

November 24-Month Study
Date: November 14, 2019

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

Current Reservoir Status

Reservoir	October Inflow (unregulated) (acre-feet)	Percent of Average (%)	November 13, Midnight Elevation (feet)	November 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	50,800	104	6,493.05	248,000
Flaming Gorge	52,700	89	6,031.25	3,400,000
Blue Mesa	28,200	75	7,500.11	664,000
Navajo	5,800	12	6,060.78	1,360,000
Powell	264,700	52	3,612.23	12,960,000

Expected Operations

The operation of Lake Powell and Lake Mead in this November 2019 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 2019 Annual Operating Plan (AOP) and draft 2020 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.

The August 2019 24-Month Study projected the January 1, 2020, Lake Powell elevation to be below the 2019 Equalization Elevation of 3,657 feet and above elevation 3,575 feet. 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 initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2020. Based on the most probable inflow forecast, this November 24-Month Study projects an annual release of 8.23 maf in 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 2019.

The August 2019 24-Month Study projected the January 1, 2020, Lake Mead elevation to be above 1,075 feet and below 1,090 feet. 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 for calendar year 2020.

The 2020 operational tier determinations for Lake Powell and Lake Mead will be documented in the 2020 AOP, which is currently in development.

The Interim Guidelines are available for download at:

<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2019 AOP is available for download at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP19.pdf>.

The draft 2020 AOP is available for download at:

https://www.usbr.gov/lc/region/g4000/AOP2020/AOP20_draft.pdf.

The Colorado River DCPs are available for download at:

<https://www.usbr.gov/lc/region/programs/dcp.html>.

Fontenelle Reservoir – As of November 3, 2019 Fontenelle Reservoir pool elevation is 6493.54 feet, which amounts to 73 percent of live storage capacity. Inflows for the month of October totaled 50,811 acre-feet (af) or 105 percent of average. Releases remain at 1100 cfs and is planned to be 1025 cfs in early November.

The Colorado Basin River Forecast Center has forecasted inflows that are near average. November, December and January inflow volumes amount to 44,000 af (105 percent of average), 33,000 af (103 percent of average), and 32,000 af (106 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for April 22, 2020 from 10:00 a.m. to 12:00 p.m. The meeting is planned to held at the 3 Telephone Canyon Road, Green River, WY 82935. 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 November 3, 2019, Flaming Gorge Reservoir pool elevation is 6031.17 feet, which amounts to 91 percent of live storage capacity. Inflows for the month of October totaled 69,564 acre-feet (af) or 95 percent of average. Flaming Gorge average daily releases are planned to be increased beginning in the middle of November at 50 cfs per day from the currently daily average of 1,100 cfs to a daily average of 2150 cfs by December 1st.

The November final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: November, December and January forecasted unregulated inflow volumes at 50,000 af (98 percent of average), 38,000 af (109 percent of average), and 43,000 af (107 percent of average), respectively.

Reclamation is planning to hold the Pre-Flaming Gorge Working Group meeting on March 19, 2020 from 10:00 am to 1:00 pm at the Uintah Conference Center in Vernal UT (313 East 200 South). The Flaming Gorge Working Group meeting to review stakeholders comments and input is scheduled for April 16, 2020 from 10:00 a.m. to 1:00 p.m. at Carbon County Event Center, 450 S Fairgrounds Rd, Price, UT 84501, USA.

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 November 6, 2019 releases from Crystal Dam are approximately 1,450 cfs. Uncompahgre Valley Water Users Association has terminated diversions through the Gunnison Tunnel for the 2019 irrigation season. Flows in the Black Canyon are about 1,470 cfs. Releases from Crystal are projected to remain at about this level until November 18th and are projected to be reduced to 1,000 cfs for about 2 weeks. In December releases from Crystal will be increased to about 1,500 cfs.

Blue Mesa did fill this year and achieved a peak elevation on July 25, 2019 of 7519.15 feet above sea level which corresponded to a storage content of 827,000 af (99 percent of full pool). Since this peak filling, Blue Mesa's elevation has declined to 7501.40 feet above sea level on November 6, 2019.

The unregulated inflow volume in September to Blue Mesa was 28.2 kaf (75 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (November, December and January) are projected to be: 29,000 af (93 percent of average), 27,000 af (103 percent of average) and 26,000 af (108 percent of average), respectively. The November 24-Month Study is reflective of these new forecasts. The water year unregulated inflow forecast volume for 2020 is 0.813 maf which is 85 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.

Meeting notes from past working Group meetings are posted on the Working Group webpage at:

<https://www.usbr.gov/uc/wcao/water/rsvrs/mtgs/amcurrnt.html>

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 23, 2020 at 1:00 pm at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – On November 12th, the daily average release rate from Navajo Dam was approximately 319 cfs while reservoir inflow (modified unregulated) was averaging approximately 141 cfs. The water surface elevation was 6060.81 feet above sea level. At this elevation the live storage is 1.36 maf (80 percent of live storage capacity) and the active storage is 0.70 maf (67 percent of active storage capacity). NIIP has shut down diversions for the season. The river flow measured at the Animas River at Farmington USGS gage was at 296 cfs. River flow at the San Juan River at Four Corners USGS gage was 600 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 September was 6 kaf (12 percent of average for the month).

Forecast modified-unregulated inflow to Navajo over the next three months (November, December and January) are projected to be: 14 kaf (42 percent of average), 15 kaf (60 percent of average), and 17 kaf (78 percent of average), respectively.

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 for the remainder of the calendar year.

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 will be held Tuesday, January 21, 2020 at 1:00 pm at the Farmington Civic Center (200 West Arrington, Farmington, NM).

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow volume to Lake Powell during October was 265 thousand acre-feet (kaf) (52 percent of average). The release volume from Glen Canyon Dam in October was 625 kaf. The end of October elevation and storage of Lake Powell were 3,613 ft (87 feet from full pool) and 13 maf (53 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. Under this Tier the initial annual water year release volume is 8.23 maf, and if 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 below 1,075 feet. Lake Powell operations will shift to balancing releases for the remainder of water year 2020. If the April 2020 24-Month Study projects the end of water year elevation to be above the 2020 Equalization elevation of 3,657 feet Lake Powell operations will shift to Equalization releases for the remainder of water year 2020. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2020.

