June 24-Month Study
Date: June 14, 2019

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

Current Reservoir Status

Reservoir	May Inflow (unregulated) (acre-feet)	Percent of Average (%)	June 13, Midnight Elevation (feet)	June 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	167,000	102	6,498.08	283,800
Flaming Gorge	252,300	103	6,029.47	3,328,600
Blue Mesa	214,400	97	7,474.83	469,000
Navajo	270,200	97	6,060.60	1,355,400
Powell	2,511,300	107	3,595.13	11,291,300

Expected Operations

The operation of Lake Powell and Lake Mead in this June 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 above sea level (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 June 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 6498 feet, which amounts to 82 percent of live storage capacity. Inflows for the month of May totaled 167,000 acre-feet (af), or 99 percent of average. Releases are currently ramping up to pass the high inflows seen over the past week, expect flows near 6400 cubic feet per second (cfs) to continue through the majority of June.

The Colorado Basin River Forecast Center has forecasted inflows that are near average. June, July and August forecasted inflow volumes amount to 300,000 af (100 percent of average), 199,000 af (112 percent of average), and 77,000 af (101 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 – As of June 11, 2019, Flaming Gorge Reservoir's pool elevation is 6029.77 feet (89 percent of live capacity) and decreasing. Inflow into Flaming Gorge Reservoir during the month of May was 183,470 af or 89 percent of average.

Reclamation is in the process of conducting the Larval Trigger Study Plan (LTSP) targeted flows. Full powerplant releases and bypass releases are being used to achieve between 18,600 cfs to 20,300 cfs at the Jensen Gage. Full powerplant and bypass releases which range between approximately 7,000 cfs to 8600 cfs and will continue until later next week, the week of June 16, 2019.

Combined with forecasted flows from the Yampa River, which is unregulated and joins the Green River below Flaming Gorge Dam in Dinosaur National Monument, flows near Jensen, Utah are expected to reach above 18,600 cfs and be less than 22,000 cfs. Reclamation will closely monitor actual and forecast flows and will reduce Flaming Gorge Dam release volumes if the Yampa River is projected to considerably exceed current forecasts through the week of June 16, 2019.

The June final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: June, July, and August forecasted unregulated inflow volumes at 423,000 af (109 percent of average), 255,000 af (121 percent of average), and 95,000 af (107 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 June 13, 2019 releases from Crystal Dam are approximately 5,100 cfs. Uncompahgre Valley Water Users Association is diverting approximately 900 cfs through the Gunnison Tunnel and flows in the Black Canyon are about 4,200 cfs. Releases from Aspinall are currently ramping down from the spring peak operations to meet Aspinall Record of Decision (ROD) peak flow targets for this year. As described in the Aspinall ROD, based on the moderately wet hydrologic category of the forecasted April through July runoff into Blue Mesa Reservoir this year, the ROD peak flow target level this year has been 14,350 cfs measured in the Whitewater Reach of the Gunnison River. Peak releases from Aspinall, timed with peak flows on the North Fork of the Gunnison River achieved 6 days above the peak flow target level this year. Additionally, at least 20 days above half bank full levels (8,070 cfs) are expected to occur in the Whitewater Reach by the end of June.

Inflows to Blue Mesa have been very significant in May and June with the elevation of Blue Mesa Reservoir increasing over 18 feet since May 1, 2019 despite the high releases that have been made from Aspinall during the spring peak operational period. Inflows are expected to be very high for about 6 more weeks into late July. By the end of July, Blue Mesa Reservoir is projected to be very nearly full at an elevation of approximately 7518 feet which is within 1.4 feet of full capacity. This elevation corresponds to a storage level in Blue Mesa Reservoir of approximately 820,000 acre-feet which is 98.7 percent of full capacity.

The May unregulated inflow to Blue Mesa Reservoir was 214,400 af (97 percent of average). Unregulated Inflows to Blue Mesa for the next three months (June, July and August) are projected to be: 480,000 af (183 percent of average), 225,000 af (192 percent of average) and 82,000 af (130 percent of average), respectively. The June 24-Month Study is reflective of these new forecasts. The April through July unregulated inflow forecast volume for 2019 (issued June 4, 2019) is 1,040,000 af which is 154 percent of average. The water year unregulated inflow forecast volume for 2019 is 1,352,000 af which is 142 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 June 13, 2019, the daily average release rate from Navajo Dam was approximately 4,390 cfs while reservoir inflow (modified unregulated) was averaging approximately 11,150 cfs. The water surface elevation was 6060.60 feet above sea level and is steadily increasing at nearly 0.5 feet per day. 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). The river flow measured at the San Juan River at Four Corners USGS gage was 10,500 cfs. River flow at the Animas River at Farmington USGS gage is at 6,190 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, Navajo Unit – San Juan River New Mexico, Colorado, Utah Final Environmental Impact Statement. Releases from Navajo Dam are managed to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). The San Juan River Basin Recovery Implementation Program (SJRIP) recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area.

Preliminary modified-unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in May was 270 kaf (97 percent of average for the month). The SWE above Navajo peaked at 29.9 inches (148% of historical median peak) on April 5, 2019.

Forecast modified-unregulated inflow to Navajo over the next three months (June, July and August) are projected to be: 400,000 af (178 percent of average), 99,000 af (150 percent of average), and 47,000 af (104 percent of average), respectively.

The April through July runoff forecasts are as follows:

Min Probable: 810,000 af (110 percent of average)

Most Probable: 1,000,000 af (136 percent of average)
Max Probable: 1,060,000 af (144 percent of average)

Based on current storage and long-term projections, Navajo is nearly certain to fill to at least 6050 ft and has a 70% chance of filling to at least 6060 ft in the spring of 2019. Based on the current Most Probable projection there are no plans for a spring peak release, though a short-duration maintenance release is being planned. The short-duration maintenance release is underway and when complete will include a 5-7 day ramp up to 5,000 cfs, five days at 5,000 cfs, and a 3-day ramp back down to base release levels. The timing of this release has accounted for the high flows on the Animas River to best manage potential flooding issues.

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 May was 2.51 (maf) (107 percent of average). The release volume from Glen Canyon Dam in May was 720 thousand acre-feet (kaf). The end of May elevation and storage of Lake Powell were 3,585 feet (115 feet from full pool) and 10.3 maf (42 percent of full capacity), respectively. This winter's precipitation has been above average every month starting with January through May at, 120, 150, 175, 105, 175 percent.

Current Operations

The forecast for water year 2019 unregulated inflow to Lake Powell, issued on June 4, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 13.5 maf (125 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 June 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,620.77 feet with approximately 13.85 maf in storage (57 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 June most probable scenario, and 9.0 maf under the April maximum and minimum probable inflow scenarios.

