 912 | 15.3 | 27 | 911 | 676 | 1084.71 | 10405 |
| S | Jul 2019 | 857 | 20 | 67 | 946 | 15.4 | 33 | 946 | 666 | 1082.82 | 10246 |
| T | Aug 2019 | 900 | 64 | 71 | 802 | 13.0 | 34 | 801 | 669 | 1083.45 | 10299 |
| O | Sep 2019 | 687 | 58 | 59 | 696 | 11.7 | 30 | 690 | 667 | 1083.00 | 10261 |
| | **WY 2019** | **9001** | **1087** | **547** | **8892** | | **234** | **8868** | | | |
| R | Oct 2019 | 625 | 34 | 43 | 626 | 10.2 | 25 | 621 | 665 | 1082.61 | 10228 |
| I | Nov 2019 | 626 | 116 | 40 | 575 | 9.7 | 13 | 553 | 672 | 1083.85 | 10333 |
| C | Dec 2019 | 750 | 118 | 37 | 220 | 3.6 | 7 | 214 | 708 | 1090.49 | 10899 |
| A | Jan 2020 | 760 | 75 | 31 | 405 | 6.6 | 9 | 404 | 732 | 1094.68 | 11265 |
| L | Feb 2020 | 675 | 67 | 29 | 557 | 9.7 | 8 | 550 | 741 | 1096.27 | 11405 |
| * | Mar 2020 | 700 | 150 | 33 | 593 | 9.6 | 6 | 568 | 755 | 1098.59 | 11610 |
| | Apr 2020 | 630 | 69 | 41 | 889 | 14.9 | 22 | 889 | 739 | 1095.91 | 11373 |
| | May 2020 | 630 | 49 | 46 | 1020 | 16.6 | 30 | 1020 | 714 | 1091.43 | 10981 |
| | Jun 2020 | 650 | 28 | 55 | 968 | 16.3 | 30 | 968 | 691 | 1087.36 | 10630 |
| | Jul 2020 | 750 | 73 | 68 | 865 | 14.1 | 30 | 865 | 682 | 1085.81 | 10498 |
| | Aug 2020 | 835 | 91 | 72 | 814 | 13.2 | 31 | 814 | 683 | 1085.91 | 10506 |
| | Sep 2020 | 599 | 75 | 59 | 744 | 12.5 | 26 | 744 | 673 | 1084.17 | 10359 |
| | **WY 2020** | **8230** | **944** | **554** | **8276** | | **236** | **8211** | | | |
| | Oct 2020 | 640 | 75 | 43 | 584 | 9.5 | 25 | 584 | 677 | 1084.87 | 10418 |
| | Nov 2020 | 640 | 68 | 43 | 780 | 13.1 | 17 | 780 | 669 | 1083.40 | 10294 |
| | Dec 2020 | 720 | 64 | 37 | 619 | 10.1 | 12 | 619 | 676 | 1084.69 | 10404 |
| | Jan 2021 | 860 | 95 | 31 | 533 | 8.7 | 9 | 533 | 700 | 1088.91 | 10763 |
| | Feb 2021 | 750 | 101 | 28 | 532 | 9.6 | 9 | 532 | 717 | 1091.97 | 11028 |
| | Mar 2021 | 800 | 91 | 32 | 982 | 16.0 | 14 | 982 | 708 | 1090.49 | 10899 |
| | Apr 2021 | 710 | 69 | 39 | 1045 | 17.6 | 21 | 1045 | 689 | 1086.92 | 10593 |
| | May 2021 | 710 | 49 | 45 | 1008 | 16.4 | 29 | 1008 | 669 | 1083.34 | 10289 |
| | Jun 2021 | 750 | 28 | 53 | 962 | 16.2 | 29 | 962 | 653 | 1080.35 | 10040 |
| | Jul 2021 | 850 | 73 | 66 | 842 | 13.7 | 29 | 842 | 652 | 1080.18 | 10026 |
| | Aug 2021 | 900 | 91 | 71 | 800 | 13.0 | 30 | 800 | 657 | 1081.19 | 10110 |
| | Sep 2021 | 670 | 75 | 58 | 728 | 12.2 | 25 | 728 | 653 | 1080.44 | 10047 |
| | **WY 2021** | **9000** | **878** | **547** | **9416** | | **248** | **9416** | | | |
| | Oct 2021 | 640 | 75 | 42 | 536 | 8.7 | 24 | 536 | 660 | 1081.70 | 10153 |
| | Nov 2021 | 640 | 68 | 43 | 654 | 11.0 | 16 | 654 | 660 | 1081.65 | 10148 |
| | Dec 2021 | 720 | 64 | 37 | 491 | 8.0 | 11 | 491 | 675 | 1084.39 | 10378 |
| | Jan 2022 | 860 | 95 | 31 | 519 | 8.4 | 9 | 519 | 699 | 1088.76 | 10750 |
| | Feb 2022 | 750 | 101 | 28 | 518 | 9.3 | 9 | 518 | 717 | 1091.96 | 11027 |
| | Mar 2022 | 800 | 91 | 32 | 968 | 15.7 | 14 | 968 | 709 | 1090.63 | 10911 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 902 | 0 | 17 | 886 | 0 | 886 | 14.9 | 642.52 | 1686 |
| H | May 2019 | 989 | -9 | 22 | 937 | 0 | 937 | 15.2 | 643.32 | 1707 |
