July 24-Month Study
Date: July 15, 2019

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

Current Reservoir Status

Reservoir	June Inflow (unregulated) (acre-feet)	Percent of Average (%)	July 14, Midnight Elevation (feet)	July 14, Midnight Reservoir Storage (acre-feet)
Fontenelle	337,000	113	6,497.24	277,700
Flaming Gorge	460,000	118	6,034.09	3,510,000
Blue Mesa	471,000	180	7,517.08	808,600
Navajo	491,000	220	6,075.19	1,554,000
Powell	4,206,000	158	3,619.66	13,727,000

Expected Operations

The operation of Lake Powell and Lake Mead in this July 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 draft 2019 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2018 24-Month Study projections of the January 1, 2019, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2019.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2019 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2019, the April 2019 24-Month Study projected 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. Therefore, in accordance with Section 6.B.4 of the Interim Guidelines, Lake Powell operations shifted to balancing releases for the remainder of water year 2019. Under Section 6.B.4, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this July 24-Month Study projects a balancing release of 9.0 maf in water year 2019; however, the actual release in water year 2019 will depend on hydrology in the remainder of the water year

and will range between 8.23 and 9.0 maf. The projected release from Lake Powell in water year 2019 will be updated each month throughout the remainder of the water year.

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 Interim Guidelines are available for download at:
https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.
The draft 2019 AOP is available for download at:
https://www.usbr.gov/lc/region/g4000/AOP2019/AOP19_draft.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6494.58 feet, which amounts to 75 percent of live storage capacity. Inflows for the month of June totaled 337,000 acre-feet (af) or 113 percent of average. Releases are currently ramping down to pass lower spring runoff and will continue until the middle of July. Releases are expected to be between 1000 cfs – 1500 cfs. This will continue through the later part of July and early part of August to increase the pool elevation to optimize a bathymetric survey.

The Colorado Basin River Forecast Center has forecasted inflows that are near average. July, August, and September forecasted inflow volumes amount to 207,000 af (117 percent of average), 77,000 af (101 percent of average), and 55,000 af (120 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for August 22, 2019. The meeting will be held at the Water Treatment Facility, 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 – Reclamation has completed the Larval Trigger Study Plan (LTSP) and achieved 10 days at the targeted flows. This was achieved by using full powerplant releases and supplemented with full to partial bypass with most of the flow provided by the Yampa River to attain flows between to 18,600 cfs to 20,300 cfs at the USGS Jensen gage. The Colorado Pikeminnow base flow study will be next and will be initiated in the upcoming weeks. Targeted flows at the USGS Jensen gage with the combination of Flaming Gorge releases and Yampa River flows will be between 2000 cfs to 2600 cfs. Releases from Flaming Gorge Dam will depend on how much flow is provided by the Yampa River.

The July final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: July, August, and September forecasted unregulated inflow volumes at 268,000 af (128 percent of average), 95,000 af (107 percent of average), and 60,000 af (109 percent of average), respectively.

Reclamation will be holding the Flaming Gorge Working Group meeting on August 15th at 10 a.m. in Price, Utah County Event Center (310 South Fairgrounds Road). 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 July 10, 2019 releases from Crystal Dam are approximately 3,000 cfs. Uncompahgre Valley Water Users Association is diverting approximately 875 cfs through the Gunnison Tunnel and flows in the Black Canyon are about 2,170 cfs. Releases from Aspinall are currently being managed to control the storage of water in Blue Mesa Reservoir. By the end of July, Blue Mesa should be very nearly full.

Inflows to Blue Mesa were very significant in May and June and have continued into July. On July 10, 2019, the inflow to Blue Mesa was 4,559 cfs and the water surface elevation of Blue Mesa was 7,515,49 feet which is less than 4 feet from the maximum water surface elevation. By the end of July, Blue Mesa Reservoir is projected to be very nearly full at an elevation of approximately 7519 feet which is within 0.4 feet of full capacity. This elevation corresponds to a storage level in Blue Mesa Reservoir of approximately 826,500 acre-feet which is 99.6 percent of full capacity.

The June unregulated inflow to Blue Mesa Reservoir was 470,900 af (180 percent of average). Unregulated Inflows to Blue Mesa for the next three months (July, August and September) are projected to be: 253,000 af (216 percent of average), 85,000 af (134 percent of average) and 52,000 af (137 percent of average), respectively. The July 24-Month Study is reflective of these new forecasts. The water year unregulated inflow forecast volume for 2019 is 1,328 kaf which is 139 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 Tuesday, August 15, 2019 at 1:00 pm at the Elk Creek Visitor Center at Blue Mesa Reservoir.

Navajo Reservoir – On July 7th, the daily average release rate from Navajo Dam was approximately 830 cfs while reservoir inflow (modified unregulated) was averaging approximately 3,150 cfs. The water surface elevation was 6074.3 feet above sea level. At this elevation the live storage is 1.54 maf (91 percent of live storage capacity) and the active storage is 0.88 maf (85 percent of active storage capacity). NIIP was diverting 647 cfs from the reservoir. The river flow measured at the San Juan River at Four Corners USGS gage was 4,280 cfs. River flow at the Animas River at Farmington USGS gage was at 3,340 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 June was 491 kaf (220 percent of average for the month).

Forecast modified-unregulated inflow to Navajo over the next three months (July, August and September) are projected to be: 129 kaf (196 percent of average), 45 kaf (100 percent of average), and 43 kaf (100 percent of average), respectively.

The April through July runoff forecasts are as follows: Min Probable: 1,100 kaf (149 percent of average) Most Probable: 1,120 kaf (152 percent of average) Max Probable: 1,160 kaf (157 percent of average)

A maintenance release was conducted from Navajo Dam from June 3rd through June 15th. The release peaked at 5,000 cfs on June 12th. The reservoir is likely to peak in the next several days at an elevation near 6075.5 ft.

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, August 20, 2019 at 1:00 pm at the Farmington Civic Center (200 West Arrington, Farmington, NM).

Glen Canyon Dam / Lake Powell

Current Status
The Department of the Interior is conducting the first experimental flow at Glen Canyon Dam since implementing its Long-Term Experimental and Management Plan (LTEMP). The goal is to provide enhanced habitat for the lifecycle of aquatic insects that are the primary food source for fish in the Colorado River.

Experiments under LTEMP consist of four different flow regimes: high flows, bug flows, trout management flows, and low summer flows. Collaborative discussions among technical experts resulted in a decision to begin this first experiment on May 1 and continue through August 31, 2018. This experiment is being continued for 2019, same time period, (May – August). It will slightly modify the schedule and flow rates of water releases from Lake Powell through Glen Canyon Dam, Arizona. The normally scheduled monthly and weekly release volumes will not be affected.

Flows during the experiment will include steady weekend water releases with routine hydropower production flows on weekdays that include normal hourly changes in release rates. Those steady weekend flows are expected to provide favorable conditions for aquatic insects to lay and cement their eggs to rocks, vegetation, and other materials near the river's edge. Steady weekend flows will be relatively low, within four inches of typical weekday low water levels. It is unlikely casual recreational river users will notice the changes in water levels.

Insects expected to benefit from this experiment are an important food source for many species of fish, birds, and bats in the canyon. Beyond expected resource benefits, this experiment will also provide scientific information that will be used in future decision making.