Inflow Forecasts and Model Projections

The forecast for water year 2019 unregulated inflow to Lake Powell, issued on May 1, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 12.07 maf (111 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 May 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,610.33 feet with approximately 12.76 maf in storage (54 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 May 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 13.49 maf (125 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 31.33 maf (53 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
ATTENTION UC-430
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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			may	Forecast		Outlook		
:	feb	mar	apr	may	%Avg	jun	jul	aug	apr-jul	%Avg
GLDA3:Lake Powell	255	624	1242	2511	107%:	4400/	2150/	750/	10300/:	144%
GBRW4:Fontenelle	26	37	114	167	102%:	300/	199/	77/	780/:	108%
GRNU1:Flaming Gorge	34	74	240	252	104%:	423/	255/	95/	1170/:	119%
BMDC2:Blue Mesa	20.0	28	121	214	97%:	480/	225/	82/	1040/:	154%
MPSC2:Morrow Point	20	29	136	240	97%:	525/	239/	86/	1140/:	154%
CLSC2:Crystal	24	34	150	266	95%:	590/	273/	95/	1280/:	153%
TPIC2:Taylor Park	3.4	4.7	10.1	21	74%:	71/	38/	14/	140/:	141%
VCRC2:Vallecito	3.8	5.6	32	58	81%:	136/	48/	23/	275/:	142%
NVRN5:Navajo	17.6	114	230	270	97%:	400/	99/	47/	1000/:	136%
LEMC2:Lemon	0.50	0.77	5.8	12.1	56%:	40/	12/	5/	70/:	127%
MPHC2:McPhee	2.8	10.8	105	117	94%:	165/	39/	15/	425/:	144%
RBSC2:Ridgway	3.0	5.8	10.9	15.9	61%:	62/	39/	15/	128/:	127%
YDLC2:Deerlodge	17.3	50	265	471	91%:	585/	129/	27/	1450/:	117%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	404	2	101	269	370	6499.18	292
H	Jul 2018	138	3	92	8	100	6503.79	327
I	Aug 2018	50	2	75	1	76	6500.10	299
S	Sep 2018	30	2	7	58	65	6495.11	262
	WY 2018	**1397**	**15**	**856**	**528**	**1382**		
T	Oct 2018	42	1	45	20	65	6491.62	238
O	Nov 2018	38	1	60	0	60	6488.29	216
R	Dec 2018	30	1	61	1	61	6483.19	184
I	Jan 2019	28	1	61	0	61	6476.81	150
C	Feb 2019	26	0	55	1	56	6470.41	120
A	Mar 2019	37	0	61	0	61	6464.13	95
L	Apr 2019	114	1	71	0	71	6474.10	137
*	May 2019	167	1	98	0	98	6486.46	204
	Jun 2019	300	2	103	135	238	6495.39	265
	Jul 2019	199	3	105	50	156	6500.92	306
	Aug 2019	77	2	106	25	131	6493.16	249
	Sep 2019	45	2	38	64	102	6484.16	191
	WY 2019	**1103**	**14**	**865**	**296**	**1161**		
	Oct 2019	49	1	67	0	67	6480.82	171
	Nov 2019	44	1	60	0	60	6477.81	155
	Dec 2019	37	0	61	0	61	6472.58	130
	Jan 2020	32	0	61	0	61	6465.38	100
	Feb 2020	30	0	0	58	58	6457.41	73
	Mar 2020	48	0	0	61	61	6452.88	59
	Apr 2020	75	0	0	76	76	6452.26	57
	May 2020	155	1	0	105	105	6466.97	107
	Jun 2020	275	2	98	31	129	6493.42	251
	Jul 2020	170	3	108	25	132	6498.33	286
	Aug 2020	65	2	105	0	105	6492.50	245
	Sep 2020	45	2	20	75	95	6484.55	193
	WY 2020	**1025**	**12**	**580**	**430**	**1010**		
	Oct 2020	48	1	61	0	61	6482.11	179
	Nov 2020	42	1	60	0	60	6478.81	160
	Dec 2020	32	0	61	0	61	6472.60	130
	Jan 2021	30	0	61	0	61	6464.96	99
	Feb 2021	28	0	0	56	56	6456.79	71
	Mar 2021	53	0	0	61	61	6453.78	61
	Apr 2021	85	0	0	85	85	6453.69	61
	May 2021	164	1	0	105	105	6470.09	120

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

Model Run ID: 3095

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
H	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
I	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
S	Sep 2018	17	52	11	119	0	119	136	6030.75	3378	132
	WY 2018	**1594**	**1580**	**82**	**1608**	**7**	**1616**				**2638**
T	Oct 2018	52	75	7	99	0	99	135	6029.99	3349	131
O	Nov 2018	41	63	4	93	0	93	133	6029.15	3316	121
R	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
C	Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
A	Mar 2019	74	99	3	58	0	58	128	6025.67	3185	128
L	Apr 2019	240	198	5	71	0	71	133	6028.79	3303	342
*	May 2019	252	183	8	99	0	99	136	6030.71	3376	568
	Jun 2019	423	361	11	284	3	287	138	6032.27	3437	872
	Jul 2019	255	212	14	140	0	140	140	6033.67	3493	269
	Aug 2019	95	149	13	141	0	141	140	6033.54	3488	168
	Sep 2019	60	117	12	137	0	137	139	6032.78	3458	154
	WY 2019	**1590**	**1648**	**83**	**1480**	**3**	**1483**				**3204**
	Oct 2019	63	81	8	94	0	94	138	6032.29	3438	124
	Nov 2019	60	76	4	89	0	89	138	6031.86	3421	122
	Dec 2019	40	64	2	156	0	156	134	6029.55	3332	183
	Jan 2020	46	75	2	172	0	172	130	6027.06	3237	196
	Feb 2020	49	77	2	161	0	161	127	6024.82	3154	185
	Mar 2020	98	111	3	90	0	90	128	6025.29	3171	161
	Apr 2020	135	136	5	65	0	65	130	6027.00	3235	275
	May 2020	230	180	8	68	0	68	134	6029.63	3335	598
	Jun 2020	340	194	10	243	0	243	132	6028.13	3277	693
	Jul 2020	200	162	14	123	0	123	133	6028.78	3302	198
	Aug 2020	74	114	13	123	0	123	132	6028.22	3281	144
	Sep 2020	50	100	11	117	0	117	131	6027.51	3254	132
	WY 2020	**1385**	**1370**	**80**	**1502**	**0**	**1502**				**3012**
	Oct 2020	55	69	7	68	0	68	131	6027.35	3248	96
	Nov 2020	50	67	3	67	0	67	131	6027.27	3245	97
	Dec 2020	35	64	2	117	0	117	128	6025.88	3193	142
	Jan 2021	40	72	2	117	0	117	127	6024.66	3148	142
	Feb 2021	45	72	2	104	0	104	125	6023.78	3116	132
	Mar 2021	102	111	3	61	0	61	127	6025.01	3160	138
	Apr 2021	134	133	5	60	0	60	130	6026.79	3227	275
	May 2021	245	186	8	71	0	71	134	6029.49	3329	603