| I | Jun 2019 | 912 | -12 | 25 | 886 | 0 | 886 | 14.9 | 642.89 | 1696 |
| S | Jul 2019 | 946 | -11 | 25 | 895 | 0 | 894 | 14.5 | 643.48 | 1712 |
| T | Aug 2019 | 802 | -11 | 23 | 800 | 0 | 800 | 13.0 | 642.31 | 1680 |
| O | Sep 2019 | 696 | -17 | 18 | 767 | 0 | 767 | 12.9 | 638.35 | 1573 |
| | **WY 2019** | **8892** | **-142** | **198** | **8538** | **0** | **8539** | | | |
| R | Oct 2019 | 626 | -24 | 15 | 589 | 0 | 589 | 9.6 | 638.28 | 1572 |
| I | Nov 2019 | 575 | -4 | 11 | 457 | 0 | 457 | 7.7 | 642.13 | 1675 |
| C | Dec 2019 | 220 | 0 | 9 | 247 | 0 | 247 | 4.0 | 640.77 | 1638 |
| A | Jan 2020 | 405 | 0 | 10 | 380 | 0 | 380 | 6.2 | 641.32 | 1653 |
| L | Feb 2020 | 557 | -2 | 10 | 523 | 0 | 523 | 9.1 | 642.10 | 1674 |
| * | Mar 2020 | 593 | 3 | 13 | 549 | 0 | 549 | 8.9 | 643.32 | 1708 |
| | Apr 2020 | 889 | -12 | 17 | 868 | 0 | 868 | 14.6 | 643.00 | 1699 |
| | May 2020 | 1020 | -10 | 22 | 988 | 0 | 988 | 16.1 | 643.00 | 1699 |
| | Jun 2020 | 968 | -15 | 25 | 927 | 0 | 927 | 15.6 | 643.00 | 1699 |
| | Jul 2020 | 865 | -12 | 25 | 855 | 0 | 855 | 13.9 | 642.00 | 1671 |
| | Aug 2020 | 814 | -12 | 23 | 779 | 0 | 779 | 12.7 | 642.00 | 1671 |
| | Sep 2020 | 744 | -15 | 18 | 765 | 0 | 765 | 12.9 | 640.01 | 1618 |
| | **WY 2020** | **8276** | **-103** | **198** | **7930** | **0** | **7930** | | | |
| | Oct 2020 | 584 | -10 | 15 | 742 | 0 | 742 | 12.1 | 633.00 | 1434 |
| | Nov 2020 | 780 | -19 | 10 | 700 | 0 | 700 | 11.8 | 635.00 | 1486 |
| | Dec 2020 | 619 | -12 | 9 | 479 | 0 | 479 | 7.8 | 639.51 | 1604 |
| | Jan 2021 | 533 | -21 | 10 | 440 | 0 | 440 | 7.2 | 641.80 | 1666 |
| | Feb 2021 | 532 | -10 | 10 | 512 | 0 | 512 | 9.2 | 641.80 | 1666 |
| | Mar 2021 | 982 | -12 | 13 | 923 | 0 | 923 | 15.0 | 643.05 | 1700 |
| | Apr 2021 | 1045 | -12 | 17 | 1017 | 0 | 1017 | 17.1 | 643.00 | 1699 |
| | May 2021 | 1008 | -10 | 22 | 976 | 0 | 976 | 15.9 | 643.00 | 1699 |
| | Jun 2021 | 962 | -15 | 25 | 922 | 0 | 922 | 15.5 | 643.00 | 1699 |
| | Jul 2021 | 842 | -12 | 25 | 832 | 0 | 832 | 13.5 | 642.00 | 1671 |
| | Aug 2021 | 800 | -12 | 23 | 766 | 0 | 766 | 12.4 | 642.00 | 1671 |
| | Sep 2021 | 728 | -15 | 18 | 749 | 0 | 749 | 12.6 | 640.01 | 1618 |
| | **WY 2021** | **9416** | **-159** | **197** | **9059** | **0** | **9059** | | | |
| | Oct 2021 | 536 | -10 | 15 | 694 | 0 | 694 | 11.3 | 633.00 | 1434 |
| | Nov 2021 | 654 | -19 | 10 | 574 | 0 | 574 | 9.6 | 635.00 | 1486 |
| | Dec 2021 | 491 | -12 | 9 | 352 | 0 | 352 | 5.7 | 639.51 | 1604 |
| | Jan 2022 | 519 | -21 | 10 | 427 | 0 | 427 | 6.9 | 641.80 | 1666 |
| | Feb 2022 | 518 | -10 | 10 | 498 | 0 | 498 | 9.0 | 641.80 | 1666 |
| | Mar 2022 | 968 | -12 | 13 | 909 | 0 | 909 | 14.8 | 643.05 | 1700 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 886 | 6 | 11 | 712 | 12.0 | 28 | 144 | 447.29 | 567 | 170 | 2.9 |
| H | May 2019 | 937 | 8 | 13 | 693 | 11.3 | 51 | 154 | 448.62 | 592 | 128 | 2.1 |
| I | Jun 2019 | 886 | 11 | 15 | 717 | 12.0 | 53 | 104 | 448.47 | 589 | 138 | 2.3 |
| S | Jul 2019 | 894 | 15 | 17 | 739 | 12.0 | 59 | 92 | 448.12 | 582 | 146 | 2.4 |
| T | Aug 2019 | 800 | 15 | 17 | 636 | 10.3 | 67 | 102 | 447.22 | 565 | 111 | 1.8 |