In November, the release volume will be approximately 625 kaf, with fluctuations anticipated between about 7,000 cfs in the nighttime to about 12,640 cfs in the daytime, and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for December is 750 kaf with daily fluctuations between approximately 7,825 cfs and 14,575 cfs. The expected release for January is 760 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 1,200 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 November 1, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 8.77 maf (81 percent of average). There is significant uncertainty regarding this season's snow pack 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 October forecast ranges from a minimum probable of 6.7 maf (62 percent of average) to a maximum probable of 18 maf (166 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 November 24-Month Study projects Lake Powell elevation will end water year 2020 near 3,617.91 feet with approximately 13.5 maf in storage (56 percent of capacity). Note that projections of elevation and storage for water year 2020 have significant 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 October 2019 are 3,595.36 feet (11.31 maf, 47 percent of capacity) and 3,657 feet (18.10 maf, 74 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 is projected to be 8.23 maf under the October most probable scenario, and 9.0 maf under the minimum probable and 11.89 maf under the maximum probable inflow 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 8.77 maf (81 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 31.2 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
WATER RESOURCES GROUP
ATTENTION UC-430
125 SOUTH STATE STREET, ROOM 8100
SALT LAKE CITY, UT 84138-5571
PHONE 801-524-3709

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			
:		jul	aug	sep	oct	%Avg	nov	dec	jan
GLDA3:Lake Powell		2451	472	143	265	52%:	350/	320/	320/
GBRW4:Fontenelle		184	57	41	51	105%:	44/	33/	32/
GRNU1:Flaming Gorge		227	59	49	53	90%:	50/	38/	43/
BMDC2:Blue Mesa		282	92	32	29	76%:	29/	27/	26/
MPSC2:Morrow Point		295	93	32	29	71%:	31/	29/	28/
CLSC2:Crystal		321	98	36	33	70%:	35/	33/	32/
TPIC2:Taylor Park		47	14.8	7.1	7.4	111%:	6.0/	5.5/	5.5/
VCRC2:Vallecito		69	19.5	8.1	3.6	23%:	3.5/	4/	4.5/
NVRN5:Navajo		171	40	3.4	5.8	12%:	14/	15/	17/
LEMC2:Lemon		19.8	3.7	1.44	0.60	19%:	0.7/	0.7/	0.7/
MPHC2:McPhee		53	11.3	5.8	2.3	26%:	4.0/	4.0/	4.0/
RBSC2:Ridgway		46	17.6	5.8	4.8	62%:	5.0/	4.5/	4.5/
YDLC2:Deerlodge		258	32	12.0	21	61%:	28/	25/	24/
DRGC2:Durango		173	49	19.9	15.2	54%:	13.0/	13.0/	13.0/



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



— BUREAU OF —
RECLAMATION

Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Nov 2018	38	1	60	0	60	6488.29	216
H Dec 2018	30	1	61	1	61	6483.19	184
I Jan 2019	28	1	61	0	61	6476.81	150
S Feb 2019	26	0	55	1	56	6470.41	120
T Mar 2019	37	0	61	0	61	6464.13	95
O Apr 2019	114	1	71	0	71	6474.10	137
R May 2019	167	1	98	0	98	6486.46	204
I Jun 2019	337	2	107	171	278	6494.89	261
C Jul 2019	184	3	86	39	125	6502.48	317
A Aug 2019	57	2	74	0	74	6499.98	298
L Sep 2019	41	2	19	47	66	6496.36	271
WY 2019	1101	15	799	278	1077		
* Oct 2019	51	1	61	7	68	6493.83	253
Nov 2019	44	1	62	0	62	6491.14	236
Dec 2019	33	1	63	0	63	6486.43	205
Jan 2020	32	1	63	0	63	6481.15	173
Feb 2020	30	1	59	0	59	6475.46	144
Mar 2020	46	0	65	0	65	6471.22	124
Apr 2020	75	1	79	0	79	6470.26	120
May 2020	145	1	88	0	88	6481.62	176
Jun 2020	285	2	103	55	157	6500.33	301
Jul 2020	170	3	101	33	134	6504.64	335
Aug 2020	65	2	80	0	80	6502.39	317
Sep 2020	45	2	20	52	71	6498.67	289
WY 2020	1021	15	843	146	989		
Oct 2020	48	1	74	0	74	6494.95	262
Nov 2020	42	1	64	0	64	6491.67	239
Dec 2020	32	1	66	0	66	6486.36	204
Jan 2021	30	1	66	0	66	6480.23	168
Feb 2021	28	0	60	0	60	6473.70	136
Mar 2021	53	0	69	0	69	6469.93	119
Apr 2021	85	1	79	0	79	6471.21	124
May 2021	164	1	93	0	93	6484.62	194
Jun 2021	299	2	103	82	185	6500.83	305
Jul 2021	178	3	101	42	143	6504.96	337
Aug 2021	77	2	82	0	82	6503.94	329
Sep 2021	46	2	20	58	77	6499.61	296
WY 2021	1081	15	877	182	1059		
Oct 2021	49	1	74	0	74	6496.01	270

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



BUREAU OF
RECLAMATION

Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
* Nov 2018	41	63	4	93	0	93	133	6029.15	3316	121
H Dec 2018	29	60	2	124	0	124	131	6027.49	3253	153
I Jan 2019	34	68	2	124	0	124	129	6026.01	3198	154
S Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
T Mar 2019	74	99	3	58	0	58	128	6025.67	3185	128
O Apr 2019	240	198	5	71	0	71	133	6028.79	3303	341
R 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
C Jul 2019	227	169	14	100	0	100	141	6033.89	3502	376
A Aug 2019	59	76	13	109	0	109	139	6032.79	3458	153
L Sep 2019	49	74	11	113	0	113	137	6031.57	3410	138
WY 2019	1553	1529	82	1315	100	1415				3356
* Oct 2019	53	70	7	80	0	80	136	6031.13	3393	112
Nov 2019	50	68	4	86	0	86	136	6030.59	3372	114
Dec 2019	38	68	2	132	0	132	133	6028.94	3308	157
Jan 2020	43	74	2	132	0	132	131	6027.42	3251	156
Feb 2020	46	75	2	124	0	124	129	6026.12	3202	148
Mar 2020	95	114	3	101	0	101	129	6026.36	3211	171
Apr 2020	125	129	5	98	0	98	130	6027.02	3235	298
May 2020	220	163	8	74	0	74	133	6029.08	3314	594
Jun 2020	355	227	10	237	0	237	133	6028.59	3295	722
Jul 2020	200	164	14	87	0	87	135	6030.16	3355	162
Aug 2020	76	91	13	111	0	111	134	6029.36	3324	132
Sep 2020	55	81	11	107	0	107	132	6028.43	3289	122
WY 2020	1356	1324	80	1370	0	1370				2889
Oct 2020	59	85	7	84	0	84	132	6028.25	3282	112
Nov 2020	51	73	3	83	0	83	132	6027.92	3270	112
Dec 2020	35	69	2	114	0	114	130	6026.74	3225	139
Jan 2021	40	76	2	114	0	114	128	6025.72	3187	139
Feb 2021	45	77	2	103	0	103	127	6024.99	3160	131
Mar 2021	102	119	3	83	0	83	128	6025.83	3191	160
Apr 2021	134	127	5	80	0	80	130	6026.92	3232	295
May 2021	245	175	8	82	0	82	133	6029.06	3313	614
Jun 2021	390	276	11	217	0	217	135	6030.27	3359	637
Jul 2021	210	175	14	87	0	87	138	6032.09	3430	188
Aug 2021	89	94	13	111	0	111	137	6031.37	3402	136
Sep 2021	55	87	11	107	0	107	136	6030.59	3372	126
WY 2021	1454	1432	81	1265	0	1265				2789
Oct 2021	59	84	7	84	0	84	135	6030.40	3364	117