The unregulated inflow volume to Lake Powell during June was 4.21 (maf) (158 percent of average). The release volume from Glen Canyon Dam in June was 765 thousand acre-feet (kaf). The end of June elevation and storage of Lake Powell were 3,612 ft (88 feet from full pool) and 12.91 maf (53 percent of full capacity), respectively.

Current Operations

The operating tier for water year 2019 was established in August 2018 as the Upper Elevation Balancing Tier. As described in the Interim Guidelines, under balancing, the contents of Lake Powell and Lake Mead are to be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf is to be released from Lake Powell. Under this Tier the initial annual water year release volume is 8.23 maf, and the April 2019 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 have shifted to balancing releases for the remainder of water year 2019. Lake Powell is currently projected to release 9.0 maf in water year 2019; and this projection will be updated each month throughout the remainder of the water year.

In July, the release volume will be approximately 860 kaf, with fluctuations anticipated between about 12,100 cfs in the nighttime to about 15,560 cfs in the daytime with 12,857 cfs steady releases during the weekend, and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for August is 900 kaf with daily fluctuations between approximately 11,000 cfs and 19,000 cfs with weekend steady flows of 11,750 cfs. The expected release for September is 683 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 2019 unregulated inflow to Lake Powell, issued on July 2, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 13.82 maf (128 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 April forecast ranges from a minimum probable of 9.68 maf (89 percent of average) to a maximum probable of 15.26 maf (141 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 July 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,623.86 feet with approximately 14.18 maf in storage (58 percent of capacity). Note that projections of elevation and storage for water year 2019 have significant uncertainty at this point in the season. Projections of end of water year 2019 elevation and storage using the minimum and maximum probable inflow forecast from April 2019 are 3,590.25 feet (10.84 maf, 46 percent of capacity) and 3,632.38 feet (15.12 maf, 65 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 2019 is projected to be 9.0 maf under the July most probable scenario, and 9.0 maf under the April maximum and minimum probable inflow scenarios.

Upper Colorado River Basin Hydrology

Upper Colorado River Basin regularly experiences significant year to year hydrologic

variability. During the 19-year period 2000 to 2018, 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 2000-2018 is the lowest 19-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.54 maf, or 79 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 2000-2018 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 2019 unregulated inflow to Lake Powell is projected to be 13.82 maf (128 percent of average).

At the beginning of water year 2019, total system storage in the Colorado River Basin was 28.01 maf (47 percent of 59.6 maf total system capacity). This is a decrease of 4.91 maf over the total storage at the beginning of water year 2018 when total system storage was 32.92 maf (55 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 47 percent of capacity at the beginning of water year 2019. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2019 is approximately 32.5 maf (54 percent of total system capacity). The actual end of water year 2019 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
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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			jun	Forecast			Outlook	
:	mar	apr	may	jun	%Avg	jul	aug	sep	apr-jul %Avg
GLDA3:Lake Powell	624	1242	2511	4206	158%:	2640/	750/	550/	10600/: 148%
GBRW4:Fontenelle	37	114	167	337	113%:	207/	77/	50/	825/: 114%
GRNU1:Flaming Gorge	74	240	252	460	118%:	268/	95/	60/	1220/: 124%
BMDC2:Blue Mesa	28	122	214	471	180%:	253/	85/	52/	1060/: 157%
MPSC2:Morrow Point	29	136	240	512	182%:	272/	90/	55/	1160/: 157%
CLSC2:Crystal	34	150	264	558	177%:	305/	95/	60/	1280/: 153%
TPIC2:Taylor Park	4.7	10.5	21	68	163%:	40/	14/	9/	140/: 141%
VCRC2:Vallecito	5.6	32	58	160	227%:	49/	23/	18/	300/: 155%
NVRN5:Navajo	114	230	270	491	220%:	129/	45/	43/	1120/: 152%
LEMC2:Lemon	0.77	5.8	12.1	46	221%:	14/	5/	4/	78/: 142%
MPHC2:McPhee	10.8	105	116	181	242%:	53/	16/	12/	455/: 154%
RBSC2:Ridgway	5.8	10.9	15.9	50	127%:	45/	18/	10/	121/: 120%
YDLC2:Deerlodge	50	260	458	640	156%:	202/	30/	15/	1560/: 126%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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)
*	Jul 2018	138	3	92	8	100	6503.79	327
H	Aug 2018	50	2	75	1	76	6500.10	299
I	Sep 2018	30	2	7	58	65	6495.11	262
	WY 2018	**1397**	**15**	**856**	**528**	**1382**		
S	Oct 2018	42	1	45	20	65	6491.62	238
T	Nov 2018	38	1	60	0	60	6488.29	216
O	Dec 2018	30	1	61	1	61	6483.19	184
R	Jan 2019	28	1	61	0	61	6476.81	150
I	Feb 2019	26	0	55	1	56	6470.41	120
C	Mar 2019	37	0	61	0	61	6464.13	95
A	Apr 2019	114	1	71	0	71	6474.10	137
L	May 2019	167	1	98	0	98	6486.46	204
*	Jun 2019	337	2	107	171	278	6494.89	261
	Jul 2019	207	3	103	14	117	6506.40	349
	Aug 2019	77	2	89	0	89	6504.65	335
	Sep 2019	50	2	36	39	74	6501.27	309
	WY 2019	**1153**	**15**	**848**	**245**	**1093**		
	Oct 2019	49	1	77	0	77	6497.39	280
	Nov 2019	44	1	74	0	74	6493.02	248
	Dec 2019	37	1	77	0	77	6486.90	208
	Jan 2020	32	1	77	0	77	6479.19	162
	Feb 2020	30	0	72	0	72	6470.23	120
	Mar 2020	48	0	71	0	71	6464.28	96
	Apr 2020	75	1	76	0	76	6463.77	94
	May 2020	155	1	95	9	105	6475.47	144
	Jun 2020	275	2	101	28	129	6498.57	288
	Jul 2020	170	3	103	30	132	6503.17	323
	Aug 2020	65	2	103	2	105	6497.66	282
	Sep 2020	45	2	21	74	95	6490.17	230
	WY 2020	**1025**	**14**	**947**	**142**	**1090**		
	Oct 2020	48	1	61	0	61	6487.99	215
	Nov 2020	42	1	60	0	60	6485.14	197
	Dec 2020	32	1	61	0	61	6480.00	167
	Jan 2021	30	0	61	0	61	6473.60	135
	Feb 2021	28	0	56	0	56	6466.98	107
	Mar 2021	53	0	61	0	61	6464.58	97
	Apr 2021	85	1	85	0	85	6464.48	97
	May 2021	164	1	96	8	105	6477.77	155
	Jun 2021	299	2	101	73	174	6497.25	279