| O | Sep 2019 | 767 | 26 | 15 | 514 | 8.6 | 61 | 160 | 449.03 | 600 | 103 | 1.7 |
| | **WY 2019** | **8539** | **173** | **140** | **6231** | | **690** | **1571** | | | **1515** | |
| R | Oct 2019 | 589 | 18 | 12 | 430 | 7.0 | 30 | 151 | 447.77 | 576 | 68 | 1.1 |
| I | Nov 2019 | 457 | 22 | 9 | 300 | 5.0 | 16 | 125 | 449.10 | 601 | 118 | 2.0 |
| C | Dec 2019 | 247 | 18 | 7 | 159 | 2.6 | 46 | 72 | 448.16 | 583 | 109 | 1.8 |
| A | Jan 2020 | 380 | 1 | 6 | 311 | 5.1 | 17 | 75 | 446.50 | 552 | 106 | 1.7 |
| L | Feb 2020 | 523 | -3 | 8 | 400 | 6.9 | 3 | 75 | 448.15 | 583 | 138 | 2.4 |
| * | Mar 2020 | 549 | 16 | 9 | 455 | 7.4 | 43 | 94 | 446.04 | 543 | 198 | 3.2 |
| | Apr 2020 | 868 | 8 | 11 | 607 | 10.2 | 53 | 159 | 448.00 | 580 | 152 | 2.5 |
| | May 2020 | 988 | 15 | 13 | 696 | 11.3 | 99 | 174 | 448.50 | 589 | 124 | 2.0 |
| | Jun 2020 | 927 | 11 | 16 | 713 | 12.0 | 96 | 97 | 448.70 | 593 | 139 | 2.3 |
| | Jul 2020 | 855 | 18 | 17 | 706 | 11.5 | 99 | 52 | 448.00 | 580 | 151 | 2.5 |
| | Aug 2020 | 779 | 17 | 17 | 626 | 10.2 | 99 | 52 | 447.50 | 571 | 114 | 1.9 |
| | Sep 2020 | 765 | 17 | 15 | 530 | 8.9 | 96 | 131 | 447.50 | 570 | 110 | 1.9 |
| | **WY 2020** | **7930** | **158** | **140** | **5933** | | **697** | **1257** | | | **1525** | |
| | Oct 2020 | 742 | 24 | 12 | 459 | 7.5 | 99 | 190 | 447.50 | 571 | 69 | 1.1 |
| | Nov 2020 | 700 | 16 | 9 | 414 | 7.0 | 97 | 192 | 447.50 | 571 | 88 | 1.5 |
| | Dec 2020 | 479 | 22 | 7 | 284 | 4.6 | 100 | 126 | 446.50 | 552 | 93 | 1.5 |
| | Jan 2021 | 440 | 20 | 6 | 255 | 4.1 | 104 | 91 | 446.50 | 552 | 102 | 1.7 |
| | Feb 2021 | 512 | 10 | 8 | 392 | 7.1 | 31 | 84 | 446.50 | 552 | 127 | 2.3 |
| | Mar 2021 | 923 | 5 | 9 | 637 | 10.4 | 100 | 170 | 446.70 | 555 | 167 | 2.7 |
| | Apr 2021 | 1017 | 8 | 11 | 706 | 11.9 | 97 | 163 | 448.70 | 593 | 152 | 2.6 |
| | May 2021 | 976 | 15 | 13 | 705 | 11.5 | 88 | 172 | 448.70 | 593 | 127 | 2.1 |
| | Jun 2021 | 922 | 11 | 16 | 718 | 12.1 | 86 | 100 | 448.70 | 593 | 141 | 2.4 |
| | Jul 2021 | 832 | 18 | 17 | 693 | 11.3 | 89 | 52 | 448.00 | 580 | 152 | 2.5 |
| | Aug 2021 | 766 | 17 | 17 | 623 | 10.1 | 89 | 52 | 447.50 | 571 | 117 | 1.9 |
| | Sep 2021 | 749 | 17 | 15 | 530 | 8.9 | 70 | 140 | 447.50 | 570 | 113 | 1.9 |
| | **WY 2021** | **9059** | **183** | **139** | **6417** | | **1049** | **1531** | | | **1450** | |
| | Oct 2021 | 694 | 24 | 12 | 470 | 7.6 | 57 | 173 | 447.50 | 571 | 73 | 1.2 |
| | Nov 2021 | 574 | 16 | 9 | 355 | 6.0 | 55 | 166 | 447.50 | 571 | 91 | 1.5 |
| | Dec 2021 | 352 | 22 | 7 | 236 | 3.8 | 56 | 88 | 446.50 | 552 | 96 | 1.6 |
| | Jan 2022 | 427 | 20 | 6 | 255 | 4.1 | 90 | 91 | 446.50 | 552 | 102 | 1.7 |
| | Feb 2022 | 498 | 10 | 8 | 393 | 7.1 | 17 | 84 | 446.50 | 552 | 127 | 2.3 |
| | Mar 2022 | 909 | 5 | 9 | 637 | 10.4 | 85 | 170 | 446.70 | 555 | 167 | 2.7 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 902 | 15.2 | 1088.95 | 10767 | -111 | 439.99 | 810.1 | 365.4 | 51 | 405.2 |
| H | May 2019 | 989 | 16.1 | 1086.48 | 10555 | -211 | 440.79 | 803.9 | 398.2 | 51 | 402.5 |
| I | Jun 2019 | 912 | 15.3 | 1084.71 | 10405 | -150 | 439.38 | 1591.0 | 359.0 | 100 | 393.7 |
| S | Jul 2019 | 946 | 15.4 | 1082.82 | 10246 | -159 | 435.56 | 1486.0 | 371.7 | 93 | 392.7 |