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

Model Run ID: 3095

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	13	15	9317.29	82
H	Jul 2018	5	14	9311.71	73
I	Aug 2018	3	13	9305.51	63
S	Sep 2018	3	8	9301.71	58
	WY 2018	**88**	**108**		
T	Oct 2018	5	3	9302.60	59
O	Nov 2018	3	3	9302.61	59
R	Dec 2018	4	3	9302.74	59
I	Jan 2019	4	3	9302.92	59
C	Feb 2019	3	3	9303.16	60
A	Mar 2019	5	4	9303.75	60
L	Apr 2019	10	7	9306.14	64
*	May 2019	21	26	9302.64	59
	Jun 2019	71	36	9323.80	94
	Jul 2019	38	28	9328.94	104
	Aug 2019	14	24	9323.68	94
	Sep 2019	9	23	9316.17	80
	WY 2019	**186**	**164**		
	Oct 2019	8	9	9315.33	79
	Nov 2019	7	8	9314.97	78
	Dec 2019	6	5	9315.74	79
	Jan 2020	5	5	9315.96	80
	Feb 2020	5	4	9316.36	80
	Mar 2020	5	7	9315.36	79
	Apr 2020	8	10	9314.47	77
	May 2020	30	25	9317.36	82
	Jun 2020	40	19	9328.75	104
	Jul 2020	17	23	9325.66	98
	Aug 2020	9	23	9318.37	84
	Sep 2020	7	22	9309.44	69
	WY 2020	**147**	**158**		
	Oct 2020	6	9	9307.75	66
	Nov 2020	5	7	9306.13	64
	Dec 2020	5	5	9306.13	64
	Jan 2021	4	5	9305.96	64
	Feb 2021	4	4	9305.62	63
	Mar 2021	4	7	9304.06	61
	Apr 2021	9	10	9303.54	60
	May 2021	28	13	9313.36	75

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	56	57	1	98	0	98	7475.06	471
H	Jul 2018	21	31	1	101	0	101	7464.43	399
I	Aug 2018	19	28	1	93	0	93	7453.77	334
S	Sep 2018	12	17	1	30	39	68	7444.44	282
	WY 2018	**433**	**453**	**7**	**856**	**39**	**895**		
T	Oct 2018	23	22	0	46	11	56	7437.59	248
O	Nov 2018	22	21	0	19	0	19	7438.08	250
R	Dec 2018	20	19	0	21	0	21	7437.82	249
I	Jan 2019	20	20	0	17	0	17	7438.40	252
C	Feb 2019	20	20	0	23	0	23	7437.59	248
A	Mar 2019	28	27	0	25	0	25	7438.01	250
L	Apr 2019	121	118	0	33	0	33	7453.91	335
*	May 2019	214	218	1	86	18	105	7471.68	447
	Jun 2019	480	445	1	194	9	203	7503.18	688
	Jul 2019	225	215	2	72	0	72	7519.34	829
	Aug 2019	82	92	1	107	0	107	7517.61	813
	Sep 2019	52	66	1	104	3	107	7512.87	771
	WY 2019	**1306**	**1283**	**8**	**746**	**41**	**787**		
	Oct 2019	46	47	1	82	0	82	7508.82	736
	Nov 2019	38	39	0	77	0	77	7504.26	697
	Dec 2019	34	33	0	111	0	111	7494.69	618
	Jan 2020	30	30	0	55	0	55	7491.45	593
	Feb 2020	26	25	0	34	0	34	7490.31	584
	Mar 2020	38	40	0	36	0	36	7490.72	587
	Apr 2020	73	75	1	54	0	54	7493.27	607
	May 2020	220	215	1	206	40	246	7489.19	575
	Jun 2020	275	254	1	48	0	48	7513.75	779
	Jul 2020	97	103	2	79	0	79	7516.22	801
	Aug 2020	54	68	1	88	0	88	7513.76	779
	Sep 2020	39	54	1	86	0	86	7509.98	746
	WY 2020	**970**	**981**	**9**	**958**	**40**	**998**		
	Oct 2020	39	42	1	59	0	59	7507.92	728
	Nov 2020	31	34	0	57	0	57	7505.17	704
	Dec 2020	26	26	0	110	0	110	7494.89	620
	Jan 2021	24	25	0	67	0	67	7489.50	577
	Feb 2021	22	23	0	33	0	33	7488.18	567
	Mar 2021	36	38	0	0	29	29	7489.32	576
	Apr 2021	77	78	1	0	57	57	7491.96	597
	May 2021	221	206	1	6	222	228	7488.94	573

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	57	98	2	99	99	0	99	7154.16	112
H	Jul 2018	22	101	1	102	101	0	101	7155.49	113
I	Aug 2018	19	93	0	93	94	0	94	7153.96	112
S	Sep 2018	14	68	2	70	84	0	84	7135.77	98
	WY 2018	**460**	**895**	**27**	**922**	**935**	**0**	**937**		
T	Oct 2018	24	56	1	57	56	0	56	7136.92	99
O	Nov 2018	23	19	1	20	13	0	15	7143.47	104
R	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
C	Feb 2019	20	23	0	24	23	0	23	7147.57	107
A	Mar 2019	29	25	1	26	26	0	26	7146.90	107
L	Apr 2019	136	33	15	47	41	0	41	7155.16	113
*	May 2019	240	105	25	130	127	0	131	7154.68	113
	Jun 2019	525	203	45	248	249	0	249	7153.73	112
	Jul 2019	239	72	14	86	86	0	86	7153.73	112
	Aug 2019	86	107	4	111	111	0	111	7153.73	112
	Sep 2019	55	107	3	110	110	0	110	7153.73	112
	WY 2019	**1418**	**787**	**112**	**899**	**880**	**0**	**885**		
	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	111	3	114	114	0	114	7153.73	112
	Jan 2020	33	55	3	58	58	0	58	7153.73	112
	Feb 2020	29	34	3	37	37	0	37	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	246	25	271	271	0	271	7153.73	112
	Jun 2020	295	48	20	68	68	0	68	7153.73	112
	Jul 2020	104	79	7	86	86	0	86	7153.73	112
	Aug 2020	57	88	3	91	91	0	91	7153.73	112
	Sep 2020	42	86	3	89	89	0	89	7153.73	112
	WY 2020	**1060**	**998**	**90**	**1088**	**1088**	**0**	**1088**		
	Oct 2020	42	59	3	61	61	0	61	7153.73	112
	Nov 2020	34	57	2	59	59	0	59	7153.73	112
	Dec 2020	28	110	2	112	112	0	112	7153.73	112
	Jan 2021	27	67	2	69	69	0	69	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	228	26	254	254	0	254	7153.73	112