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



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RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Nov 2018	3	3	9302.61	59
H	Dec 2018	4	3	9302.74	59
I	Jan 2019	4	3	9302.92	59
S	Feb 2019	3	3	9303.16	60
T	Mar 2019	5	4	9303.75	60
O	Apr 2019	10	7	9306.14	64
R	May 2019	21	26	9302.64	59
I	Jun 2019	68	38	9320.92	89
C	Jul 2019	47	32	9328.49	103
A	Aug 2019	15	24	9323.77	94
L	Sep 2019	7	20	9316.42	81
WY 2019		191	168		
*	Oct 2019	7	11	9314.38	77
	Nov 2019	6	6	9314.41	77
	Dec 2019	6	6	9314.02	76
	Jan 2020	6	6	9313.64	76
	Feb 2020	5	6	9313.31	75
	Mar 2020	5	6	9312.61	74
	Apr 2020	7	6	9313.22	75
	May 2020	25	12	9320.65	88
	Jun 2020	38	24	9327.97	102
	Jul 2020	15	24	9323.33	93
	Aug 2020	9	21	9316.74	81
	Sep 2020	7	15	9312.01	73
WY 2020		135	143		
	Oct 2020	6	6	9312.27	74
	Nov 2020	5	6	9311.70	73
	Dec 2020	5	6	9310.80	71
	Jan 2021	4	6	9309.67	69
	Feb 2021	4	6	9308.55	68
	Mar 2021	4	6	9307.44	66
	Apr 2021	9	6	9309.22	69
	May 2021	28	15	9317.21	82
	Jun 2021	42	21	9328.24	103
	Jul 2021	20	21	9327.81	102
	Aug 2021	10	21	9322.26	91
	Sep 2021	7	18	9316.36	80
WY 2021		145	138		
	Oct 2021	7	6	9316.74	81

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir



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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)
* Nov 2018	22	21	0	19	0	19	7438.08	250
H Dec 2018	20	19	0	21	0	21	7437.82	249
I Jan 2019	20	20	0	17	0	17	7438.40	252
S Feb 2019	20	20	0	23	0	23	7437.59	248
T Mar 2019	28	27	0	25	0	25	7438.01	250
O Apr 2019	121	118	0	33	0	33	7453.91	335
R May 2019	214	218	1	86	18	105	7471.68	447
I Jun 2019	471	444	1	124	70	194	7504.14	696
C Jul 2019	282	266	2	87	51	138	7518.61	823
A Aug 2019	92	100	1	76	62	137	7514.39	784
L Sep 2019	32	45	1	45	47	93	7508.84	736
WY 2019	1344	1320	7	601	260	859		
* Oct 2019	28	32	1	82	3	85	7502.51	682
Nov 2019	29	29	0	69	0	69	7497.64	642
Dec 2019	27	28	0	85	0	85	7490.43	585
Jan 2020	26	27	0	56	0	56	7486.59	555
Feb 2020	23	24	0	51	0	51	7482.97	528
Mar 2020	34	35	0	20	29	49	7480.98	513
Apr 2020	63	62	1	66	0	66	7480.38	509
May 2020	170	157	1	201	11	211	7472.59	453
Jun 2020	235	221	1	39	0	39	7496.70	634
Jul 2020	90	99	1	76	0	76	7499.34	656
Aug 2020	51	63	1	77	0	77	7497.48	641
Sep 2020	37	45	1	71	0	71	7494.09	613
WY 2020	813	821	8	892	43	935		
Oct 2020	38	37	1	66	0	66	7490.34	584
Nov 2020	31	32	0	18	0	18	7492.03	597
Dec 2020	26	27	0	42	0	42	7490.10	582
Jan 2021	24	26	0	42	0	42	7487.99	566
Feb 2021	22	24	0	32	0	32	7486.88	557
Mar 2021	36	38	0	0	38	38	7486.85	557
Apr 2021	77	74	1	0	59	59	7488.75	572
May 2021	221	208	1	6	195	201	7489.51	578
Jun 2021	261	240	1	41	0	41	7513.33	775
Jul 2021	117	118	2	90	0	90	7516.27	801
Aug 2021	63	74	1	99	0	99	7513.34	775
Sep 2021	38	49	1	86	0	86	7508.90	736
WY 2021	954	947	9	524	291	815		
Oct 2021	38	38	1	90	0	90	7502.69	684

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



— BUREAU OF —
RECLAMATION

Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Nov 2018	23	19	1	20	13	0	15	7143.47	104
H Dec 2018	21	21	1	22	18	0	18	7147.95	107
I Jan 2019	21	17	1	17	18	0	18	7147.00	107
S Feb 2019	20	23	0	24	23	0	23	7147.57	107
T Mar 2019	29	25	1	26	26	0	26	7146.90	107
O Apr 2019	136	33	15	47	41	0	41	7155.16	113
R 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
C Jul 2019	295	138	13	150	151	0	151	7154.18	112
A Aug 2019	93	137	2	139	137	0	139	7153.99	112
L Sep 2019	32	93	1	93	60	0	96	7151.09	110
WY 2019	1446	859	102	961	858	0	949		
* Oct 2019	29	85	1	86	78	0	89	7147.93	107
Nov 2019	31	69	2	71	71	0	71	7147.94	107
Dec 2019	29	85	2	87	87	0	87	7147.94	107
Jan 2020	28	56	2	58	58	0	58	7147.94	107
Feb 2020	26	51	3	54	54	0	54	7147.94	107
Mar 2020	38	49	4	53	53	0	53	7147.94	107
Apr 2020	75	66	12	78	78	0	78	7147.94	107
May 2020	190	211	20	231	231	0	231	7147.94	107
Jun 2020	250	39	15	54	54	0	54	7147.94	107
Jul 2020	95	76	5	81	81	0	81	7147.94	107
Aug 2020	54	77	3	80	80	0	80	7147.94	107
Sep 2020	39	71	2	73	73	0	73	7147.94	107
WY 2020	884	935	71	1006	998	0	1009		
Oct 2020	40	66	2	68	68	0	68	7147.94	107
Nov 2020	33	18	2	20	20	0	20	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	32	3	35	35	0	35	7147.94	107
Mar 2021	40	38	4	42	42	0	42	7147.94	107
Apr 2021	88	59	11	70	70	0	70	7147.94	107
May 2021	247	201	26	227	227	0	227	7147.94	107
Jun 2021	281	41	20	61	61	0	61	7147.94	107
Jul 2021	123	90	6	96	96	0	96	7147.94	107
Aug 2021	67	99	3	103	103	0	103	7147.94	107
Sep 2021	41	86	3	89	89	0	89	7147.94	107
WY 2021	1039	815	84	900	900	0	900		
Oct 2021	41	90	3	92	92	0	92	7147.94	107