| T | Aug 2019 | 802 | 13.0 | 1083.45 | 10299 | 53 | 439.02 | 1297.0 | 313.5 | 81 | 390.9 |
| O | Sep 2019 | 696 | 11.7 | 1083.00 | 10261 | -38 | 439.88 | 1494.1 | 267.4 | 93 | 384.4 |
| | **WY 2019** | **8877** | | | | | | | **3494.1** | | |
| R | Oct 2019 | 626 | 10.2 | 1082.61 | 10228 | -33 | 439.17 | 1198.0 | 241.9 | 74 | 386.2 |
| I | Nov 2019 | 575 | 9.7 | 1083.85 | 10333 | 104 | 438.74 | 1192.0 | 221.9 | 75 | 386.0 |
| C | Dec 2019 | 220 | 3.6 | 1090.49 | 10899 | 567 | 448.42 | 838.0 | 81.6 | 52 | 371.4 |
| A | Jan 2020 | 405 | 6.6 | 1094.68 | 11265 | 366 | 451.06 | 1152.1 | 160.0 | 70 | 395.1 |
| L | Feb 2020 | 557 | 9.7 | 1096.27 | 11405 | 140 | 452.31 | 962.0 | 224.2 | 57 | 402.6 |
| * | Mar 2020 | 593 | 9.6 | 1098.59 | 11610 | 205 | 450.96 | 1136.0 | 237.0 | 69 | 399.6 |
| | Apr 2020 | 889 | 14.9 | 1095.91 | 11373 | -237 | 446.84 | 1138.0 | 363.8 | 69 | 409.4 |
| | May 2020 | 1020 | 16.6 | 1091.43 | 10981 | -392 | 443.38 | 1118.0 | 414.7 | 69 | 406.5 |
| | Jun 2020 | 968 | 16.3 | 1087.36 | 10630 | -351 | 436.49 | 1493.9 | 378.6 | 94 | 391.3 |
| | Jul 2020 | 865 | 14.1 | 1085.81 | 10498 | -132 | 434.03 | 1480.0 | 344.0 | 94 | 397.5 |
| | Aug 2020 | 814 | 13.2 | 1085.91 | 10506 | 8 | 432.98 | 1576.0 | 320.1 | 100 | 393.4 |
| | Sep 2020 | 744 | 12.5 | 1084.17 | 10359 | -147 | 432.81 | 1576.0 | 291.0 | 100 | 390.9 |
| | **WY 2020** | **8276** | | | | | | | **3279.0** | | |
| | Oct 2020 | 584 | 9.5 | 1084.87 | 10418 | 59 | 437.33 | 1174.0 | 228.5 | 74 | 391.3 |
| | Nov 2020 | 780 | 13.1 | 1083.40 | 10294 | -124 | 437.90 | 1369.1 | 311.4 | 87 | 399.0 |
| | Dec 2020 | 619 | 10.1 | 1084.69 | 10404 | 109 | 435.69 | 1389.0 | 242.1 | 87 | 391.0 |
| | Jan 2021 | 533 | 8.7 | 1088.91 | 10763 | 359 | 436.89 | 1314.1 | 205.3 | 80 | 385.3 |
| | Feb 2021 | 532 | 9.6 | 1091.97 | 11028 | 265 | 441.18 | 1111.0 | 210.8 | 67 | 396.1 |
| | Mar 2021 | 982 | 16.0 | 1090.49 | 10899 | -128 | 440.93 | 1197.9 | 399.1 | 73 | 406.4 |
| | Apr 2021 | 1045 | 17.6 | 1086.92 | 10593 | -306 | 438.01 | 1180.0 | 421.6 | 73 | 403.4 |
| | May 2021 | 1008 | 16.4 | 1083.34 | 10289 | -303 | 432.92 | 1395.0 | 393.5 | 88 | 390.2 |
| | Jun 2021 | 962 | 16.2 | 1080.35 | 10040 | -250 | 428.35 | 1576.0 | 368.1 | 100 | 382.6 |
| | Jul 2021 | 842 | 13.7 | 1080.18 | 10026 | -14 | 427.11 | 1576.0 | 328.1 | 100 | 389.6 |
| | Aug 2021 | 800 | 13.0 | 1081.19 | 10110 | 84 | 427.85 | 1576.0 | 310.8 | 100 | 388.3 |
| | Sep 2021 | 728 | 12.2 | 1080.44 | 10047 | -63 | 428.63 | 1566.2 | 281.3 | 100 | 386.4 |
| | **WY 2021** | **9416** | | | | | | | **3700.5** | | |
| | Oct 2021 | 536 | 8.7 | 1081.70 | 10153 | 105 | 433.90 | 1172.0 | 205.9 | 74 | 384.2 |
| | Nov 2021 | 654 | 11.0 | 1081.65 | 10148 | -4 | 435.46 | 1366.5 | 254.3 | 87 | 388.7 |
| | Dec 2021 | 491 | 8.0 | 1084.39 | 10378 | 230 | 434.68 | 1379.1 | 192.7 | 87 | 392.0 |
| | Jan 2022 | 519 | 8.4 | 1088.76 | 10750 | 372 | 436.66 | 1298.2 | 205.8 | 80 | 396.2 |
| | Feb 2022 | 518 | 9.3 | 1091.96 | 11027 | 277 | 441.11 | 1097.8 | 204.6 | 67 | 394.7 |
| | Mar 2022 | 968 | 15.7 | 1090.63 | 10911 | -116 | 441.00 | 1186.9 | 392.9 | 73 | 405.8 |