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
H	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
I	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
S	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**
T	Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
O	Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
R	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
C	Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
A	Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
L	Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
*	May 2019	264	131	24	155	108	31	153	6759.30	19	47	105
	Jun 2019	590	249	65	314	130	186	316	6753.04	17	61	255
	Jul 2019	273	86	34	120	120	0	120	6753.04	17	65	55
	Aug 2019	95	111	9	120	120	0	120	6753.04	17	65	55
	Sep 2019	61	110	6	116	116	0	116	6753.04	17	55	61
	WY 2019	**1594**	**885**	**175**	**1060**	**804**	**239**	**1056**			**355**	**697**
	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	58	7	65	65	0	65	6753.04	17	0	65
	Feb 2020	33	37	4	41	0	41	41	6753.04	17	0	41
	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	271	35	306	134	172	306	6753.04	17	62	244
	Jun 2020	330	68	35	103	103	0	103	6753.04	17	61	42
	Jul 2020	116	86	12	98	98	0	98	6753.04	17	65	33
	Aug 2020	64	91	7	98	98	0	98	6753.04	17	65	33
	Sep 2020	48	89	6	95	95	0	95	6753.04	17	55	40
	WY 2020	**1205**	**1088**	**145**	**1233**	**1020**	**213**	**1233**			**385**	**848**
	Oct 2020	48	61	6	67	67	0	67	6753.04	17	30	37
	Nov 2020	38	59	5	64	64	0	64	6753.04	17	0	64
	Dec 2020	32	112	5	117	117	0	117	6753.04	17	0	117
	Jan 2021	31	69	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	254	34	288	134	154	288	6753.04	17	62	226

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	14	35	7639.22	63
H	Jul 2018	8	35	7624.15	35
I	Aug 2018	5	19	7613.87	22
S	Sep 2018	3	4	7613.06	21
	WY 2018	**102**	**153**		
T	Oct 2018	9	3	7617.56	26
O	Nov 2018	5	0	7621.25	31
R	Dec 2018	3	0	7623.31	34
I	Jan 2019	4	0	7625.50	37
C	Feb 2019	4	0	7627.67	41
A	Mar 2019	6	6	7627.39	40
L	Apr 2019	32	25	7631.32	47
*	May 2019	58	41	7640.08	64
	Jun 2019	136	77	7664.12	123
	Jul 2019	48	48	7663.96	123
	Aug 2019	23	38	7658.15	107
	Sep 2019	18	30	7653.42	95
	WY 2019	**346**	**268**		
	Oct 2019	14	17	7652.03	92
	Nov 2019	9	5	7653.63	96
	Dec 2019	8	5	7654.87	99
	Jan 2020	6	5	7655.32	100
	Feb 2020	5	4	7655.54	101
	Mar 2020	8	2	7657.88	107
	Apr 2020	23	4	7664.91	125
	May 2020	64	71	7662.15	118
	Jun 2020	69	70	7661.46	116
	Jul 2020	27	41	7655.64	101
	Aug 2020	17	38	7646.94	80
	Sep 2020	15	29	7640.42	65
	WY 2020	**265**	**292**		
	Oct 2020	14	16	7639.25	63
	Nov 2020	8	2	7641.95	68
	Dec 2020	6	2	7643.96	73
	Jan 2021	5	2	7645.49	76
	Feb 2021	5	2	7646.78	79
	Mar 2021	9	2	7649.57	86
	Apr 2021	23	2	7658.09	107
	May 2021	71	71	7658.20	107

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	6	3	24	4	42	42	6044.23	1159	50
H	Jul 2018	-9	0	18	4	42	51	6036.94	1080	53
I	Aug 2018	-7	0	7	3	42	51	6028.27	991	48
S	Sep 2018	2	0	3	2	27	46	6020.80	919	43
	WY 2018	**268**	**36**	**283**	**24**	**224**	**405**			**528**
T	Oct 2018	23	1	17	1	7	31	6018.35	897	39
O	Nov 2018	15	0	10	1	0	18	6017.43	888	34
R	Dec 2018	12	0	9	0	0	18	6016.39	879	31
I	Jan 2019	13	0	10	0	0	19	6015.33	869	32
C	Feb 2019	17	0	14	1	1	16	6014.90	865	36
A	Mar 2019	114	1	113	1	4	18	6024.61	955	56
L	Apr 2019	230	24	203	2	20	20	6040.36	1117	99
*	May 2019	270	34	216	3	25	25	6054.45	1279	143
	Jun 2019	400	56	285	4	52	109	6063.93	1399	394
	Jul 2019	99	10	89	5	57	31	6063.73	1396	152
	Aug 2019	47	2	60	4	48	31	6062.02	1374	76
	Sep 2019	40	2	50	3	26	30	6061.31	1365	64
	WY 2019	**1281**	**130**	**1075**	**25**	**240**	**365**			**1157**
	Oct 2019	43	2	44	2	10	31	6061.48	1367	62
	Nov 2019	38	0	34	1	0	30	6061.72	1370	50
	Dec 2019	28	0	25	1	0	31	6061.21	1363	49
	Jan 2020	26	0	25	1	0	31	6060.70	1357	47
	Feb 2020	31	0	30	1	0	29	6060.73	1357	43
	Mar 2020	80	9	65	2	6	31	6062.84	1384	53
	Apr 2020	145	21	105	3	21	30	6066.73	1436	84
	May 2020	285	37	255	4	36	204	6067.54	1447	355
	Jun 2020	195	29	167	4	53	272	6055.01	1286	407
	Jul 2020	45	5	55	4	57	43	6050.94	1237	98
	Aug 2020	35	2	54	3	48	31	6048.54	1209	64
	Sep 2020	34	2	46	3	26	30	6047.54	1197	56
	WY 2020	**985**	**106**	**906**	**27**	**256**	**790**			**1365**
	Oct 2020	40	2	41	2	9	31	6047.47	1196	55
	Nov 2020	31	0	25	1	0	30	6046.98	1191	47
	Dec 2020	25	0	21	1	0	31	6046.04	1180	46
	Jan 2021	22	0	18	1	0	31	6044.90	1167	44
	Feb 2021	30	0	27	1	0	28	6044.75	1165	40
	Mar 2021	92	9	77	1	6	31	6048.18	1204	53
	Apr 2021	170	21	128	2	22	30	6054.45	1279	82
	May 2021	277	37	240	3	37	142	6059.11	1337	288