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

Model Run ID: 3096

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July 2019 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)
*	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
H	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
I	Sep 2018	17	52	11	119	0	119	136	6030.75	3378	132
	WY 2018	**1594**	**1580**	**82**	**1608**	**7**	**1616**				**2638**
S	Oct 2018	52	75	7	99	0	99	135	6029.99	3349	131
T	Nov 2018	41	63	4	93	0	93	133	6029.15	3316	121
O	Dec 2018	29	60	2	124	0	124	131	6027.49	3253	153
R	Jan 2019	34	68	2	124	0	124	129	6026.01	3198	154
I	Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
C	Mar 2019	74	99	3	58	0	58	128	6025.67	3185	128
A	Apr 2019	240	198	5	71	0	71	133	6028.79	3303	341
L	May 2019	252	183	8	99	0	99	136	6030.71	3376	568
*	Jun 2019	460	400	11	215	100	315	139	6032.55	3448	950
	Jul 2019	268	178	14	109	0	109	141	6033.88	3501	311
	Aug 2019	95	107	13	132	0	132	139	6032.95	3464	162
	Sep 2019	60	84	12	128	0	128	137	6031.60	3411	143
	WY 2019	**1640**	**1579**	**83**	**1362**	**100**	**1462**				**3306**
	Oct 2019	63	91	8	93	0	93	137	6031.35	3402	123
	Nov 2019	60	90	4	77	0	77	137	6031.59	3411	110
	Dec 2019	40	80	2	128	0	128	135	6030.35	3363	155
	Jan 2020	46	91	2	163	0	163	132	6028.50	3292	187
	Feb 2020	49	91	2	152	0	152	130	6026.88	3230	176
	Mar 2020	98	121	3	126	0	126	130	6026.67	3223	197
	Apr 2020	135	136	5	122	0	122	130	6026.92	3232	337
	May 2020	230	180	8	68	0	68	134	6029.55	3332	608
	Jun 2020	340	194	10	243	0	243	132	6028.05	3274	693
	Jul 2020	200	162	14	123	0	123	133	6028.70	3299	198
	Aug 2020	74	114	13	123	0	123	132	6028.14	3278	144
	Sep 2020	50	100	11	117	0	117	131	6027.43	3251	132
	WY 2020	**1385**	**1450**	**80**	**1536**	**0**	**1536**				**3061**
	Oct 2020	55	69	7	68	0	68	131	6027.28	3245	96
	Nov 2020	50	67	3	67	0	67	130	6027.19	3242	97
	Dec 2020	35	64	2	117	0	117	128	6025.80	3190	142
	Jan 2021	40	72	2	117	0	117	127	6024.58	3145	142
	Feb 2021	45	72	2	104	0	104	125	6023.70	3113	132
	Mar 2021	102	111	3	61	0	61	127	6024.93	3158	138
	Apr 2021	134	133	5	60	0	60	130	6026.71	3224	275
	May 2021	245	186	8	71	0	71	134	6029.42	3327	603
	Jun 2021	390	264	11	238	18	256	134	6029.37	3325	676

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

Model Run ID: 3096

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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)
*	Jul 2018	5	14	9311.71	73
H	Aug 2018	3	13	9305.51	63
I	Sep 2018	3	8	9301.71	58
	WY 2018	**88**	**108**		
S	Oct 2018	5	3	9302.60	59
T	Nov 2018	3	3	9302.61	59
O	Dec 2018	4	3	9302.74	59
R	Jan 2019	4	3	9302.92	59
I	Feb 2019	3	3	9303.16	60
C	Mar 2019	5	4	9303.75	60
A	Apr 2019	10	7	9306.14	64
L	May 2019	21	26	9302.64	59
*	Jun 2019	68	38	9320.92	89
	Jul 2019	40	28	9327.23	101
	Aug 2019	14	24	9321.87	90
	Sep 2019	9	23	9314.18	77
	WY 2019	**185**	**166**		
	Oct 2019	8	9	9313.32	75
	Nov 2019	7	8	9312.95	75
	Dec 2019	6	5	9313.74	76
	Jan 2020	5	5	9313.97	76
	Feb 2020	5	4	9314.38	77
	Mar 2020	5	7	9313.35	75
	Apr 2020	8	10	9312.44	74
	May 2020	30	25	9315.40	79
	Jun 2020	40	19	9327.04	100
	Jul 2020	17	23	9323.90	94
	Aug 2020	9	23	9316.44	81
	Sep 2020	7	22	9307.25	66
	WY 2020	**147**	**158**		
	Oct 2020	6	9	9305.50	63
	Nov 2020	5	7	9303.83	61
	Dec 2020	5	5	9303.83	61
	Jan 2021	4	5	9303.65	60
	Feb 2021	4	4	9303.30	60
	Mar 2021	4	7	9301.68	57
	Apr 2021	9	10	9301.14	57
	May 2021	28	13	9311.30	72
	Jun 2021	42	19	9324.41	95

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

Model Run ID: 3096

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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)
*	Jul 2018	21	31	1	101	0	101	7464.43	399
H	Aug 2018	19	28	1	93	0	93	7453.77	334
I	Sep 2018	12	17	1	30	39	68	7444.44	282
	WY 2018	**433**	**453**	**7**	**856**	**39**	**895**		
S	Oct 2018	23	22	0	46	11	56	7437.59	248
T	Nov 2018	22	21	0	19	0	19	7438.08	250
O	Dec 2018	20	19	0	21	0	21	7437.82	249
R	Jan 2019	20	20	0	17	0	17	7438.40	252
I	Feb 2019	20	20	0	23	0	23	7437.59	248
C	Mar 2019	28	27	0	25	0	25	7438.01	250
A	Apr 2019	121	118	0	33	0	33	7453.91	335
L	May 2019	214	218	1	86	18	105	7471.68	447
*	Jun 2019	471	444	1	124	70	194	7504.14	696
	Jul 2019	253	241	2	108	0	108	7519.09	827
	Aug 2019	85	95	1	108	32	140	7513.96	781
	Sep 2019	52	66	1	104	4	108	7509.00	737
	WY 2019	**1328**	**1311**	**8**	**713**	**136**	**849**		
	Oct 2019	46	47	1	82	0	82	7504.87	702
	Nov 2019	38	39	0	77	0	77	7500.20	663
	Dec 2019	33	32	0	110	0	110	7490.42	585
	Jan 2020	30	30	0	53	0	53	7487.33	561
	Feb 2020	26	25	0	39	0	39	7485.45	546
	Mar 2020	38	40	0	36	0	36	7485.88	550
	Apr 2020	73	75	1	54	0	54	7488.51	570
	May 2020	220	215	1	204	53	257	7482.77	526
	Jun 2020	275	254	1	72	0	72	7505.45	707
	Jul 2020	97	103	2	67	0	67	7509.48	741
	Aug 2020	54	68	1	76	0	76	7508.36	732
	Sep 2020	40	55	1	87	0	87	7504.46	698
	WY 2020	**970**	**981**	**9**	**958**	**53**	**1011**		
	Oct 2020	40	42	1	59	0	59	7502.35	681
	Nov 2020	32	34	0	54	0	54	7499.95	661
	Dec 2020	26	26	0	98	0	98	7490.93	589
	Jan 2021	24	25	0	67	0	67	7485.35	546
	Feb 2021	22	23	0	33	0	33	7484.00	536
	Mar 2021	36	38	0	0	29	29	7485.17	544
	Apr 2021	77	78	1	0	57	57	7487.88	565
	May 2021	221	206	1	6	231	237	7483.57	532
	Jun 2021	261	238	1	59	0	59	7505.79	710