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

**Model Run ID: 3117**

**Processed On: 4/10/2020 3:45:27PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 886 | 14.9 | 642.52 | 1686 | -1 | 142.03 | 210.8 | 111.9 | 83 | 126.3 |
| H | May 2019 | 937 | 15.2 | 643.32 | 1707 | 22 | 139.79 | 238.6 | 119.5 | 94 | 127.6 |
| I | Jun 2019 | 886 | 14.9 | 642.89 | 1696 | -12 | 140.50 | 255.0 | 113.6 | 100 | 128.3 |
| S | Jul 2019 | 895 | 14.5 | 643.48 | 1712 | 16 | 142.50 | 255.0 | 113.2 | 100 | 126.5 |
| T | Aug 2019 | 800 | 13.0 | 642.31 | 1680 | -32 | 139.60 | 255.0 | 101.8 | 100 | 127.3 |
| O | Sep 2019 | 767 | 12.9 | 638.35 | 1573 | -107 | 137.20 | 255.0 | 96.0 | 100 | 125.1 |
| | **WY 2019** | **8538** | | | | | | | **1079.9** | | |
| R | Oct 2019 | 589 | 9.6 | 638.28 | 1572 | -2 | 138.85 | 243.5 | 73.2 | 95 | 124.4 |
| I | Nov 2019 | 457 | 7.7 | 642.13 | 1675 | 103 | 143.18 | 153.0 | 55.6 | 60 | 121.7 |
| C | Dec 2019 | 247 | 4.0 | 640.77 | 1638 | -37 | 141.96 | 156.3 | 30.5 | 61 | 123.7 |
| A | Jan 2020 | 380 | 6.2 | 641.32 | 1653 | 15 | 141.95 | 156.3 | 49.9 | 61 | 131.3 |
| L | Feb 2020 | 523 | 9.1 | 642.10 | 1674 | 21 | 139.59 | 156.5 | 68.9 | 61 | 131.6 |
| * | Mar 2020 | 549 | 8.9 | 643.32 | 1708 | 33 | 142.51 | 164.5 | 67.4 | 65 | 122.6 |
| | Apr 2020 | 868 | 14.6 | 643.00 | 1699 | -9 | 139.55 | 253.3 | 109.2 | 99 | 125.7 |
| | May 2020 | 988 | 16.1 | 643.00 | 1699 | 0 | 138.88 | 255.0 | 123.6 | 100 | 125.1 |
| | Jun 2020 | 927 | 15.6 | 643.00 | 1699 | 0 | 139.05 | 255.0 | 116.2 | 100 | 125.3 |
| | Jul 2020 | 855 | 13.9 | 642.00 | 1671 | -27 | 139.13 | 255.0 | 107.2 | 100 | 125.3 |
| | Aug 2020 | 779 | 12.7 | 642.00 | 1671 | 0 | 139.09 | 255.0 | 97.6 | 100 | 125.3 |
| | Sep 2020 | 765 | 12.9 | 640.01 | 1618 | -54 | 138.03 | 255.0 | 95.2 | 100 | 124.4 |
| | **WY 2020** | **7930** | | | | | | | **994.6** | | |
| | Oct 2020 | 742 | 12.1 | 633.00 | 1434 | -183 | 133.83 | 227.0 | 89.5 | 89 | 120.6 |
| | Nov 2020 | 700 | 11.8 | 635.00 | 1486 | 51 | 131.44 | 159.8 | 82.9 | 63 | 118.4 |
| | Dec 2020 | 479 | 7.8 | 639.51 | 1604 | 118 | 136.34 | 154.7 | 58.9 | 61 | 122.8 |
| | Jan 2021 | 440 | 7.2 | 641.80 | 1666 | 62 | 140.03 | 156.3 | 55.6 | 61 | 126.2 |
| | Feb 2021 | 512 | 9.2 | 641.80 | 1666 | 0 | 140.27 | 156.6 | 64.7 | 61 | 126.4 |
| | Mar 2021 | 923 | 15.0 | 643.05 | 1700 | 34 | 138.67 | 194.1 | 115.3 | 76 | 124.9 |
| | Apr 2021 | 1017 | 17.1 | 643.00 | 1699 | -1 | 138.57 | 249.9 | 127.0 | 98 | 124.8 |
| | May 2021 | 976 | 15.9 | 643.00 | 1699 | 0 | 138.95 | 255.0 | 122.2 | 100 | 125.2 |
| | Jun 2021 | 922 | 15.5 | 643.00 | 1699 | 0 | 139.08 | 255.0 | 115.5 | 100 | 125.3 |
| | Jul 2021 | 832 | 13.5 | 642.00 | 1671 | -27 | 139.28 | 255.0 | 104.4 | 100 | 125.5 |
| | Aug 2021 | 766 | 12.4 | 642.00 | 1671 | 0 | 139.18 | 255.0 | 96.0 | 100 | 125.4 |
| | Sep 2021 | 749 | 12.6 | 640.01 | 1618 | -54 | 138.13 | 255.0 | 93.2 | 100 | 124.4 |
| | **WY 2021** | **9059** | | | | | | | **1125.2** | | |
| | Oct 2021 | 694 | 11.3 | 633.00 | 1434 | -183 | 134.13 | 227.0 | 83.9 | 89 | 120.8 |
| | Nov 2021 | 574 | 9.6 | 635.00 | 1486 | 51 | 132.29 | 159.8 | 68.4 | 63 | 119.2 |
| | Dec 2021 | 352 | 5.7 | 639.51 | 1604 | 118 | 137.30 | 154.7 | 43.5 | 61 | 123.7 |
| | Jan 2022 | 427 | 6.9 | 641.80 | 1666 | 62 | 140.13 | 156.3 | 53.9 | 61 | 126.2 |
| | Feb 2022 | 498 | 9.0 | 641.80 | 1666 | 0 | 140.38 | 156.6 | 63.0 | 61 | 126.5 |
| | Mar 2022 | 909 | 14.8 | 643.05 | 1700 | 34 | 138.75 | 194.1 | 113.7 | 76 | 125.0 |