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
H	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
I	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
S	Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
	WY 2018	**4612**	**5459**	**386**	**9000**	**0**	**9000**				**9158**
T	Oct 2018	351	477	30	625	0	625	3590.46	4923	10862	650
O	Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	669
R	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
C	Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	741
A	Mar 2019	624	573	11	790	0	790	3569.28	4778	9049	798
L	Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
*	May 2019	2511	1980	23	720	0	720	3584.65	4881	10343	751
	Jun 2019	4400	3806	42	765	0	765	3613.84	5103	13120	776
	Jul 2019	2150	1880	57	860	0	860	3622.33	5175	14012	879
	Aug 2019	750	855	58	900	0	900	3621.44	5167	13916	917
	Sep 2019	510	660	53	683	0	683	3620.77	5161	13845	697
	WY 2019	**13488**	**12400**	**358**	**8923**	**77**	**9000**				**9171**
	Oct 2019	610	676	37	640	0	640	3620.77	5161	13844	650
	Nov 2019	580	641	36	640	0	640	3620.46	5159	13812	641
	Dec 2019	450	646	28	720	0	720	3619.56	5151	13717	726
	Jan 2020	430	586	9	860	0	860	3617.07	5130	13455	871
	Feb 2020	450	568	9	750	0	750	3615.36	5116	13278	759
	Mar 2020	630	585	16	800	0	800	3613.29	5099	13064	814
	Apr 2020	975	813	25	710	0	710	3613.99	5105	13136	725
	May 2020	2300	2156	31	710	0	710	3626.33	5209	14446	721
	Jun 2020	2700	2534	53	750	0	750	3640.40	5338	16050	761
	Jul 2020	870	835	66	850	0	850	3639.76	5332	15974	869
	Aug 2020	425	554	65	900	0	900	3636.50	5301	15594	917
	Sep 2020	380	518	59	670	0	670	3634.80	5286	15398	684
	WY 2020	**10800**	**11112**	**435**	**9000**	**0**	**9000**				**9138**
	Oct 2020	489	522	41	640	0	640	3633.52	5274	15251	650
	Nov 2020	462	504	39	640	0	640	3632.10	5261	15090	641
	Dec 2020	363	535	31	720	0	720	3630.33	5245	14889	726
	Jan 2021	361	489	10	860	0	860	3627.16	5217	14537	871
	Feb 2021	393	461	10	750	0	750	3624.62	5194	14260	759
	Mar 2021	665	570	17	800	0	800	3622.51	5176	14031	814
	Apr 2021	1056	863	27	710	0	710	3623.59	5185	14147	725
	May 2021	2343	2115	33	710	0	710	3634.97	5287	15417	721

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 2019 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

U.S. DEPARTMENT OF THE INTERIOR
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)
*	Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
H	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
I	Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
S	Sep 2018	670	84	58	725	12.2	24	723	642	1078.29	9870
	WY 2018	**9000**	**690**	**541**	**9240**		**241**	**9237**			
T	Oct 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
O	Nov 2018	662	67	42	690	11.6	16	689	642	1078.32	9872
R	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
C	Feb 2019	730	126	28	621	11.2	6	620	694	1087.97	10682
A	Mar 2019	790	201	32	738	12.0	13	737	707	1090.24	10878
L	Apr 2019	720	117	39	902	15.2	14	900	700	1088.95	10767
*	May 2019	720	107	45	989	16.1	17	988	686	1086.48	10555
	Jun 2019	765	17	54	929	15.6	39	929	671	1083.81	10330
	Jul 2019	860	80	67	851	13.8	42	851	670	1083.58	10310
	Aug 2019	900	100	72	808	13.1	39	808	675	1084.49	10387
	Sep 2019	683	91	59	759	12.7	32	759	671	1083.65	10316
	WY 2019	**9000**	**1164**	**547**	**8882**		**259**	**8868**			
	Oct 2019	640	82	43	518	8.4	34	518	678	1085.06	10435
	Nov 2019	640	54	43	660	11.1	25	660	676	1084.68	10402
	Dec 2019	720	51	37	604	9.8	22	604	683	1085.88	10504
	Jan 2020	860	83	31	577	9.4	10	577	703	1089.45	10809
	Feb 2020	750	91	28	665	11.6	10	665	711	1090.95	10939
	Mar 2020	800	57	32	991	16.1	19	991	700	1088.93	10765
	Apr 2020	710	49	39	1065	17.9	23	1065	677	1084.87	10419
	May 2020	710	30	44	1005	16.3	33	1005	656	1081.04	10097
	Jun 2020	750	17	53	928	15.6	32	928	641	1078.24	9865
	Jul 2020	850	80	66	838	13.6	35	838	641	1078.13	9857
	Aug 2020	900	100	70	735	12.0	33	735	651	1079.98	10009
	Sep 2020	670	91	58	720	12.1	26	720	648	1079.50	9970
	WY 2020	**9000**	**784**	**544**	**9306**		**302**	**9306**			
	Oct 2020	640	82	42	484	7.9	27	484	658	1081.40	10127
	Nov 2020	640	54	43	608	10.2	19	608	660	1081.68	10151
	Dec 2020	720	51	37	569	9.2	15	569	669	1083.37	10292
	Jan 2021	860	83	30	577	9.4	10	577	689	1086.97	10597
	Feb 2021	750	91	28	662	11.9	10	662	697	1088.53	10730
	Mar 2021	800	57	32	991	16.1	19	991	686	1086.50	10557
	Apr 2021	710	49	39	1065	17.9	23	1065	664	1082.40	10211
	May 2021	710	30	44	1005	16.3	33	1005	643	1078.53	9889