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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)
*	Jul 2018	22	101	1	102	101	0	101	7155.49	113
H	Aug 2018	19	93	0	93	94	0	94	7153.96	112
I	Sep 2018	14	68	2	70	84	0	84	7135.77	98
	WY 2018	**460**	**895**	**27**	**922**	**935**	**0**	**937**		
S	Oct 2018	24	56	1	57	56	0	56	7136.92	99
T	Nov 2018	23	19	1	20	13	0	15	7143.47	104
O	Dec 2018	21	21	1	22	18	0	18	7147.95	107
R	Jan 2019	21	17	1	17	18	0	18	7147.00	107
I	Feb 2019	20	23	0	24	23	0	23	7147.57	107
C	Mar 2019	29	25	1	26	26	0	26	7146.90	107
A	Apr 2019	136	33	15	47	41	0	41	7155.16	113
L	May 2019	240	105	25	130	127	0	131	7154.68	113
*	Jun 2019	512	194	41	235	186	0	234	7155.10	113
	Jul 2019	272	108	19	127	128	0	128	7153.73	112
	Aug 2019	90	140	5	145	145	0	145	7153.73	112
	Sep 2019	55	108	3	111	111	0	111	7153.73	112
	WY 2019	**1442**	**849**	**114**	**963**	**895**	**0**	**949**		
	Oct 2019	49	82	3	85	85	0	85	7153.73	112
	Nov 2019	41	77	3	80	80	0	80	7153.73	112
	Dec 2019	37	110	4	114	114	0	114	7153.73	112
	Jan 2020	33	53	3	56	56	0	56	7153.73	112
	Feb 2020	29	39	3	42	42	0	42	7153.73	112
	Mar 2020	42	36	4	40	40	0	40	7153.73	112
	Apr 2020	86	54	13	67	67	0	67	7153.73	112
	May 2020	245	257	25	282	282	0	282	7153.73	112
	Jun 2020	295	72	20	92	92	0	92	7153.73	112
	Jul 2020	104	67	7	74	74	0	74	7153.73	112
	Aug 2020	57	76	3	79	79	0	79	7153.73	112
	Sep 2020	42	87	2	89	89	0	89	7153.73	112
	WY 2020	**1060**	**1011**	**90**	**1101**	**1101**	**0**	**1101**		
	Oct 2020	42	59	2	61	61	0	61	7153.73	112
	Nov 2020	34	54	2	56	56	0	56	7153.73	112
	Dec 2020	28	98	2	100	100	0	100	7153.73	112
	Jan 2021	27	67	2	70	70	0	70	7153.73	112
	Feb 2021	25	33	3	35	35	0	35	7153.73	112
	Mar 2021	40	29	4	33	33	0	33	7153.73	112
	Apr 2021	88	57	11	68	68	0	68	7153.73	112
	May 2021	247	237	26	263	263	0	263	7153.73	112
	Jun 2021	281	59	20	79	79	0	79	7153.73	112

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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)
*	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
H	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
I	Sep 2018	15	84	1	85	87	0	87	6737.22	13	59	33
	WY 2018	**505**	**937**	**45**	**982**	**959**	**26**	**985**			**438**	**553**
S	Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
T	Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
O	Dec 2018	25	18	4	22	21	0	22	6745.32	15	0	20
R	Jan 2019	25	18	4	22	19	3	22	6746.57	15	1	20
I	Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
C	Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
A	Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
L	May 2019	264	131	24	155	108	31	153	6759.30	19	47	105
*	Jun 2019	558	234	46	281	115	73	283	6753.12	17	51	231
	Jul 2019	305	128	33	161	134	27	161	6753.04	17	65	96
	Aug 2019	95	145	5	150	134	16	150	6753.04	17	65	85
	Sep 2019	60	111	5	116	116	0	116	6753.04	17	55	61
	WY 2019	**1593**	**949**	**151**	**1099**	**818**	**169**	**1095**			**345**	**745**
	Oct 2019	56	85	7	92	92	0	92	6753.04	17	30	62
	Nov 2019	47	80	6	86	86	0	86	6753.04	17	0	86
	Dec 2019	43	114	6	120	120	0	120	6753.04	17	0	120
	Jan 2020	40	56	7	63	63	0	63	6753.04	17	0	63
	Feb 2020	33	42	4	46	0	46	46	6753.04	17	0	46
	Mar 2020	49	40	7	47	47	0	47	6753.04	17	5	42
	Apr 2020	99	67	13	80	80	0	80	6753.04	17	42	38
	May 2020	280	282	35	317	134	183	317	6753.04	17	62	255
	Jun 2020	330	92	35	127	127	0	127	6753.04	17	61	66
	Jul 2020	116	74	12	86	86	0	86	6753.04	17	65	21
	Aug 2020	64	79	7	86	86	0	86	6753.04	17	65	21
	Sep 2020	48	89	6	95	95	0	95	6753.04	17	55	40
	WY 2020	**1205**	**1101**	**145**	**1246**	**1017**	**230**	**1246**			**385**	**861**
	Oct 2020	48	61	6	67	67	0	67	6753.04	17	30	37
	Nov 2020	38	56	5	60	60	0	60	6753.04	17	0	60
	Dec 2020	32	100	5	105	105	0	105	6753.04	17	0	105
	Jan 2021	31	70	5	74	74	0	74	6753.04	17	0	74
	Feb 2021	29	35	4	39	39	0	39	6753.04	17	0	39
	Mar 2021	46	33	6	39	39	0	39	6753.04	17	5	34
	Apr 2021	101	68	12	80	80	0	80	6753.04	17	42	38
	May 2021	281	263	34	298	134	163	298	6753.04	17	62	236
	Jun 2021	315	79	34	113	113	0	113	6753.04	17	61	52

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Vallecito Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jul 2018	8	35	7624.15	35
H	Aug 2018	5	19	7613.87	22
I	Sep 2018	3	4	7613.06	21
	WY 2018	**102**	**153**		
S	Oct 2018	9	3	7617.56	26
T	Nov 2018	5	0	7621.25	31
O	Dec 2018	3	0	7623.31	34
R	Jan 2019	4	0	7625.50	37
I	Feb 2019	4	0	7627.67	41
C	Mar 2019	6	6	7627.39	40
A	Apr 2019	32	25	7631.32	47
L	May 2019	58	41	7640.08	64
*	Jun 2019	160	101	7664.36	124
	Jul 2019	49	64	7658.49	108
	Aug 2019	23	38	7652.44	93
	Sep 2019	18	30	7647.45	81
	WY 2019	**371**	**308**		
	Oct 2019	15	17	7646.42	79
	Nov 2019	10	5	7648.45	83
	Dec 2019	8	5	7649.64	86
	Jan 2020	7	5	7650.43	88
	Feb 2020	6	5	7650.98	89
	Mar 2020	9	2	7653.81	96
	Apr 2020	23	4	7661.06	115
	May 2020	64	71	7658.23	107
	Jun 2020	69	70	7657.52	106
	Jul 2020	27	41	7651.52	91
	Aug 2020	17	38	7642.43	70
	Sep 2020	15	29	7635.47	55
	WY 2020	**270**	**293**		
	Oct 2020	14	16	7634.20	53
	Nov 2020	8	2	7637.14	58
	Dec 2020	6	2	7639.28	63
	Jan 2021	5	2	7640.91	66
	Feb 2021	5	2	7642.29	69
	Mar 2021	9	2	7645.23	76
	Apr 2021	23	2	7654.10	97
	May 2021	71	71	7654.22	97
	Jun 2021	70	70	7654.05	97