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

**Model Run ID: 3117**

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 24-Month Study

Most Probable Inflow*

## Parker Dam - Lake Havasu

BUREAU OF RECLAMATION

| | Date | Power Release (1000 Ac-Ft) | Power Release (1000 CFS) | Reservoir Elev End of Month (Ft) | EOM Storage (1000 Ac-Ft) | Change In Storage (1000 Ac-Ft) | Parker Static Head (Ft) | Parker Gen Capacity MW | Parker Gross Energy MKWH | Percent of Units Available | KWH/AF |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 712 | 12.0 | 447.29 | 567 | -11 | 79.40 | 115.0 | 49.5 | 96 | 69.5 |
| H | May 2019 | 673 | 11.3 | 448.62 | 592 | 25 | 80.51 | 119.0 | 48.6 | 99 | 72.2 |
| I | Jun 2019 | 717 | 12.0 | 448.47 | 589 | -3 | 80.43 | 120.0 | 50.3 | 100 | 70.2 |
| S | Jul 2019 | 739 | 12.0 | 448.12 | 582 | -7 | 80.11 | 120.0 | 51.4 | 100 | 69.5 |
| T | Aug 2019 | 636 | 10.3 | 447.22 | 565 | -17 | 77.13 | 120.0 | 44.3 | 100 | 69.7 |
| O | Sep 2019 | 514 | 8.6 | 449.03 | 600 | 34 | 83.07 | 120.0 | 35.9 | 100 | 69.8 |
| | **WY 2019** | **6211** | | | | | | | **433.7** | | |
| R | Oct 2019 | 430 | 7.0 | 447.77 | 576 | -24 | 83.21 | 90.0 | 30.2 | 75 | 70.1 |
| I | Nov 2019 | 300 | 5.0 | 449.10 | 601 | 25 | 84.29 | 92.0 | 20.2 | 77 | 67.2 |
| C | Dec 2019 | 159 | 2.6 | 448.16 | 583 | -18 | 81.68 | 100.6 | 9.4 | 84 | 59.3 |
| A | Jan 2020 | 311 | 5.1 | 446.50 | 552 | -31 | 80.47 | 97.7 | 22.0 | 81 | 70.7 |
| L | Feb 2020 | 400 | 6.9 | 448.15 | 583 | 31 | 82.44 | 97.2 | 28.0 | 81 | 70.0 |
| * | Mar 2020 | 455 | 7.4 | 446.04 | 543 | -39 | 78.08 | 120.0 | 30.0 | 100 | 65.9 |
| | Apr 2020 | 607 | 10.2 | 448.00 | 580 | 37 | 74.42 | 120.0 | 39.5 | 100 | 65.0 |
| | May 2020 | 696 | 11.3 | 448.50 | 589 | 9 | 75.61 | 120.0 | 46.0 | 100 | 66.1 |
| | Jun 2020 | 713 | 12.0 | 448.70 | 593 | 4 | 75.95 | 120.0 | 47.4 | 100 | 66.5 |
| | Jul 2020 | 706 | 11.5 | 448.00 | 580 | -13 | 75.71 | 120.0 | 46.8 | 100 | 66.2 |
| | Aug 2020 | 626 | 10.2 | 447.50 | 571 | -9 | 75.13 | 120.0 | 41.1 | 100 | 65.6 |
| | Sep 2020 | 530 | 8.9 | 447.50 | 570 | 0 | 74.89 | 120.0 | 34.5 | 100 | 65.1 |
| | **WY 2020** | **5933** | | | | | | | **394.9** | | |
| | Oct 2020 | 459 | 7.5 | 447.50 | 571 | 0 | 76.29 | 90.0 | 30.2 | 75 | 65.9 |
| | Nov 2020 | 414 | 7.0 | 447.50 | 571 | 0 | 76.19 | 92.0 | 27.1 | 77 | 65.6 |
| | Dec 2020 | 284 | 4.6 | 446.50 | 552 | -19 | 74.86 | 109.4 | 17.8 | 91 | 62.9 |
| | Jan 2021 | 255 | 4.1 | 446.50 | 552 | 0 | 75.07 | 94.8 | 16.0 | 79 | 62.6 |
| | Feb 2021 | 392 | 7.1 | 446.50 | 552 | 0 | 75.21 | 92.1 | 25.5 | 77 | 64.9 |
| | Mar 2021 | 637 | 10.4 | 446.70 | 555 | 4 | 74.01 | 120.0 | 41.2 | 100 | 64.7 |
| | Apr 2021 | 706 | 11.9 | 448.70 | 593 | 38 | 75.08 | 120.0 | 46.5 | 100 | 65.8 |
| | May 2021 | 705 | 11.5 | 448.70 | 593 | 0 | 76.05 | 120.0 | 46.9 | 100 | 66.5 |
| | Jun 2021 | 718 | 12.1 | 448.70 | 593 | 0 | 76.05 | 120.0 | 47.8 | 100 | 66.6 |
| | Jul 2021 | 693 | 11.3 | 448.00 | 580 | -13 | 75.71 | 120.0 | 45.9 | 100 | 66.2 |
| | Aug 2021 | 623 | 10.1 | 447.50 | 571 | -9 | 75.13 | 120.0 | 40.9 | 100 | 65.5 |
| | Sep 2021 | 530 | 8.9 | 447.50 | 570 | 0 | 74.89 | 120.0 | 34.5 | 100 | 65.1 |
| | **WY 2021** | **6417** | | | | | | | **420.3** | | |
| | Oct 2021 | 470 | 7.6 | 447.50 | 571 | 0 | 76.14 | 92.9 | 30.9 | 77 | 65.8 |
| | Nov 2021 | 355 | 6.0 | 447.50 | 571 | 0 | 76.19 | 92.0 | 23.1 | 77 | 65.0 |
| | Dec 2021 | 236 | 3.8 | 446.50 | 552 | -19 | 74.82 | 110.3 | 14.6 | 92 | 61.9 |
| | Jan 2022 | 255 | 4.1 | 446.50 | 552 | 0 | 75.12 | 93.9 | 16.0 | 78 | 62.6 |
| | Feb 2022 | 393 | 7.1 | 446.50 | 552 | 0 | 75.15 | 93.2 | 25.5 | 78 | 64.9 |
| | Mar 2022 | 637 | 10.4 | 446.70 | 555 | 4 | 74.01 | 120.0 | 41.2 | 100 | 64.7 |