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*
Crystal Reservoir



— BUREAU OF —
RECLAMATION

Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
* Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
H Dec 2018	25	18	4	22	21	0	22	6745.32	15	0	20
I Jan 2019	25	18	4	22	19	3	22	6746.57	15	1	20
S Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
T Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
O Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
R 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
C Jul 2019	321	151	26	177	121	57	178	6746.79	15	59	124
A Aug 2019	98	139	5	144	119	28	147	6733.35	12	64	88
L Sep 2019	36	96	4	99	94	0	95	6750.61	16	61	36
WY 2019	1587	949	142	1091	768	210	1087			344	750
* Oct 2019	33	89	3	92	92	0	92	6749.75	16	64	32
Nov 2019	35	71	4	75	75	0	75	6749.63	16	0	75
Dec 2019	33	87	4	91	91	0	91	6749.63	16	0	91
Jan 2020	32	58	4	62	62	0	62	6749.63	16	0	62
Feb 2020	30	54	4	58	58	0	58	6749.63	16	0	58
Mar 2020	46	53	8	61	61	0	61	6749.63	16	5	56
Apr 2020	86	78	11	89	89	0	89	6749.63	16	42	47
May 2020	215	231	25	256	136	120	256	6749.63	16	62	194
Jun 2020	280	54	30	84	84	0	84	6749.63	16	61	23
Jul 2020	100	81	5	86	86	0	86	6749.63	16	65	21
Aug 2020	60	80	6	86	86	0	86	6749.63	16	65	21
Sep 2020	43	73	4	77	77	0	77	6749.63	16	55	22
WY 2020	993	1009	108	1117	997	121	1117			419	702
Oct 2020	44	68	5	73	73	0	73	6749.63	16	30	43
Nov 2020	37	20	4	25	25	0	25	6749.63	16	0	25
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	35	4	39	0	39	39	6749.63	16	0	39
Mar 2021	46	42	6	48	47	1	48	6749.63	16	5	43
Apr 2021	101	70	12	83	83	0	83	6749.63	16	42	41
May 2021	281	227	34	261	136	125	261	6749.63	16	62	199
Jun 2021	315	61	34	95	95	0	95	6749.63	16	61	34
Jul 2021	138	96	14	111	111	0	111	6749.63	16	65	46
Aug 2021	75	103	8	111	111	0	111	6749.63	16	65	46
Sep 2021	47	89	6	95	95	0	95	6749.63	16	55	40
WY 2021	1176	900	138	1038	873	165	1038			385	653
Oct 2021	47	92	6	98	98	0	98	6749.63	16	30	68

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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)
*	Nov 2018	5	0	7621.25	31
H	Dec 2018	3	0	7623.31	34
I	Jan 2019	4	0	7625.50	37
S	Feb 2019	4	0	7627.67	41
T	Mar 2019	6	6	7627.39	40
O	Apr 2019	32	25	7631.32	47
R	May 2019	58	41	7640.08	64
I	Jun 2019	160	101	7664.36	124
C	Jul 2019	69	68	7664.45	124
A	Aug 2019	20	38	7657.21	105
L	Sep 2019	8	33	7646.82	79
	WY 2019	378	316		
*	Oct 2019	4	13	7643.13	71
	Nov 2019	4	2	7643.55	72
	Dec 2019	4	2	7644.48	74
	Jan 2020	5	2	7645.61	77
	Feb 2020	4	2	7646.56	79
	Mar 2020	5	2	7647.83	82
	Apr 2020	13	2	7652.37	93
	May 2020	45	31	7657.66	106
	Jun 2020	50	43	7660.26	113
	Jul 2020	22	41	7652.38	93
	Aug 2020	15	38	7642.47	70
	Sep 2020	14	29	7635.00	54
	WY 2020	184	206		
	Oct 2020	14	16	7633.41	51
	Nov 2020	8	2	7636.30	57
	Dec 2020	6	2	7638.48	61
	Jan 2021	5	2	7640.13	65
	Feb 2021	5	2	7641.52	68
	Mar 2021	9	2	7644.49	74
	Apr 2021	23	2	7653.43	96
	May 2021	71	43	7664.04	123
	Jun 2021	70	70	7663.86	123
	Jul 2021	29	42	7658.89	109
	Aug 2021	20	38	7651.56	91
	Sep 2021	17	29	7646.62	79
	WY 2021	278	250		
	Oct 2021	16	16	7646.17	78

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea 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)
* Nov 2018	15	0	10	1	0	18	6017.43	888	34
H Dec 2018	12	0	9	0	0	18	6016.39	879	30
I Jan 2019	13	0	10	0	0	19	6015.33	869	31
S Feb 2019	17	0	14	1	1	16	6014.90	865	37
T Mar 2019	114	1	113	1	4	18	6024.61	955	62
O Apr 2019	230	24	203	2	20	20	6040.36	1117	102
R 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
C Jul 2019	171	26	141	5	47	59	6073.56	1531	228
A Aug 2019	40	6	52	4	42	78	6068.40	1459	104
L Sep 2019	3	0	29	3	29	67	6063.13	1388	71
WY 2019	1400	150	1188	26	211	483			1264
* Oct 2019	6	0	15	2	6	33	6061.08	1362	46
Nov 2019	14	0	13	1	0	27	6059.94	1347	40
Dec 2019	15	0	13	1	0	22	6059.21	1338	35
Jan 2020	17	0	14	1	0	22	6058.59	1330	35
Feb 2020	23	0	21	1	0	20	6058.56	1330	32
Mar 2020	57	3	51	2	6	22	6060.24	1351	39
Apr 2020	95	9	75	2	21	30	6061.86	1372	65
May 2020	185	23	148	4	36	31	6067.73	1449	131
Jun 2020	165	20	138	5	53	30	6071.39	1500	145
Jul 2020	37	1	55	5	57	31	6068.73	1463	76
Aug 2020	33	1	55	4	48	39	6066.08	1427	68
Sep 2020	34	1	48	3	26	60	6062.99	1386	83
WY 2020	681	58	645	29	253	365			793
Oct 2020	40	2	41	2	9	31	6062.95	1386	53
Nov 2020	31	0	25	1	0	30	6062.52	1380	46
Dec 2020	25	0	21	1	0	31	6061.68	1369	46
Jan 2021	22	0	18	1	0	31	6060.67	1356	44
Feb 2021	30	0	27	1	0	28	6060.52	1354	40
Mar 2021	92	9	77	2	6	31	6063.53	1393	53
Apr 2021	170	21	128	3	22	30	6069.05	1467	82
May 2021	277	37	212	4	37	178	6068.62	1462	324
Jun 2021	224	29	195	4	53	272	6058.33	1327	424
Jul 2021	66	5	74	4	57	43	6055.85	1296	110
Aug 2021	45	2	61	3	48	31	6054.11	1275	69
Sep 2021	43	2	53	3	26	30	6053.65	1269	62
WY 2021	1066	106	932	28	258	764			1355
Oct 2021	47	2	46	2	9	31	6053.99	1273	59