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Navajo Reservoir

	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)
*	Jul 2018	-9	0	18	4	42	51	6036.94	1080	58
H	Aug 2018	-7	0	7	3	42	51	6028.27	991	47
I	Sep 2018	2	0	3	2	27	46	6020.80	919	41
	WY 2018	**268**	**36**	**283**	**24**	**224**	**405**			**531**
S	Oct 2018	23	1	17	1	7	31	6018.35	897	40
T	Nov 2018	15	0	10	1	0	18	6017.43	888	34
O	Dec 2018	12	0	9	0	0	18	6016.39	879	30
R	Jan 2019	13	0	10	0	0	19	6015.33	869	31
I	Feb 2019	17	0	14	1	1	16	6014.90	865	37
C	Mar 2019	114	1	113	1	4	18	6024.61	955	62
A	Apr 2019	230	24	203	2	20	20	6040.36	1117	102
L	May 2019	270	34	216	3	25	25	6054.45	1279	143
*	Jun 2019	491	57	376	4	36	114	6071.44	1501	383
	Jul 2019	129	15	129	5	57	64	6071.69	1504	190
	Aug 2019	45	2	58	4	48	65	6067.46	1446	110
	Sep 2019	43	2	53	3	26	62	6064.55	1407	97
	WY 2019	**1403**	**136**	**1206**	**26**	**223**	**470**			**1260**
	Oct 2019	43	2	43	2	10	37	6064.17	1402	68
	Nov 2019	38	0	33	1	0	30	6064.33	1404	50
	Dec 2019	28	0	25	1	0	31	6063.85	1398	49
	Jan 2020	26	0	24	1	0	31	6063.30	1390	47
	Feb 2020	31	0	29	1	0	29	6063.27	1390	43
	Mar 2020	80	9	64	2	6	31	6065.26	1416	53
	Apr 2020	145	21	105	3	21	30	6069.07	1468	84
	May 2020	285	37	255	4	36	231	6067.90	1452	382
	Jun 2020	195	29	167	4	53	285	6054.28	1277	420
	Jul 2020	45	5	55	4	57	55	6049.09	1215	110
	Aug 2020	35	2	54	3	48	31	6046.67	1187	64
	Sep 2020	34	2	46	2	26	30	6045.66	1175	56
	WY 2020	**985**	**106**	**901**	**27**	**256**	**849**			**1424**
	Oct 2020	40	2	41	2	9	31	6045.58	1175	55
	Nov 2020	31	0	25	1	0	30	6045.09	1169	47
	Dec 2020	25	0	21	1	0	31	6044.13	1158	46
	Jan 2021	22	0	18	1	0	31	6042.98	1145	44
	Feb 2021	30	0	27	1	0	28	6042.82	1144	40
	Mar 2021	92	9	77	1	6	31	6046.31	1183	53
	Apr 2021	170	21	128	2	22	30	6052.68	1257	82
	May 2021	277	37	240	3	37	142	6057.40	1315	288
	Jun 2021	224	29	195	4	53	238	6049.07	1215	389

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Lake Powell

	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)
*	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
H	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
I	Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
	WY 2018	**4612**	**5459**	**386**	**9000**	**0**	**9000**				**9158**
S	Oct 2018	351	477	30	625	0	625	3590.46	4923	10862	650
T	Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	669
O	Dec 2018	228	322	22	740	0	740	3581.85	4862	10099	744
R	Jan 2019	212	303	7	804	0	804	3576.34	4824	9629	815
I	Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	741
C	Mar 2019	624	573	11	790	0	790	3569.28	4778	9049	798
A	Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
L	May 2019	2511	1980	23	720	0	720	3584.65	4881	10343	752
*	Jun 2019	4206	3583	41	765	0	765	3611.82	5087	12914	808
	Jul 2019	2640	2344	57	860	0	860	3624.40	5193	14236	879
	Aug 2019	750	912	59	900	0	900	3624.00	5189	14192	917
	Sep 2019	550	722	55	683	0	683	3623.86	5188	14177	697
	WY 2019	**13824**	**12760**	**359**	**8923**	**77**	**9000**				**9204**
	Oct 2019	610	682	38	640	0	640	3623.90	5188	14181	650
	Nov 2019	580	629	36	640	0	640	3623.49	5185	14136	641
	Dec 2019	450	618	29	720	0	720	3622.36	5175	14015	726
	Jan 2020	430	575	9	860	0	860	3619.80	5153	13742	871
	Feb 2020	450	565	10	750	0	750	3618.09	5139	13562	759
	Mar 2020	640	631	16	800	0	800	3616.46	5125	13391	814
	Apr 2020	985	880	26	710	0	710	3617.73	5136	13524	725
	May 2020	2350	2244	32	710	0	710	3630.55	5247	14915	721
	Jun 2020	2730	2602	54	750	0	750	3644.82	5380	16579	761
	Jul 2020	870	835	68	850	0	850	3644.18	5374	16502	869
	Aug 2020	425	541	67	900	0	900	3640.89	5342	16108	917
	Sep 2020	380	518	61	670	0	670	3639.22	5327	15911	684
	WY 2020	**10900**	**11319**	**446**	**9000**	**0**	**9000**				**9138**
	Oct 2020	489	522	42	640	0	640	3637.96	5315	15763	650
	Nov 2020	462	500	40	640	0	640	3636.53	5301	15597	641
	Dec 2020	363	522	32	720	0	720	3634.69	5284	15385	726
	Jan 2021	361	489	10	860	0	860	3631.60	5256	15033	871
	Feb 2021	393	461	11	750	0	750	3629.12	5234	14755	759
	Mar 2021	665	570	18	800	0	800	3627.06	5216	14526	814
	Apr 2021	1056	863	28	710	0	710	3628.10	5225	14642	725
	May 2021	2343	2124	34	710	0	710	3639.28	5327	15919	721
	Jun 2021	2666	2427	57	750	0	750	3651.62	5447	17418	761

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
H	Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
I	Sep 2018	670	84	58	725	12.2	24	723	642	1078.29	9870
	WY 2018	**9000**	**690**	**541**	**9240**		**241**	**9237**			
S	Oct 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
T	Nov 2018	662	67	42	690	11.6	16	689	642	1078.32	9872
O	Dec 2018	740	52	36	468	7.6	11	467	659	1081.46	10132
R	Jan 2019	804	106	30	487	7.9	8	486	682	1085.75	10493
I	Feb 2019	730	126	28	621	11.2	6	620	694	1087.97	10682
C	Mar 2019	790	201	32	738	12.0	13	737	707	1090.24	10878
A	Apr 2019	720	118	39	902	15.2	15	900	700	1088.95	10767
L	May 2019	720	107	45	989	16.1	17	988	686	1086.48	10555
*	Jun 2019	765	70	54	912	15.3	28	911	676	1084.71	10405
	Jul 2019	860	80	67	899	14.6	44	899	672	1083.93	10339
	Aug 2019	900	100	72	806	13.1	41	806	677	1084.84	10416
	Sep 2019	683	91	59	719	12.1	34	719	675	1084.43	10381
	WY 2019	**9000**	**1218**	**547**	**8871**		**255**	**8854**			
	Oct 2019	640	82	43	511	8.3	36	511	683	1085.89	10505
	Nov 2019	640	54	43	630	10.6	27	630	682	1085.82	10499
	Dec 2019	720	51	37	563	9.2	23	563	691	1087.45	10638
	Jan 2020	860	83	31	564	9.2	10	564	712	1091.12	10954
	Feb 2020	750	91	29	649	11.3	10	649	721	1092.79	11099
	Mar 2020	800	57	32	977	15.9	19	977	711	1090.94	10939
	Apr 2020	710	49	39	1051	17.7	23	1051	689	1087.07	10605
	May 2020	710	30	45	993	16.1	33	993	669	1083.41	10295
	Jun 2020	750	17	53	916	15.4	32	916	655	1080.77	10075
	Jul 2020	850	80	66	825	13.4	35	825	655	1080.80	10078
	Aug 2020	900	100	71	723	11.8	33	723	666	1082.76	10241
	Sep 2020	670	91	59	708	11.9	26	708	664	1082.41	10212
	WY 2020	**9000**	**784**	**549**	**9108**		**308**	**9108**			
	Oct 2020	640	82	43	473	7.7	27	473	675	1084.41	10379
	Nov 2020	640	54	43	596	10.0	19	596	677	1084.81	10413
	Dec 2020	720	51	37	556	9.0	15	556	687	1086.61	10566
	Jan 2021	860	83	31	566	9.2	10	566	707	1090.28	10881
	Feb 2021	750	91	29	651	11.7	10	651	717	1091.93	11024
	Mar 2021	800	57	32	978	15.9	19	978	706	1090.06	10862
	Apr 2021	710	49	39	1053	17.7	23	1053	684	1086.14	10527
	May 2021	710	30	45	995	16.2	33	995	664	1082.44	10215
	Jun 2021	750	17	53	918	15.4	32	918	649	1079.77	9992