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 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 |
|---|---|---|---|---|---|---|---|
| * | Apr 2019 | 294 | 27 | 9 | 14 | 10 | 4 |
| H | May 2019 | 299 | 38 | 23 | 45 | 21 | 6 |
| I | Jun 2019 | 332 | 82 | 33 | 64 | 22 | 8 |
| S | Jul 2019 | 391 | 39 | 28 | 54 | 23 | 7 |
| T | Aug 2019 | 412 | 42 | 24 | 49 | 22 | 7 |
| O | Sep 2019 | 312 | 44 | 15 | 22 | 18 | 2 |
| | **Summer 2019** | **2041** | **273** | **131** | **248** | **115** | **34** |
| R | Oct 2019 | 281 | 31 | 26 | 27 | 18 | 5 |
| I | Nov 2019 | 280 | 31 | 22 | 25 | 14 | 5 |
| C | Dec 2019 | 336 | 51 | 26 | 30 | 17 | 5 |
| A | Jan 2020 | 338 | 51 | 18 | 22 | 11 | 5 |
| L | Feb 2020 | 296 | 47 | 12 | 14 | 4 | 4 |
| * | Mar 2020 | 307 | 46 | 11 | 13 | 7 | 4 |
| | **Winter 2020** | **1838** | **258** | **115** | **131** | **71** | **28** |
| | Apr 2020 | 263 | 42 | 18 | 23 | 13 | 5 |
| | May 2020 | 265 | 22 | 53 | 72 | 23 | 6 |
| | Jun 2020 | 279 | 81 | 13 | 21 | 15 | 9 |
| | Jul 2020 | 326 | 26 | 25 | 31 | 16 | 10 |
| | Aug 2020 | 362 | 32 | 20 | 28 | 15 | 7 |
| | Sep 2020 | 258 | 35 | 22 | 27 | 14 | 2 |
| | **Summer 2020** | **1755** | **239** | **151** | **203** | **96** | **38** |
| | Oct 2020 | 275 | 27 | 19 | 23 | 12 | 6 |
| | Nov 2020 | 274 | 36 | 4 | 6 | 4 | 6 |
| | Dec 2020 | 307 | 54 | 12 | 16 | 8 | 6 |
| | Jan 2021 | 365 | 54 | 12 | 16 | 8 | 5 |
| | Feb 2021 | 316 | 49 | 13 | 16 | 9 | 4 |
| | Mar 2021 | 335 | 21 | 0 | 17 | 9 | 5 |
| | **Winter 2021** | **1872** | **240** | **61** | **95** | **50** | **31** |
| | Apr 2021 | 297 | 21 | 0 | 23 | 13 | 5 |
| | May 2021 | 301 | 30 | 2 | 20 | 15 | 7 |
| | Jun 2021 | 327 | 78 | 56 | 71 | 22 | 9 |
| | Jul 2021 | 376 | 26 | 31 | 38 | 20 | 10 |
| | Aug 2021 | 397 | 32 | 34 | 40 | 20 | 9 |
| | Sep 2021 | 294 | 31 | 30 | 35 | 9 | 2 |
| | **Summer 2021** | **1994** | **216** | **154** | **226** | **100** | **41** |
| | Oct 2021 | 280 | 26 | 26 | 30 | 16 | 6 |
| | Nov 2021 | 279 | 38 | 17 | 21 | 11 | 6 |
| | Dec 2021 | 313 | 57 | 31 | 38 | 19 | 6 |
| | Jan 2022 | 372 | 56 | 17 | 21 | 11 | 5 |
| | Feb 2022 | 324 | 51 | 11 | 14 | 8 | 4 |
| | Mar 2022 | 344 | 40 | 13 | 17 | 9 | 5 |
| | **Winter 2022** | **1568** | **227** | **102** | **125** | **64** | **27** |