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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)
* Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	669
H Dec 2018	228	322	22	740	0	740	3581.85	4862	10099	744
I Jan 2019	212	303	7	804	0	804	3576.34	4824	9629	815
S Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	741
T Mar 2019	625	574	11	791	0	791	3569.28	4778	9049	798
O Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
R 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
C Jul 2019	2451	2015	57	857	0	857	3621.60	5168	13933	896
A Aug 2019	472	608	58	900	0	900	3618.55	5143	13610	932
L Sep 2019	143	379	52	687	0	687	3615.36	5116	13277	703
WY 2019	12951	11787	356	8924	77	9001				9242
* Oct 2019	265	397	35	625	0	625	3612.99	5096	13034	633
Nov 2019	350	439	34	625	0	625	3610.99	5080	12830	626
Dec 2019	320	479	27	750	0	750	3608.24	5058	12554	756
Jan 2020	320	444	8	760	0	760	3605.20	5034	12253	771
Feb 2020	360	462	9	675	0	675	3603.10	5018	12049	684
Mar 2020	550	546	15	700	0	700	3601.49	5005	11892	714
Apr 2020	810	751	23	630	0	630	3602.43	5012	11983	645
May 2020	1720	1520	28	630	0	630	3610.51	5076	12781	641
Jun 2020	2400	2023	47	650	0	650	3622.31	5174	14009	661
Jul 2020	870	795	58	750	0	750	3622.19	5173	13997	769
Aug 2020	425	540	58	835	0	835	3619.12	5147	13671	852
Sep 2020	375	515	53	600	0	600	3617.91	5137	13543	613
WY 2020	8765	8911	394	8230	0	8230				8365
Oct 2020	484	540	36	640	0	640	3616.71	5127	13417	650
Nov 2020	460	478	35	640	0	640	3614.95	5113	13235	641
Dec 2020	363	464	27	720	0	720	3612.39	5091	12972	726
Jan 2021	361	461	8	860	0	860	3608.66	5061	12596	871
Feb 2021	393	459	9	750	0	750	3605.86	5039	12318	759
Mar 2021	665	600	15	800	0	800	3603.83	5023	12119	814
Apr 2021	1056	886	24	710	0	710	3605.27	5035	12261	725
May 2021	2343	2134	29	710	0	710	3618.00	5138	13552	721
Jun 2021	2666	2404	50	750	0	750	3631.64	5257	15038	761
Jul 2021	1091	980	63	850	0	850	3632.20	5262	15100	869
Aug 2021	500	593	62	900	0	900	3629.16	5234	14759	917
Sep 2021	408	523	56	670	0	670	3627.46	5219	14571	684
WY 2021	10790	10524	414	9000	0	9000				9138
Oct 2021	512	584	39	640	0	640	3626.67	5212	14483	640

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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)
* Nov 2018	662	67	42	690	11.6	16	689	642	1078.32	9872
H Dec 2018	740	52	36	468	7.6	11	467	659	1081.46	10132
I Jan 2019	804	106	30	487	7.9	8	486	682	1085.75	10493
S Feb 2019	730	126	28	621	11.2	6	620	694	1087.97	10682
T Mar 2019	791	200	32	738	12.0	13	737	707	1090.24	10878
O Apr 2019	720	118	39	902	15.2	15	900	700	1088.95	10767
R 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
C Jul 2019	857	20	67	946	15.4	33	946	666	1082.82	10246
A Aug 2019	900	64	71	802	13.0	34	801	669	1083.45	10299
L Sep 2019	687	60	59	696	11.7	32	690	667	1083.00	10261
WY 2019	9001	1089	547	8892		235	8868			
* Oct 2019	625	35	43	626	10.2	26	622	665	1082.61	10228
Nov 2019	625	54	43	549	9.2	6	549	670	1083.52	10305
Dec 2019	750	51	37	375	6.1	2	375	693	1087.80	10668
Jan 2020	760	83	31	527	8.6	9	527	710	1090.81	10927
Feb 2020	675	91	29	614	10.7	8	614	717	1092.06	11036
Mar 2020	700	57	32	944	15.3	18	944	703	1089.49	10813
Apr 2020	630	49	39	1017	17.1	22	1017	678	1085.10	10438
May 2020	630	30	44	962	15.6	31	962	655	1080.87	10083
Jun 2020	650	17	53	936	15.7	31	936	634	1076.85	9752
Jul 2020	750	80	65	806	13.1	34	806	629	1075.99	9681
Aug 2020	835	100	69	753	12.2	31	753	634	1076.93	9758
Sep 2020	600	91	57	687	11.6	24	687	630	1076.03	9685
WY 2020	8230	738	542	8795		244	8790			
Oct 2020	640	82	42	491	8.0	26	491	639	1077.89	9837
Nov 2020	640	54	42	608	10.2	18	608	641	1078.20	9862
Dec 2020	720	51	36	526	8.6	14	526	653	1080.42	10046
Jan 2021	860	83	30	544	8.8	9	544	675	1084.45	10383
Feb 2021	750	91	28	647	11.7	9	647	684	1086.19	10531
Mar 2021	800	57	31	964	15.7	18	964	675	1084.45	10383
Apr 2021	710	49	38	1039	17.5	23	1039	654	1080.63	10063
May 2021	710	30	44	981	16.0	32	981	635	1077.02	9766
Jun 2021	750	17	52	922	15.5	32	922	620	1074.27	9542
Jul 2021	850	80	65	831	13.5	34	831	620	1074.26	9541
Aug 2021	900	100	69	746	12.1	32	746	630	1076.04	9685
Sep 2021	670	91	57	704	11.8	25	704	628	1075.74	9662
WY 2021	9000	784	534	9004		271	9004			
Oct 2021	640	0	42	479	7.8	26	479	634	1076.81	9748