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
H	Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
I	Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
	WY 2018	**9240**	**-103**	**198**	**8981**	**0**	**8981**			
S	Oct 2018	641	-11	15	635	0	635	10.3	637.08	1540
T	Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
O	Dec 2018	468	-14	9	386	0	386	6.3	640.79	1639
R	Jan 2019	487	-29	10	418	0	418	6.8	641.89	1668
I	Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
C	Mar 2019	738	7	13	749	0	749	12.2	642.57	1687
A	Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
L	May 2019	989	-9	22	937	0	937	15.2	643.32	1707
*	Jun 2019	912	-12	25	886	0	886	14.9	642.89	1696
	Jul 2019	899	-12	25	872	0	872	14.2	642.50	1685
	Aug 2019	806	-11	23	778	0	778	12.7	642.25	1678
	Sep 2019	719	-12	18	749	0	749	12.6	640.01	1618
	WY 2019	**8871**	**-139**	**198**	**8476**	**0**	**8476**			
	Oct 2019	511	-4	15	676	0	676	11.0	633.00	1434
	Nov 2019	630	-19	10	549	0	549	9.2	635.00	1486
	Dec 2019	563	-12	9	444	0	444	7.2	638.71	1583
	Jan 2020	564	-16	10	455	0	455	7.4	641.80	1666
	Feb 2020	649	-13	10	625	0	625	10.9	641.80	1666
	Mar 2020	977	-15	13	914	0	914	14.9	643.05	1700
	Apr 2020	1051	-17	17	1019	0	1019	17.1	643.00	1699
	May 2020	993	-11	22	959	0	959	15.6	643.00	1699
	Jun 2020	916	-16	25	874	0	874	14.7	643.00	1699
	Jul 2020	825	-12	25	815	0	815	13.3	642.00	1671
	Aug 2020	723	-11	23	689	0	689	11.2	642.00	1671
	Sep 2020	708	-12	18	731	0	731	12.3	640.01	1618
	WY 2020	**9108**	**-159**	**197**	**8751**	**0**	**8751**			
	Oct 2020	473	-4	15	638	0	638	10.4	633.00	1434
	Nov 2020	596	-19	10	515	0	515	8.7	635.00	1486
	Dec 2020	556	-12	9	437	0	437	7.1	638.71	1583
	Jan 2021	566	-16	10	457	0	457	7.4	641.80	1666
	Feb 2021	651	-13	10	627	0	627	11.3	641.80	1666
	Mar 2021	978	-15	13	916	0	916	14.9	643.05	1700
	Apr 2021	1053	-17	17	1021	0	1021	17.2	643.00	1699
	May 2021	995	-11	22	961	0	961	15.6	643.00	1699
	Jun 2021	918	-16	25	876	0	876	14.7	643.00	1699

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
H	Aug 2018	730	22	17	611	9.9	99	22	447.53	571	104	1.7
I	Sep 2018	814	9	15	512	8.6	95	164	448.95	598	94	1.6
	WY 2018	**8981**	**100**	**139**	**6479**		**910**	**1431**			**1500**	
S	Oct 2018	635	23	12	394	6.4	86	176	448.12	582	68	1.1
T	Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
O	Dec 2018	386	26	7	218	3.5	70	143	446.53	552	105	1.7
R	Jan 2019	418	19	6	250	4.1	87	91	446.58	553	122	2.0
I	Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
C	Mar 2019	749	-5	9	630	10.2	11	83	447.86	577	185	3.0
A	Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
L	May 2019	937	8	13	693	11.3	51	154	448.62	592	128	2.1
*	Jun 2019	886	11	15	717	12.0	53	104	448.47	589	138	2.3
	Jul 2019	872	19	17	725	11.8	55	90	448.00	580	145	2.4
	Aug 2019	778	20	17	607	9.9	71	95	447.80	576	108	1.8
	Sep 2019	749	14	15	513	8.6	55	175	447.50	571	100	1.7
	WY 2019	**8476**	**170**	**140**	**6188**		**684**	**1577**			**1509**	
	Oct 2019	676	24	12	467	7.6	43	171	447.50	571	63	1.0
	Nov 2019	549	14	9	357	6.0	50	142	447.50	571	97	1.6
	Dec 2019	444	22	7	285	4.6	51	138	446.50	552	104	1.7
	Jan 2020	455	18	6	262	4.3	96	105	446.50	552	121	2.0
	Feb 2020	625	11	8	431	7.5	86	105	446.50	552	148	2.6
	Mar 2020	914	5	9	706	11.5	19	173	446.70	555	187	3.0
	Apr 2020	1019	12	11	728	12.2	75	168	448.70	593	173	2.9
	May 2020	959	13	13	695	11.3	78	173	448.70	593	116	1.9
	Jun 2020	874	11	16	718	12.1	75	63	448.70	593	124	2.1
	Jul 2020	815	19	17	677	11.0	78	63	448.00	580	131	2.1
	Aug 2020	689	20	17	598	9.7	78	13	447.50	571	101	1.6
	Sep 2020	731	14	15	508	8.5	75	136	447.50	570	93	1.6
	WY 2020	**8751**	**182**	**139**	**6432**		**805**	**1449**			**1457**	
	Oct 2020	638	24	12	487	7.9	32	125	447.50	571	63	1.0
	Nov 2020	515	14	9	359	6.0	31	125	447.50	571	96	1.6
	Dec 2020	437	22	7	311	5.1	32	125	446.50	552	106	1.7
	Jan 2021	457	18	6	262	4.3	99	105	446.50	552	121	2.0
	Feb 2021	627	11	8	430	7.7	89	105	446.50	552	148	2.7
	Mar 2021	916	5	9	704	11.5	22	173	446.70	555	187	3.0
	Apr 2021	1021	12	11	727	12.2	79	168	448.70	593	173	2.9
	May 2021	961	13	13	694	11.3	82	173	448.70	593	116	1.9
	Jun 2021	876	11	16	716	12.0	79	63	448.70	593	124	2.1