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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)
*	Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
H	Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
I	Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
S	Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
	WY 2018	**9240**	**-103**	**198**	**8981**	**0**	**8981**			
T	Oct 2018	641	-11	15	635	0	635	10.3	637.08	1540
O	Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
R	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
C	Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
A	Mar 2019	738	7	13	749	0	749	12.2	642.57	1687
L	Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
*	May 2019	989	-9	22	937	0	937	15.2	643.32	1707
	Jun 2019	929	-16	25	896	0	896	15.1	643.00	1699
	Jul 2019	851	-12	25	828	0	828	13.5	642.50	1685
	Aug 2019	808	-11	23	788	0	788	12.8	642.00	1671
	Sep 2019	759	-12	18	782	0	782	13.1	640.01	1617
	WY 2019	**8882**	**-143**	**198**	**8484**	**0**	**8485**			
	Oct 2019	518	-4	15	683	0	683	11.1	633.00	1434
	Nov 2019	660	-19	10	580	0	580	9.7	635.00	1486
	Dec 2019	604	-12	9	485	0	485	7.9	638.71	1583
	Jan 2020	577	-16	10	467	0	467	7.6	641.80	1666
	Feb 2020	665	-13	10	642	0	642	11.2	641.80	1666
	Mar 2020	991	-15	13	928	0	928	15.1	643.05	1700
	Apr 2020	1065	-17	17	1033	0	1033	17.4	643.00	1699
	May 2020	1005	-11	22	971	0	971	15.8	643.00	1699
	Jun 2020	928	-16	25	887	0	887	14.9	643.00	1699
	Jul 2020	838	-12	25	828	0	828	13.5	642.00	1671
	Aug 2020	735	-11	23	701	0	701	11.4	642.00	1671
	Sep 2020	720	-12	18	743	0	743	12.5	640.01	1617
	WY 2020	**9306**	**-159**	**197**	**8949**	**0**	**8949**			
	Oct 2020	484	-4	15	649	0	649	10.6	633.00	1434
	Nov 2020	608	-19	10	527	0	527	8.9	635.00	1486
	Dec 2020	569	-12	9	450	0	450	7.3	638.71	1583
	Jan 2021	577	-16	10	468	0	468	7.6	641.80	1666
	Feb 2021	662	-13	10	639	0	639	11.5	641.80	1666
	Mar 2021	991	-15	13	928	0	928	15.1	643.05	1700
	Apr 2021	1065	-17	17	1033	0	1033	17.4	643.00	1699
	May 2021	1005	-11	22	972	0	972	15.8	643.00	1699

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

Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
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)
*	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	131	2.2
H	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
I	Aug 2018	730	22	17	611	9.9	99	22	447.53	571	104	1.7
S	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**	
T	Oct 2018	635	23	12	394	6.4	86	176	448.12	582	68	1.1
O	Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
R	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
C	Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
A	Mar 2019	749	-5	9	630	10.2	11	83	447.86	577	185	3.0
L	Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
*	May 2019	937	8	13	693	11.3	51	154	448.62	592	127	2.1
	Jun 2019	896	11	15	727	12.2	55	98	448.50	590	144	2.4
	Jul 2019	828	19	17	680	11.1	71	75	448.00	580	138	2.2
	Aug 2019	788	20	17	609	9.9	81	98	447.50	571	110	1.8
	Sep 2019	782	14	15	513	8.6	78	180	447.50	571	100	1.7
	WY 2019	**8485**	**171**	**140**	**6155**		**734**	**1564**			**1509**	
	Oct 2019	683	24	12	467	7.6	35	186	447.50	571	63	1.0
	Nov 2019	580	14	9	378	6.3	22	179	447.50	571	97	1.6
	Dec 2019	485	22	7	306	5.0	24	185	446.50	552	104	1.7
	Jan 2020	467	18	6	265	4.3	105	105	446.50	552	125	2.0
	Feb 2020	642	11	8	435	7.6	99	105	446.50	552	152	2.6
	Mar 2020	928	5	9	711	11.6	28	173	446.70	555	192	3.1
	Apr 2020	1033	12	11	733	12.3	85	168	448.70	593	178	3.0
	May 2020	971	13	13	698	11.4	87	173	448.70	593	119	1.9
	Jun 2020	887	11	16	721	12.1	85	63	448.70	593	127	2.1
	Jul 2020	828	19	17	681	11.1	87	63	448.00	580	135	2.2
	Aug 2020	701	20	17	601	9.8	87	13	447.50	571	104	1.7
	Sep 2020	743	14	15	511	8.6	85	136	447.50	571	96	1.6
	WY 2020	**8949**	**182**	**139**	**6507**		**829**	**1549**			**1491**	
	Oct 2020	649	24	12	488	7.9	41	125	447.50	571	65	1.1
	Nov 2020	527	14	9	362	6.1	40	125	447.50	571	99	1.7
	Dec 2020	450	22	7	314	5.1	41	125	446.50	552	109	1.8
	Jan 2021	468	18	6	265	4.3	106	105	446.50	552	125	2.0
	Feb 2021	639	11	8	435	7.8	96	105	446.50	552	152	2.7
	Mar 2021	928	5	9	710	11.5	29	173	446.70	555	192	3.1
	Apr 2021	1033	12	11	732	12.3	86	168	448.70	593	178	3.0
	May 2021	972	13	13	697	11.3	89	173	448.70	593	119	1.9

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

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Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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
*	Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
H	Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
I	Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
S	Sep 2018	725	12.2	1078.29	9870	-49	434.15	1562.0	278.7	100	384.7
	WY 2018	**9240**							**3614.3**		
T	Oct 2018	641	10.4	1078.52	9889	19	435.29	1406.1	247.8	87	386.7
O	Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
R	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
C	Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
A	Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
L	Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
*	May 2019	989	16.1	1086.48	10555	-211	440.79	803.9	398.2	51	402.5
	Jun 2019	929	15.6	1083.81	10330	-226	431.52	1591.0	363.2	100	390.9
	Jul 2019	851	13.8	1083.58	10310	-19	430.35	1591.0	334.4	100	392.9
	Aug 2019	808	13.1	1084.49	10387	77	431.01	1591.0	316.3	100	391.4
	Sep 2019	759	12.7	1083.65	10316	-71	431.86	1591.0	296.6	100	390.9
	WY 2019	**8867**							**3493.0**		
	Oct 2019	518	8.4	1085.06	10435	119	435.74	1403.0	204.4	88	394.8
	Nov 2019	660	11.1	1084.68	10402	-33	439.96	1185.0	260.9	74	395.1
	Dec 2019	604	9.8	1085.88	10504	102	438.41	1206.1	237.8	75	393.7
	Jan 2020	577	9.4	1089.45	10809	305	439.84	1037.0	227.7	64	394.8
	Feb 2020	665	11.6	1090.95	10939	130	440.82	1118.0	265.6	68	399.3
	Mar 2020	991	16.1	1088.93	10765	-174	438.84	1297.0	393.0	81	396.5
	Apr 2020	1065	17.9	1084.87	10419	-346	435.70	1241.9	426.6	78	400.5
	May 2020	1005	16.3	1081.04	10097	-321	430.10	1467.0	388.0	94	386.1
	Jun 2020	928	15.6	1078.24	9865	-232	426.16	1552.0	358.4	100	386.1
	Jul 2020	838	13.6	1078.13	9857	-9	425.05	1539.0	324.7	100	387.6
	Aug 2020	735	12.0	1079.98	10009	153	426.24	1552.0	281.8	100	383.3
	Sep 2020	720	12.1	1079.50	9970	-40	427.56	1552.0	277.0	100	385.0
	WY 2020	**9306**							**3646.0**		
	Oct 2020	484	7.9	1081.40	10127	158	434.73	953.0	190.9	61	394.4
	Nov 2020	608	10.2	1081.68	10151	23	436.65	1173.5	239.5	74	394.2
	Dec 2020	569	9.2	1083.37	10292	142	435.67	1194.9	220.9	75	388.5
	Jan 2021	577	9.4	1086.97	10597	305	437.37	1019.5	226.7	64	392.9
	Feb 2021	662	11.9	1088.53	10730	133	438.39	1105.1	264.0	68	398.8
	Mar 2021	991	16.1	1086.50	10557	-174	436.43	1291.2	390.7	81	394.4
	Apr 2021	1065	17.9	1082.40	10211	-346	433.26	1233.1	424.4	78	398.3
	May 2021	1005	16.3	1078.53	9889	-321	427.63	1463.1	385.9	94	383.9