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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)
* Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
H Dec 2018	468	-14	9	386	0	386	6.3	640.79	1639
I Jan 2019	487	-29	10	418	0	418	6.8	641.89	1668
S Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
T Mar 2019	738	7	13	749	0	749	12.2	642.57	1687
O Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
R 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
C Jul 2019	946	-11	25	895	0	894	14.5	643.48	1712
A Aug 2019	802	-11	23	800	0	800	13.0	642.31	1680
L Sep 2019	696	-17	18	767	0	767	12.9	638.35	1573
WY 2019	8892	-142	198	8538	0	8539			
* Oct 2019	626	-24	15	589	0	589	9.6	638.28	1572
Nov 2019	549	-19	11	500	0	500	8.4	639.01	1591
Dec 2019	375	-12	9	354	0	354	5.7	639.01	1591
Jan 2020	527	-16	10	425	0	425	6.9	641.80	1666
Feb 2020	614	-13	10	591	0	591	10.3	641.80	1666
Mar 2020	944	-15	13	881	0	881	14.3	643.05	1700
Apr 2020	1017	-17	17	985	0	985	16.6	643.00	1699
May 2020	962	-11	22	928	0	928	15.1	643.00	1699
Jun 2020	936	-16	25	894	0	894	15.0	643.00	1699
Jul 2020	806	-12	25	796	0	796	12.9	642.00	1671
Aug 2020	753	-11	23	719	0	719	11.7	642.00	1671
Sep 2020	687	-12	18	711	0	711	11.9	640.01	1618
WY 2020	8795	-180	198	8372	0	8372			
Oct 2020	491	-4	15	656	0	656	10.7	633.00	1434
Nov 2020	608	-19	10	527	0	527	8.9	635.00	1486
Dec 2020	526	-12	9	386	0	386	6.3	639.51	1604
Jan 2021	544	-16	10	456	0	456	7.4	641.80	1666
Feb 2021	647	-13	10	624	0	624	11.2	641.80	1666
Mar 2021	964	-15	13	901	0	901	14.7	643.05	1700
Apr 2021	1039	-17	17	1007	0	1007	16.9	643.00	1699
May 2021	981	-11	22	948	0	948	15.4	643.00	1699
Jun 2021	922	-16	25	880	0	880	14.8	643.00	1699
Jul 2021	831	-12	25	822	0	822	13.4	642.00	1671
Aug 2021	746	-11	23	712	0	712	11.6	642.00	1671
Sep 2021	704	-12	18	728	0	728	12.2	640.01	1618
WY 2021	9004	-159	197	8647	0	8647			
Oct 2021	479	0	15	648	0	648	10.5	633.00	1434

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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)
* Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
H Dec 2018	386	26	7	218	3.5	70	143	446.53	552	105	1.7
I Jan 2019	418	19	6	250	4.1	87	91	446.58	553	122	2.0
S Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
T Mar 2019	749	-5	9	630	10.2	11	83	447.86	577	185	3.0
O Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
R 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
C Jul 2019	894	15	17	739	12.0	59	92	448.12	582	146	2.4
A Aug 2019	800	15	17	636	10.3	67	102	447.22	565	111	1.8
L Sep 2019	767	26	15	514	8.6	61	160	449.03	600	103	1.7
WY 2019	8539	174	140	6231		690	1571			1515	
* Oct 2019	589	19	12	430	7.0	30	151	447.77	576	67	1.1
Nov 2019	500	14	9	353	5.9	14	137	447.50	571	88	1.5
Dec 2019	354	22	7	295	4.8	42	46	446.50	552	83	1.4
Jan 2020	425	18	6	262	4.3	95	76	446.50	552	122	2.0
Feb 2020	591	11	8	431	7.5	85	71	446.50	552	148	2.6
Mar 2020	881	5	9	705	11.5	18	142	446.70	555	186	3.0
Apr 2020	985	12	11	728	12.2	74	136	448.70	593	172	2.9
May 2020	928	13	13	695	11.3	77	144	448.70	593	116	1.9
Jun 2020	894	11	16	718	12.1	74	84	448.70	593	124	2.1
Jul 2020	796	19	17	677	11.0	77	44	448.00	580	131	2.1
Aug 2020	719	20	17	599	9.7	77	44	447.50	571	102	1.7
Sep 2020	711	14	15	508	8.5	74	117	447.50	570	93	1.6
WY 2020	8372	177	140	6403		736	1192			1432	
Oct 2020	656	24	12	486	7.9	30	144	447.50	571	63	1.0
Nov 2020	527	14	9	359	6.0	29	139	447.50	571	96	1.6
Dec 2020	386	22	7	310	5.0	30	75	446.50	552	106	1.7
Jan 2021	456	18	6	262	4.3	100	102	446.50	552	122	2.0
Feb 2021	624	11	8	430	7.7	90	100	446.50	552	148	2.7
Mar 2021	901	5	9	704	11.4	23	158	446.70	555	186	3.0
Apr 2021	1007	12	11	726	12.2	80	153	448.70	593	172	2.9
May 2021	948	13	13	694	11.3	83	158	448.70	593	116	1.9
Jun 2021	880	11	16	717	12.0	80	65	448.70	593	124	2.1
Jul 2021	822	19	17	676	11.0	83	65	448.00	580	131	2.1
Aug 2021	712	20	17	598	9.7	83	32	447.50	571	102	1.7
Sep 2021	728	14	15	508	8.5	80	129	447.50	570	93	1.6
WY 2021	8647	182	139	6470		793	1319			1459	
Oct 2021	648	0	12	474	7.7	36	119	447.50	571	63	1.0