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
H	Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
I	Sep 2018	725	12.2	1078.29	9870	-49	434.15	1562.0	278.7	100	384.7
	WY 2018	**9240**							**3614.3**		
S	Oct 2018	641	10.4	1078.52	9889	19	435.29	1406.1	247.8	87	386.7
T	Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
O	Dec 2018	453	7.6	1081.46	10132	260	438.59	959.9	179.6	61	396.6
R	Jan 2019	487	7.9	1085.75	10493	361	442.10	1006.1	183.4	63	376.8
I	Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
C	Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
A	Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
L	May 2019	989	16.1	1086.48	10555	-211	440.79	803.9	398.2	51	402.5
*	Jun 2019	912	15.3	1084.71	10405	-150	439.38	1591.0	359.0	100	393.7
	Jul 2019	899	14.6	1083.93	10339	-66	431.71	1486.0	349.7	93	389.0
	Aug 2019	806	13.1	1084.84	10416	77	431.28	1600.0	315.4	100	391.5
	Sep 2019	719	12.1	1084.43	10381	-35	432.33	1591.0	279.5	100	389.0
	WY 2019	**8856**							**3486.1**		
	Oct 2019	511	8.3	1085.89	10505	124	436.54	1403.0	201.8	88	394.9
	Nov 2019	630	10.6	1085.82	10499	-6	440.95	1190.1	247.7	74	393.4
	Dec 2019	563	9.2	1087.45	10638	138	439.76	1206.1	220.3	75	391.2
	Jan 2020	564	9.2	1091.12	10954	317	440.78	1139.0	221.7	70	393.1
	Feb 2020	649	11.3	1092.79	11099	145	442.57	1122.1	259.1	68	399.5
	Mar 2020	977	15.9	1090.94	10939	-161	440.75	1317.0	394.4	81	403.8
	Apr 2020	1051	17.7	1087.07	10605	-333	437.78	1250.1	422.2	78	401.7
	May 2020	993	16.1	1083.41	10295	-310	432.37	1480.0	384.5	94	387.3
	Jun 2020	916	15.4	1080.77	10075	-220	428.59	1562.0	354.9	100	387.7
	Jul 2020	825	13.4	1080.80	10078	3	427.63	1562.0	321.1	100	389.3
	Aug 2020	723	11.8	1082.76	10241	163	428.94	1562.0	278.3	100	384.9
	Sep 2020	708	11.9	1082.41	10212	-29	430.38	1562.0	273.6	100	386.6
	WY 2020	**9108**							**3579.5**		
	Oct 2020	473	7.7	1084.41	10379	167	437.67	962.0	187.2	61	395.7
	Nov 2020	596	10.0	1084.81	10413	34	440.44	1066.0	236.9	68	397.7
	Dec 2020	556	9.0	1086.61	10566	153	438.84	1194.9	216.9	75	389.9
	Jan 2021	566	9.2	1090.28	10881	315	440.62	1019.5	223.4	64	394.5
	Feb 2021	651	11.7	1091.93	11024	143	441.72	1105.1	260.7	68	400.7
	Mar 2021	978	15.9	1090.06	10862	-162	439.89	1291.2	394.4	81	403.1
	Apr 2021	1053	17.7	1086.14	10527	-335	436.89	1233.1	422.4	78	401.0
	May 2021	995	16.2	1082.44	10215	-312	431.43	1463.1	384.7	94	386.6
	Jun 2021	918	15.4	1079.77	9992	-222	427.62	1541.9	355.1	100	386.9

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
H	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
I	Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
	WY 2018	**8981**							**1126.3**		
S	Oct 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
T	Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
O	Dec 2018	386	6.3	640.79	1639	58	140.00	153.0	47.3	60	122.5
R	Jan 2019	418	6.8	641.89	1668	30	143.26	159.6	56.8	63	135.8
I	Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
C	Mar 2019	749	12.2	642.57	1687	-17	140.17	218.8	94.8	86	126.6
A	Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
L	May 2019	937	15.2	643.32	1707	22	139.79	238.6	119.5	94	127.6
*	Jun 2019	886	14.9	642.89	1696	-12	140.50	255.0	113.6	100	128.3
	Jul 2019	872	14.2	642.50	1685	-11	139.23	255.0	109.4	100	125.4
	Aug 2019	778	12.7	642.25	1678	-7	139.47	255.0	97.8	100	125.7
	Sep 2019	749	12.6	640.01	1618	-61	138.26	255.0	93.2	100	124.6
	WY 2019	**8476**							**1069.3**		
	Oct 2019	676	11.0	633.00	1434	-183	134.25	208.9	81.8	82	120.9
	Nov 2019	549	9.2	635.00	1486	51	132.47	153.0	65.5	60	119.3
	Dec 2019	444	7.2	638.71	1583	97	136.20	200.7	54.5	79	122.7
	Jan 2020	455	7.4	641.80	1666	83	139.53	179.3	57.2	70	125.7
	Feb 2020	625	10.9	641.80	1666	0	139.59	189.9	78.7	74	125.8
	Mar 2020	914	14.9	643.05	1700	34	138.73	255.0	114.2	100	125.0
	Apr 2020	1019	17.1	643.00	1699	-1	138.56	255.0	127.2	100	124.8
	May 2020	959	15.6	643.00	1699	0	139.04	255.0	120.1	100	125.3
	Jun 2020	874	14.7	643.00	1699	0	139.36	255.0	109.7	100	125.6
	Jul 2020	815	13.3	642.00	1671	-27	139.38	255.0	102.4	100	125.6
	Aug 2020	689	11.2	642.00	1671	0	139.65	255.0	86.7	100	125.8
	Sep 2020	731	12.3	640.01	1618	-54	138.24	255.0	91.0	100	124.5
	WY 2020	**8751**							**1089.0**		
	Oct 2020	638	10.4	633.00	1434	-183	134.49	208.9	77.3	82	121.2
	Nov 2020	515	8.7	635.00	1486	51	132.71	153.0	61.6	60	119.6
	Dec 2020	437	7.1	638.71	1583	97	136.26	200.7	53.7	79	122.8
	Jan 2021	457	7.4	641.80	1666	83	139.51	179.3	57.5	70	125.7
	Feb 2021	627	11.3	641.80	1666	0	139.42	189.4	78.8	74	125.6
	Mar 2021	916	14.9	643.05	1700	34	138.72	255.0	114.4	100	125.0
	Apr 2021	1021	17.2	643.00	1699	-1	138.55	255.0	127.5	100	124.8
	May 2021	961	15.6	643.00	1699	0	139.03	255.0	120.4	100	125.3
	Jun 2021	876	14.7	643.00	1699	0	139.35	255.0	110.0	100	125.5