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Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 2019 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

U.S. DEPARTMENT OF THE INTERIOR
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
*	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
H	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
I	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
S	Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
	WY 2018	**8981**							**1126.3**		
T	Oct 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
O	Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
R	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
C	Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
A	Mar 2019	749	12.2	642.57	1687	-17	140.17	218.8	94.8	86	126.6
L	Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
*	May 2019	937	15.2	643.32	1707	22	139.79	238.6	119.5	94	127.6
	Jun 2019	896	15.1	643.00	1699	-9	139.39	255.0	112.5	100	125.6
	Jul 2019	828	13.5	642.50	1685	-14	139.55	255.0	104.1	100	125.7
	Aug 2019	788	12.8	642.00	1671	-14	139.29	255.0	98.9	100	125.5
	Sep 2019	782	13.1	640.01	1617	-54	137.92	255.0	97.1	100	124.3
	WY 2019	**8484**							**1067.8**		
	Oct 2019	683	11.1	633.00	1434	-183	134.20	208.9	82.5	82	120.9
	Nov 2019	580	9.7	635.00	1486	51	132.25	153.0	69.1	60	119.1
	Dec 2019	485	7.9	638.71	1583	97	135.91	200.7	59.4	79	122.4
	Jan 2020	467	7.6	641.80	1666	83	139.43	179.3	58.7	70	125.6
	Feb 2020	642	11.2	641.80	1666	0	139.47	189.9	80.7	74	125.7
	Mar 2020	928	15.1	643.05	1700	34	138.65	255.0	116.0	100	124.9
	Apr 2020	1033	17.4	643.00	1699	-1	138.49	255.0	128.9	100	124.8
	May 2020	971	15.8	643.00	1699	0	138.98	255.0	121.6	100	125.2
	Jun 2020	887	14.9	643.00	1699	0	139.29	255.0	111.3	100	125.5
	Jul 2020	828	13.5	642.00	1671	-27	139.30	255.0	103.9	100	125.5
	Aug 2020	701	11.4	642.00	1671	0	139.58	255.0	88.2	100	125.7
	Sep 2020	743	12.5	640.01	1617	-54	138.17	255.0	92.5	100	124.5
	WY 2020	**8949**							**1112.8**		
	Oct 2020	649	10.6	633.00	1434	-183	134.42	208.9	78.6	82	121.1
	Nov 2020	527	8.9	635.00	1486	51	132.62	153.0	63.0	60	119.5
	Dec 2020	450	7.3	638.71	1583	97	136.17	200.7	55.2	79	122.7
	Jan 2021	468	7.6	641.80	1666	83	139.43	179.3	58.8	70	125.6
	Feb 2021	639	11.5	641.80	1666	0	139.34	189.4	80.2	74	125.5
	Mar 2021	928	15.1	643.05	1700	34	138.65	255.0	115.9	100	124.9
	Apr 2021	1033	17.4	643.00	1699	-1	138.49	255.0	128.9	100	124.8
	May 2021	972	15.8	643.00	1699	0	138.98	255.0	121.7	100	125.2

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
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
*	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
H	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
I	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
S	Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
	WY 2018	**6479**							**451.7**		
T	Oct 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
O	Nov 2018	357	6.0	447.99	580	-3	82.25	93.0	26.1	78	73.0
R	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
C	Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
A	Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
L	Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
*	May 2019	673	11.3	448.62	592	25	80.51	119.0	48.6	99	72.2
	Jun 2019	727	12.2	448.50	590	-2	75.91	120.0	48.4	100	66.5
	Jul 2019	680	11.1	448.00	580	-9	75.61	120.0	45.0	100	66.1
	Aug 2019	609	9.9	447.50	571	-10	75.13	120.0	39.9	100	65.5
	Sep 2019	513	8.6	447.50	571	0	74.89	120.0	33.3	100	65.0
	WY 2019	**6136**							**418.5**		
	Oct 2019	467	7.6	447.50	571	0	76.29	90.0	30.8	75	65.9
	Nov 2019	378	6.3	447.50	571	0	76.14	93.0	24.6	78	65.2
	Dec 2019	306	5.0	446.50	552	-19	74.65	114.2	19.3	95	63.1
	Jan 2020	265	4.3	446.50	552	0	75.07	94.8	16.7	79	62.8
	Feb 2020	435	7.6	446.50	552	0	75.16	93.1	28.3	78	65.1
	Mar 2020	711	11.6	446.70	555	4	74.01	120.0	46.2	100	64.9
	Apr 2020	733	12.3	448.70	593	38	75.08	120.0	48.3	100	65.9
	May 2020	698	11.4	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jun 2020	721	12.1	448.70	593	0	76.05	120.0	48.0	100	66.6
	Jul 2020	681	11.1	448.00	580	-13	75.71	120.0	45.0	100	66.2
	Aug 2020	601	9.8	447.50	571	-9	75.13	120.0	39.3	100	65.5
	Sep 2020	511	8.6	447.50	571	0	74.89	120.0	33.2	100	65.0
	WY 2020	**6507**							**426.2**		
	Oct 2020	488	7.9	447.50	571	0	76.29	90.0	32.3	75	66.1
	Nov 2020	362	6.1	447.50	571	0	76.19	92.0	23.5	77	65.1
	Dec 2020	314	5.1	446.50	552	-19	74.86	109.4	19.9	91	63.3
	Jan 2021	265	4.3	446.50	552	0	75.07	94.8	16.6	79	62.8
	Feb 2021	435	7.8	446.50	552	0	75.21	92.1	28.3	77	65.2
	Mar 2021	710	11.5	446.70	555	4	74.01	120.0	46.1	100	64.9
	Apr 2021	732	12.3	448.70	593	38	75.08	120.0	48.2	100	65.9
	May 2021	697	11.3	448.70	593	0	76.05	120.0	46.3	100	66.5