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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
* Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
H Dec 2018	453	7.6	1081.46	10132	260	438.59	959.9	179.6	61	396.6
I Jan 2019	487	7.9	1085.75	10493	361	442.10	1006.1	183.4	63	376.8
S Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
T Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
O Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
R 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
C Jul 2019	946	15.4	1082.82	10246	-159	435.56	1486.0	371.7	93	392.7
A Aug 2019	802	13.0	1083.45	10299	53	439.02	1297.0	313.5	81	390.9
L Sep 2019	696	11.7	1083.00	10261	-38	439.88	1494.1	267.4	93	384.4
WY 2019	8877							3494.1		
* Oct 2019	626	10.2	1082.61	10228	-33	439.17	1198.0	241.9	74	386.2
Nov 2019	549	9.2	1083.52	10305	76	435.14	1192.0	212.9	75	388.1
Dec 2019	375	6.1	1087.80	10668	363	437.50	1213.0	143.6	74	382.6
Jan 2020	527	8.6	1090.81	10927	259	440.70	1152.1	204.9	70	389.2
Feb 2020	614	10.7	1092.06	11036	109	443.24	948.0	245.8	57	400.5
Mar 2020	944	15.3	1089.49	10813	-222	441.02	1117.0	383.4	68	406.2
Apr 2020	1017	17.1	1085.10	10438	-375	435.36	1365.9	402.3	85	395.5
May 2020	962	15.6	1080.87	10083	-355	430.13	1480.0	376.0	94	390.8
Jun 2020	936	15.7	1076.85	9752	-331	425.40	1552.0	361.0	100	385.8
Jul 2020	806	13.1	1075.99	9681	-71	423.30	1552.0	309.7	100	384.5
Aug 2020	753	12.2	1076.93	9758	77	423.66	1552.0	287.7	100	382.1
Sep 2020	687	11.6	1076.03	9685	-73	424.33	1552.0	261.4	100	380.2
WY 2020	8795							3430.6		
Oct 2020	491	8.0	1077.89	9837	153	430.57	1054.0	192.0	67	390.7
Nov 2020	608	10.2	1078.20	9862	25	433.93	1054.0	239.2	67	393.3
Dec 2020	526	8.6	1080.42	10046	184	433.05	1066.0	201.8	68	383.7
Jan 2021	544	8.8	1084.45	10383	337	433.94	1081.0	210.0	68	386.2
Feb 2021	647	11.7	1086.19	10531	148	436.80	978.1	258.0	61	398.6
Mar 2021	964	15.7	1084.45	10383	-147	432.48	1554.1	378.3	97	392.5
Apr 2021	1039	17.5	1080.63	10063	-320	430.64	1330.8	407.6	85	392.4
May 2021	981	16.0	1077.02	9766	-298	426.01	1453.9	380.7	94	388.0
Jun 2021	922	15.5	1074.27	9542	-224	422.21	1532.6	352.3	100	382.2
Jul 2021	831	13.5	1074.26	9541	-1	421.17	1532.6	319.0	100	383.8
Aug 2021	746	12.1	1076.04	9685	144	422.37	1542.6	284.0	100	380.6
Sep 2021	704	11.8	1075.74	9662	-24	423.75	1541.0	268.2	100	380.8
WY 2021	9004							3491.2		
Oct 2021	479	7.8	1076.81	9748	87	429.89	1043.9	186.6	67	389.2

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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
* Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
H Dec 2018	386	6.3	640.79	1639	58	140.00	153.0	47.3	60	122.5
I Jan 2019	418	6.8	641.89	1668	30	143.26	159.6	56.8	63	135.8
S Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
T Mar 2019	749	12.2	642.57	1687	-17	140.17	218.8	94.8	86	126.6
O Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
R 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
C Jul 2019	895	14.5	643.48	1712	16	142.50	255.0	113.2	100	126.5
A Aug 2019	800	13.0	642.31	1680	-32	139.60	255.0	101.8	100	127.3
L Sep 2019	767	12.9	638.35	1573	-107	137.20	255.0	96.0	100	125.1
WY 2019	8538							1079.9		
* Oct 2019	589	9.6	638.28	1572	-2	138.85	243.5	73.2	95	124.4
Nov 2019	500	8.4	639.01	1591	19	137.47	153.0	61.9	60	123.9
Dec 2019	354	5.7	639.01	1591	0	139.04	156.3	44.3	61	125.3
Jan 2020	425	6.9	641.80	1666	75	139.89	156.3	53.6	61	126.0
Feb 2020	591	10.3	641.80	1666	0	139.83	156.5	74.4	61	126.0
Mar 2020	881	14.3	643.05	1700	34	138.91	194.1	110.3	76	125.2
Apr 2020	985	16.6	643.00	1699	-1	138.75	249.9	123.2	98	125.0
May 2020	928	15.1	643.00	1699	0	139.22	255.0	116.4	100	125.4
Jun 2020	894	15.0	643.00	1699	0	139.24	255.0	112.2	100	125.4
Jul 2020	796	12.9	642.00	1671	-27	139.49	255.0	100.0	100	125.7
Aug 2020	719	11.7	642.00	1671	0	139.47	255.0	90.3	100	125.7
Sep 2020	711	11.9	640.01	1618	-54	138.38	255.0	88.6	100	124.7
WY 2020	8372							1048.4		
Oct 2020	656	10.7	633.00	1434	-183	134.37	227.0	79.4	89	121.1
Nov 2020	527	8.9	635.00	1486	51	132.62	159.8	63.0	63	119.5
Dec 2020	386	6.3	639.51	1604	118	137.04	154.7	47.6	61	123.5
Jan 2021	456	7.4	641.80	1666	62	139.92	156.3	57.4	61	126.1
Feb 2021	624	11.2	641.80	1666	0	139.44	156.6	78.4	61	125.6
Mar 2021	901	14.7	643.05	1700	34	138.80	194.1	112.7	76	125.0
Apr 2021	1007	16.9	643.00	1699	-1	138.63	249.9	125.7	98	124.9
May 2021	948	15.4	643.00	1699	0	139.11	255.0	118.8	100	125.3
Jun 2021	880	14.8	643.00	1699	0	139.32	255.0	110.5	100	125.5
Jul 2021	822	13.4	642.00	1671	-27	139.33	255.0	103.1	100	125.5
Aug 2021	712	11.6	642.00	1671	0	139.50	255.0	89.5	100	125.7
Sep 2021	728	12.2	640.01	1618	-54	138.26	255.0	90.6	100	124.6
WY 2021	8647							1076.9		
Oct 2021	648	10.5	633.00	1434	-183	134.43	227.0	78.5	89	121.1

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 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
* Nov 2018	357	6.0	447.99	580	-3	82.25	93.0	26.1	78	73.0
H Dec 2018	218	3.5	446.53	552	-27	81.03	116.1	12.9	97	59.1
I Jan 2019	250	4.1	446.58	553	1	82.75	117.1	17.0	98	68.2
S Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
T Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
O Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
R 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
C Jul 2019	739	12.0	448.12	582	-7	80.11	120.0	51.4	100	69.5
A Aug 2019	636	10.3	447.22	565	-17	77.13	120.0	44.3	100	69.7
L Sep 2019	514	8.6	449.03	600	34	83.07	120.0	35.9	100	69.8
WY 2019	6211							433.7		
* Oct 2019	430	7.0	447.77	576	-24	83.21	90.0	30.2	75	70.1
Nov 2019	353	5.9	447.50	571	-5	76.27	93.0	23.0	78	65.0
Dec 2019	295	4.8	446.50	552	-19	74.65	114.2	18.6	95	62.9
Jan 2020	262	4.3	446.50	552	0	75.07	94.8	16.4	79	62.7
Feb 2020	431	7.5	446.50	552	0	75.16	93.1	28.0	78	65.1
Mar 2020	705	11.5	446.70	555	4	74.01	120.0	45.8	100	64.9
Apr 2020	728	12.2	448.70	593	38	75.08	120.0	47.9	100	65.9
May 2020	695	11.3	448.70	593	0	76.05	120.0	46.2	100	66.5
Jun 2020	718	12.1	448.70	593	0	76.05	120.0	47.8	100	66.6
Jul 2020	677	11.0	448.00	580	-13	75.71	120.0	44.8	100	66.1
Aug 2020	599	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.5
Sep 2020	508	8.5	447.50	570	0	74.89	120.0	33.0	100	65.0
WY 2020	6403							421.0		
Oct 2020	486	7.9	447.50	571	0	76.29	90.0	32.1	75	66.1
Nov 2020	359	6.0	447.50	571	0	76.19	92.0	23.3	77	65.0
Dec 2020	310	5.0	446.50	552	-19	74.86	109.4	19.7	91	63.3
Jan 2021	262	4.3	446.50	552	0	75.07	94.8	16.4	79	62.7
Feb 2021	430	7.7	446.50	552	0	75.21	92.1	28.1	77	65.2
Mar 2021	704	11.4	446.70	555	4	74.01	120.0	45.7	100	64.9
Apr 2021	726	12.2	448.70	593	38	75.08	120.0	47.8	100	65.9
May 2021	694	11.3	448.70	593	0	76.05	120.0	46.1	100	66.5
Jun 2021	717	12.0	448.70	593	0	76.05	120.0	47.7	100	66.6
Jul 2021	676	11.0	448.00	580	-13	75.71	120.0	44.7	100	66.1
Aug 2021	598	9.7	447.50	571	-9	75.13	120.0	39.1	100	65.4
Sep 2021	508	8.5	447.50	570	0	74.89	120.0	33.0	100	65.0
WY 2021	6470							423.8		
Oct 2021	474	7.7	447.50	571	0	76.14	92.9	31.2	77	65.8