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
H	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
I	Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
	WY 2018	**6479**							**451.7**		
S	Oct 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
T	Nov 2018	357	6.0	447.99	580	-3	82.25	93.0	26.1	78	73.0
O	Dec 2018	218	3.5	446.53	552	-27	81.03	116.1	12.9	97	59.1
R	Jan 2019	250	4.1	446.58	553	1	82.75	117.1	17.0	98	68.2
I	Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
C	Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
A	Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
L	May 2019	673	11.3	448.62	592	25	80.51	119.0	48.6	99	72.2
*	Jun 2019	717	12.0	448.47	589	-3	80.43	120.0	50.3	100	70.2
	Jul 2019	725	11.8	448.00	580	-9	75.60	120.0	48.0	100	66.2
	Aug 2019	607	9.9	447.80	576	-4	75.27	120.0	39.8	100	65.6
	Sep 2019	513	8.6	447.50	571	-6	75.03	120.0	33.4	100	65.1
	WY 2019	**6168**							**423.5**		
	Oct 2019	467	7.6	447.50	571	0	76.29	90.0	30.8	75	65.9
	Nov 2019	357	6.0	447.50	571	0	76.14	93.0	23.2	78	65.0
	Dec 2019	285	4.6	446.50	552	-19	74.65	114.2	17.9	95	62.8
	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	706	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	48.0	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	598	9.7	447.50	571	-9	75.13	120.0	39.1	100	65.4
	Sep 2020	508	8.5	447.50	570	0	74.89	120.0	33.0	100	65.0
	WY 2020	**6432**							**421.1**		
	Oct 2020	487	7.9	447.50	571	0	76.29	90.0	32.2	75	66.1
	Nov 2020	359	6.0	447.50	571	0	76.19	92.0	23.4	77	65.0
	Dec 2020	311	5.1	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	11.5	446.70	555	4	74.01	120.0	45.7	100	64.9
	Apr 2021	727	12.2	448.70	593	38	75.08	120.0	47.9	100	65.9
	May 2021	694	11.3	448.70	593	0	76.05	120.0	46.1	100	66.5
	Jun 2021	716	12.0	448.70	593	0	76.05	120.0	47.7	100	66.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 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
*	Jul 2018	384	48	27	36	20	8
H	Aug 2018	393	50	24	33	19	7
I	Sep 2018	288	47	8	29	16	1
	Summer 2018	**2045**	**297**	**133**	**193**	**111**	**36**
S	Oct 2018	268	39	11	19	9	4
T	Nov 2018	248	36	5	4	2	5
O	Dec 2018	313	47	5	6	2	5
R	Jan 2019	335	47	4	6	1	4
I	Feb 2019	302	42	6	8	1	3
C	Mar 2019	325	22	6	9	4	3
	Winter 2019	**1790**	**233**	**36**	**51**	**19**	**24**
A	Apr 2019	294	27	9	14	10	4
L	May 2019	299	38	23	45	21	6
*	Jun 2019	332	82	33	64	22	8
	Jul 2019	354	40	34	46	23	10
	Aug 2019	374	49	34	52	23	9
	Sep 2019	285	47	32	40	20	3
	Summer 2019	**1939**	**284**	**165**	**262**	**120**	**40**
	Oct 2019	267	34	25	31	16	7
	Nov 2019	266	28	24	29	15	7
	Dec 2019	300	47	33	41	21	6
	Jan 2020	356	60	16	20	11	6
	Feb 2020	309	56	12	15	0	5
	Mar 2020	329	46	11	14	8	4
	Winter 2020	**1826**	**272**	**120**	**151**	**71**	**35**
	Apr 2020	291	45	16	24	14	5
	May 2020	295	25	59	102	23	6
	Jun 2020	320	89	21	33	22	8
	Jul 2020	366	45	21	27	15	10
	Aug 2020	386	45	24	28	15	10
	Sep 2020	287	43	27	32	16	2
	Summer 2020	**1946**	**291**	**168**	**246**	**105**	**40**
	Oct 2020	274	25	18	22	12	5
	Nov 2020	272	25	16	20	10	5
	Dec 2020	305	43	29	36	18	5
	Jan 2021	363	43	20	25	13	4
	Feb 2021	316	38	10	13	7	4
	Mar 2021	335	22	0	12	7	4
	Winter 2021	**1529**	**172**	**93**	**116**	**60**	**23**
	Apr 2021	296	22	0	24	14	5
	May 2021	300	26	2	95	23	6
	Jun 2021	324	87	18	29	20	8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

July 2019 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Lake System Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	BOM Space Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****EFFECTIVE SPACE****										
Jul 2019	384	134	195	11408	12121	16972	29093	159	134	65	358	11408	16972	28737	1500	899	0	33.3
								****CREDITABLE SPACE****										
Aug 2019	244	3	192	10086	10525	17038	27562	244	3	192	438	10086	17038	27562	1500	806	0	33.1
Sep 2019	295	49	250	10130	10724	16961	27685	295	49	250	594	10130	16961	27685	2270	719	0	32.8
Oct 2019	374	92	289	10145	10901	16996	27897	374	92	289	756	10145	16996	27897	3040	511	0	32.7
Nov 2019	413	128	294	10141	10976	16872	27848	413	128	294	835	10141	16872	27848	3810	630	0	32.6
Dec 2019	435	166	292	10186	11079	16878	27957	435	166	292	893	10186	16878	27957	4580	563	0	32.5
Jan 2020	524	245	298	10307	11374	16739	28113	524	245	298	1067	10307	16739	28113	5350	564	0	32.5
								****EFFECTIVE SPACE****										
Jan 2020	524	245	298	10307	11374	16739	28113	101	180	8	290	10307	16739	27336	5350	564	0	32.5
Feb 2020	640	269	306	10580	11794	16423	28217	218	204	15	436	10580	16423	27439	1500	649	0	32.4
Mar 2020	744	283	306	10760	12093	16278	28370	321	217	15	553	10760	16278	27590	1500	977	0	32.1
Apr 2020	775	280	280	10931	12266	16438	28704	350	215	-19	546	10931	16438	27915	1500	1051	0	32.0
May 2020	768	260	228	10798	12054	16772	28825	337	196	-95	438	10798	16772	28007	1500	993	0	33.2
Jun 2020	618	303	244	9407	10573	17082	27654	174	233	-119	289	9407	17082	26777	1500	916	0	34.7
Jul 2020	531	123	419	7743	8816	17302	26118	77	30	-1	106	7743	17302	25151	1500	825	0	34.6
								****CREDITABLE SPACE****										
Aug 2020	472	88	481	7820	8860	17299	26160	472	88	481	1041	7820	17299	26160	1500	723	0	34.3
Sep 2020	534	98	509	8214	9355	17136	26491	534	98	509	1141	8214	17136	26491	2270	708	0	33.9
Oct 2020	613	131	521	8411	9676	17165	26841	613	131	521	1265	8411	17165	26841	3040	473	0	33.7
Nov 2020	634	149	521	8559	9863	16998	26860	634	149	521	1304	8559	16998	26860	3810	596	0	33.5
Dec 2020	655	169	527	8725	10076	16964	27039	655	169	527	1351	8725	16964	27039	4580	556	0	33.4
Jan 2021	737	241	538	8937	10453	16811	27264	737	241	538	1516	8937	16811	27264	5350	566	0	33.3
								****EFFECTIVE SPACE****										
Jan 2021	737	241	538	8937	10453	16811	27264	374	201	228	804	8937	16811	26551	5350	566	0	33.3
Feb 2021	814	284	551	9289	10938	16496	27434	451	244	240	936	9289	16496	26721	1500	651	0	33.1
Mar 2021	875	294	552	9567	11288	16353	27641	510	255	241	1006	9567	16353	26926	1500	978	0	32.8
Apr 2021	839	285	513	9796	11433	16515	27949	469	248	195	912	9796	16515	27223	1500	1053	0	32.8
May 2021	773	265	439	9680	11157	16850	28007	395	227	97	719	9680	16850	27250	1500	995	0	34.0
Jun 2021	612	297	381	8403	9694	17162	26856	221	244	-1	464	8403	17162	26030	1500	918	0	35.5

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