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Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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
*	Jun 2018	343	50	27	34	20	8
H	Jul 2018	384	48	27	36	20	8
I	Aug 2018	393	50	24	33	19	7
S	Sep 2018	288	47	8	29	16	1
	Summer 2018	**2045**	**297**	**133**	**193**	**111**	**36**
T	Oct 2018	268	39	11	19	9	4
O	Nov 2018	248	36	5	4	2	5
R	Dec 2018	313	47	5	6	2	5
I	Jan 2019	335	47	4	6	1	4
C	Feb 2019	302	42	6	8	1	3
A	Mar 2019	325	22	6	9	4	3
	Winter 2019	**1790**	**233**	**36**	**51**	**19**	**24**
L	Apr 2019	294	27	9	14	10	4
*	May 2019	299	38	23	45	21	6
	Jun 2019	303	104	57	90	22	9
	Jul 2019	354	52	22	31	21	10
	Aug 2019	373	52	34	40	21	10
	Sep 2019	283	51	33	40	20	3
	Summer 2019	**1907**	**325**	**178**	**260**	**115**	**41**
	Oct 2019	264	35	26	31	16	5
	Nov 2019	264	33	24	29	15	4
	Dec 2019	297	57	34	41	21	4
	Jan 2020	353	63	16	21	11	4
	Feb 2020	307	59	10	13	0	0
	Mar 2020	327	33	11	14	8	0
	Winter 2020	**1813**	**280**	**120**	**149**	**71**	**18**
	Apr 2020	289	24	16	24	14	0
	May 2020	293	25	61	98	23	0
	Jun 2020	317	89	15	25	18	7
	Jul 2020	363	45	25	31	17	10
	Aug 2020	383	45	28	33	17	9
	Sep 2020	285	43	27	32	16	2
	Summer 2020	**1931**	**271**	**172**	**243**	**105**	**28**
	Oct 2020	271	25	18	22	12	5
	Nov 2020	270	25	18	21	11	4
	Dec 2020	303	43	33	40	20	4
	Jan 2021	360	43	20	25	13	4
	Feb 2021	313	38	10	13	7	0
	Mar 2021	332	22	0	12	7	0
	Winter 2021	**1516**	**172**	**99**	**122**	**62**	**18**
	Apr 2021	294	22	0	24	14	0
	May 2021	298	26	2	92	23	0

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Model Run ID: 3095

Processed On: 6/14/2019 10:25:06AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

June 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	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****EFFECTIVE SPACE****										
Jun 2019	512	382	417	13979	15291	16822	32113	251	382	234	868	13979	16822	31669	1500	929	0	31.8
Jul 2019	392	142	297	11202	12032	17047	29080	115	142	58	315	11202	17047	28564	1500	851	0	32.8
								****CREDITABLE SPACE****										
Aug 2019	295	0	300	10310	10906	17067	27972	295	0	300	596	10310	17067	27972	1500	808	0	32.7
Sep 2019	357	16	322	10406	11101	16990	28091	357	16	322	695	10406	16990	28091	2270	759	0	32.3
Oct 2019	446	59	331	10477	11313	17061	28374	446	59	331	836	10477	17061	28374	3040	518	0	32.2
Nov 2019	484	94	329	10478	11385	16942	28327	484	94	329	908	10478	16942	28327	3810	660	0	32.1
Dec 2019	517	133	326	10510	11486	16975	28461	517	133	326	976	10510	16975	28461	4580	604	0	32.0
Jan 2020	632	211	333	10605	11781	16873	28654	632	211	333	1176	10605	16873	28654	5350	577	0	32.0
								****EFFECTIVE SPACE****										
Jan 2020	632	211	333	10605	11781	16873	28654	175	206	64	446	10605	16873	27924	5350	577	0	32.0
Feb 2020	757	237	339	10867	12200	16568	28768	302	231	70	603	10867	16568	28038	1500	665	0	31.8
Mar 2020	868	246	339	11044	12497	16438	28935	414	239	69	722	11044	16438	28205	1500	991	0	31.5
Apr 2020	864	243	312	11258	12676	16612	29288	406	237	35	678	11258	16612	28548	1500	1065	0	31.4
May 2020	802	223	260	11186	12470	16958	29429	337	218	-41	514	11186	16958	28658	1500	1005	0	32.5
Jun 2020	653	254	249	9876	11032	17280	28312	174	244	-92	326	9876	17280	27482	1500	928	0	34.0
Jul 2020	565	51	410	8272	9299	17512	26811	77	18	12	107	8272	17512	25891	1500	838	0	33.9
								****CREDITABLE SPACE****										
Aug 2020	505	29	459	8348	9341	17520	26861	505	29	459	993	8348	17520	26861	1500	735	0	33.6
Sep 2020	568	51	487	8728	9835	17368	27203	568	51	487	1106	8728	17368	27203	2270	720	0	33.1
Oct 2020	647	84	499	8924	10154	17407	27561	647	84	499	1230	8924	17407	27561	3040	484	0	32.9
Nov 2020	667	102	500	9071	10339	17250	27589	667	102	500	1269	9071	17250	27589	3810	608	0	32.8
Dec 2020	689	125	505	9232	10552	17226	27778	689	125	505	1319	9232	17226	27778	4580	569	0	32.6
Jan 2021	771	210	516	9433	10929	17085	28014	771	210	516	1497	9433	17085	28014	5350	577	0	32.5
								****EFFECTIVE SPACE****										
Jan 2021	771	210	516	9433	10929	17085	28014	374	187	228	789	9433	17085	27307	5350	577	0	32.5
Feb 2021	848	252	529	9785	11414	16780	28193	451	230	240	921	9785	16780	27486	1500	662	0	32.3
Mar 2021	908	262	531	10062	11763	16647	28410	510	240	241	991	10062	16647	27701	1500	991	0	32.0
Apr 2021	872	253	492	10291	11908	16820	28728	469	233	195	897	10291	16820	28009	1500	1065	0	32.0
May 2021	806	233	417	10175	11631	17166	28797	395	213	97	704	10175	17166	28045	1500	1005	0	33.2

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Processed On: 6/14/2019 10:25:06AM