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2020 24-Month Study

Most Probable Inflow*

## Flood Control Criteria - Beginning of Month Conditions

— BUREAU OF —
RECLAMATION

| Date | Flaming Gorge KAF | Blue Mesa KAF | Navajo KAF | Lake Powell KAF | Upper Basin Total KAF | Lake Mead KAF | Total KAF | Flaming Gorge KAF | Blue Mesa KAF | Navajo KAF | Tot or Max Allow KAF | Lake Powell KAF | Lake Mead KAF | Total KAF | BOM Space Required KAF | Mead Sched Rel KAF | Mead FC Rel KAF | Sys Cont MAF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ****PREDICTED SPACE**** | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Apr 2020 | 737 | 295 | 404 | 12504 | 13940 | 15767 | 29707 | 410 | 153 | 264 | 826 | 12504 | 15767 | 29097 | 1500 | 889 | 0 | 30.9 |
| May 2020 | 719 | 303 | 386 | 12479 | 13887 | 16004 | 29891 | 386 | 160 | 222 | 768 | 12479 | 16004 | 29251 | 1500 | 1020 | 0 | 31.4 |
| Jun 2020 | 583 | 337 | 314 | 11766 | 13000 | 16396 | 29396 | 237 | 184 | 110 | 531 | 11766 | 16396 | 28693 | 1500 | 968 | 0 | 32.7 |
| Jul 2020 | 459 | 165 | 275 | 10534 | 11434 | 16747 | 28181 | 99 | -2 | 15 | 112 | 10534 | 16747 | 27393 | 1500 | 865 | 0 | 32.5 |
| | | | | | | | | ****CREDITABLE SPACE**** | | | | | | | | | | |
| Aug 2020 | 379 | 162 | 322 | 10554 | 11417 | 16879 | 28296 | 379 | 162 | 322 | 863 | 10554 | 16879 | 28296 | 1500 | 814 | 0 | 32.0 |
| Sep 2020 | 409 | 183 | 355 | 10918 | 11865 | 16871 | 28736 | 409 | 183 | 355 | 947 | 10918 | 16871 | 28736 | 2270 | 744 | 0 | 31.5 |
| Oct 2020 | 466 | 211 | 363 | 11095 | 12134 | 17018 | 29152 | 466 | 211 | 363 | 1040 | 11095 | 17018 | 29152 | 3040 | 584 | 0 | 31.2 |
| Nov 2020 | 491 | 237 | 359 | 11248 | 12336 | 16959 | 29295 | 491 | 237 | 359 | 1088 | 11248 | 16959 | 29295 | 3810 | 780 | 0 | 30.9 |
| Dec 2020 | 542 | 222 | 363 | 11426 | 12553 | 17083 | 29636 | 542 | 222 | 363 | 1127 | 11426 | 17083 | 29636 | 4580 | 619 | 0 | 30.8 |
| Jan 2021 | 655 | 238 | 365 | 11665 | 12922 | 16973 | 29896 | 655 | 238 | 365 | 1257 | 11665 | 16973 | 29896 | 5350 | 533 | 0 | 30.7 |
| | | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Jan 2021 | 655 | 238 | 365 | 11665 | 12922 | 16973 | 29896 | 407 | 238 | 145 | 790 | 11665 | 16973 | 29429 | 5350 | 533 | 0 | 30.7 |
| Feb 2021 | 761 | 255 | 369 | 12019 | 13404 | 16614 | 30018 | 514 | 255 | 148 | 918 | 12019 | 16614 | 29551 | 1500 | 532 | 0 | 30.6 |
| Mar 2021 | 850 | 276 | 363 | 12264 | 13754 | 16349 | 30103 | 603 | 276 | 142 | 1021 | 12264 | 16349 | 29634 | 1500 | 982 | 0 | 30.4 |
| Apr 2021 | 812 | 284 | 324 | 12479 | 13899 | 16478 | 30377 | 559 | 284 | 95 | 939 | 12479 | 16478 | 29896 | 1500 | 1045 | 0 | 30.4 |
| May 2021 | 743 | 259 | 250 | 12365 | 13617 | 16784 | 30402 | 482 | 259 | -3 | 739 | 12365 | 16784 | 29888 | 1500 | 1008 | 0 | 31.6 |
| Jun 2021 | 591 | 83 | 247 | 11234 | 12154 | 17088 | 29241 | 318 | 83 | -47 | 354 | 11234 | 17088 | 28675 | 1500 | 962 | 0 | 33.0 |
| Jul 2021 | 428 | 25 | 381 | 9624 | 10458 | 17337 | 27795 | 140 | 18 | 31 | 188 | 9624 | 17337 | 27149 | 1500 | 842 | 0 | 33.1 |
| | | | | | | | | ****CREDITABLE SPACE**** | | | | | | | | | | |
| Aug 2021 | 308 | 5 | 412 | 9567 | 10293 | 17351 | 27644 | 308 | 5 | 412 | 726 | 9567 | 17351 | 27644 | 1500 | 800 | 0 | 32.8 |
| Sep 2021 | 322 | 43 | 433 | 9921 | 10719 | 17267 | 27986 | 322 | 43 | 433 | 798 | 9921 | 17267 | 27986 | 2270 | 728 | 0 | 32.4 |
| Oct 2021 | 363 | 91 | 438 | 10122 | 11014 | 17330 | 28344 | 363 | 91 | 438 | 892 | 10122 | 17330 | 28344 | 3040 | 536 | 0 | 32.1 |
| Nov 2021 | 381 | 131 | 433 | 10229 | 11175 | 17224 | 28400 | 381 | 131 | 433 | 946 | 10229 | 17224 | 28400 | 3810 | 654 | 0 | 32.0 |
| Dec 2021 | 436 | 158 | 437 | 10349 | 11380 | 17229 | 28608 | 436 | 158 | 437 | 1031 | 10349 | 17229 | 28608 | 4580 | 491 | 0 | 31.9 |
| Jan 2022 | 554 | 236 | 448 | 10518 | 11756 | 16999 | 28755 | 554 | 236 | 448 | 1238 | 10518 | 16999 | 28755 | 5350 | 519 | 0 | 31.9 |
| | | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Jan 2022 | 554 | 236 | 448 | 10518 | 11756 | 16999 | 28755 | 279 | 236 | 236 | 750 | 10518 | 16999 | 28267 | 5350 | 519 | 0 | 31.9 |
| Feb 2022 | 667 | 268 | 461 | 10845 | 12241 | 16627 | 28868 | 392 | 268 | 248 | 908 | 10845 | 16627 | 28380 | 1500 | 518 | 0 | 31.8 |
| Mar 2022 | 762 | 283 | 462 | 11085 | 12591 | 16350 | 28941 | 486 | 283 | 249 | 1018 | 11085 | 16350 | 28452 | 1500 | 968 | 0 | 31.6 |

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