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*
Upper Basin Power



— BUREAU OF —
RECLAMATION

Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Nov 2018	248	36	5	4	2	5
H Dec 2018	313	47	5	6	2	5
I Jan 2019	335	47	4	6	1	4
S Feb 2019	302	42	6	8	1	3
T Mar 2019	325	22	6	9	4	3
Winter 2019	1790	233	36	51	19	24
O Apr 2019	294	27	9	14	10	4
R May 2019	299	38	23	45	21	6
I Jun 2019	332	82	33	64	22	8
C Jul 2019	391	39	28	54	23	7
A Aug 2019	412	42	24	49	22	7
L Sep 2019	312	44	15	22	18	2
Summer 2019	2041	273	131	248	115	34
* Oct 2019	281	31	26	27	18	5
Nov 2019	268	32	21	25	13	5
Dec 2019	319	49	25	31	15	5
Jan 2020	322	48	17	21	11	5
Feb 2020	284	45	15	19	10	4
Mar 2020	294	37	6	19	10	4
Winter 2020	1767	242	109	142	77	29
Apr 2020	264	36	19	28	15	5
May 2020	266	27	57	82	23	6
Jun 2020	281	87	11	19	14	9
Jul 2020	328	32	23	29	15	10
Aug 2020	364	41	23	28	15	8
Sep 2020	260	39	21	26	13	2
Summer 2020	1763	262	155	213	95	39
Oct 2020	277	31	20	24	13	7
Nov 2020	276	30	5	7	4	6
Dec 2020	309	42	12	16	8	5
Jan 2021	366	42	12	16	8	5
Feb 2021	318	37	10	12	0	4
Mar 2021	337	30	0	15	8	5
Winter 2021	1883	212	60	90	41	32
Apr 2021	298	29	0	25	14	5
May 2021	303	30	2	81	23	7
Jun 2021	328	80	13	22	16	9
Jul 2021	378	32	28	34	19	10
Aug 2021	399	41	31	36	19	8
Sep 2021	296	39	27	32	16	2
Summer 2021	1706	212	74	198	91	38
Oct 2021	282	31	28	33	17	7

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



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2019 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	Total	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Nov 2019	447	147	334	11288	12217	17149	29366	447	147	334	929	11288	17149	29366	3810	549	0	31.1
Dec 2019	487	187	349	11492	12515	17072	29588	487	187	349	1023	11492	17072	29588	4580	375	0	31.0
Jan 2020	581	245	358	11768	12952	16709	29662	581	245	358	1184	11768	16709	29662	5350	527	0	30.9
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2020	581	245	358	11768	12952	16709	29662	231	93	317	641	11768	16709	29118	5350	527	0	30.9
Feb 2020	670	274	366	12069	13379	16450	29829	320	123	324	767	12069	16450	29286	1500	614	0	30.7
Mar 2020	748	302	366	12273	13690	16341	30031	397	151	324	872	12273	16341	29487	1500	944	0	30.4
Apr 2020	759	316	345	12430	13850	16564	30414	404	166	295	865	12430	16564	29859	1500	1017	0	30.2
May 2020	738	321	324	12339	13722	16939	30661	377	169	250	796	12339	16939	30074	1500	962	0	30.8
Jun 2020	604	376	247	11541	12768	17294	30062	231	210	133	574	11541	17294	29408	1500	936	0	32.0
Jul 2020	498	195	196	10313	11202	17625	28827	113	14	25	151	10313	17625	28089	1500	806	0	32.0
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2020	404	174	233	10325	11136	17696	28832	404	174	233	811	10325	17696	28832	1500	753	0	31.6
Sep 2020	453	189	269	10651	11561	17619	29180	453	189	269	910	10651	17619	29180	2270	687	0	31.2
Oct 2020	516	216	310	10779	11821	17692	29513	516	216	310	1042	10779	17692	29513	3040	491	0	31.0
Nov 2020	550	246	310	10905	12011	17540	29550	550	246	310	1106	10905	17540	29550	3810	608	0	30.8
Dec 2020	585	232	316	11087	12220	17515	29735	585	232	316	1133	11087	17515	29735	4580	526	0	30.7
Jan 2021	665	247	327	11350	12588	17331	29920	665	247	327	1239	11350	17331	29920	5350	544	0	30.7
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2021	665	247	327	11350	12588	17331	29920	399	247	119	766	11350	17331	29447	5350	544	0	30.7
Feb 2021	739	264	340	11726	13069	16994	30063	472	264	132	868	11726	16994	29588	1500	647	0	30.5
Mar 2021	799	272	342	12004	13416	16846	30263	531	272	133	935	12004	16846	29786	1500	964	0	30.2
Apr 2021	784	272	303	12203	13562	16994	30555	511	272	86	870	12203	16994	30066	1500	1039	0	30.2
May 2021	738	258	229	12061	13286	17314	30599	458	258	-12	704	12061	17314	30079	1500	981	0	31.4
Jun 2021	588	252	234	10770	11844	17611	29455	295	247	-47	495	10770	17611	28877	1500	922	0	32.9
Jul 2021	430	54	369	9284	10138	17835	27973	123	27	31	180	9284	17835	27300	1500	831	0	33.0
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2021	326	28	400	9222	9976	17836	27812	326	28	400	755	9222	17836	27812	1500	746	0	32.7
Sep 2021	362	54	421	9563	10401	17692	28093	362	54	421	838	9563	17692	28093	2270	704	0	32.3
Oct 2021	426	93	427	9751	10698	17715	28413	426	93	427	947	9751	17715	28413	3040	479	0	32.0

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