April 24-Month Study
Date: April 16, 2018

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

Current Reservoir Status

Reservoir	March Inflow (unregulated) (acre-feet)	Percent of Average (%)	April 15, Midnight Elevation (feet)	April 15, Midnight Reservoir Storage (acre-feet)
Fontenelle	58,000	110	6,470.73	121,000
Flaming Gorge	86,000	84	6,025.49	3,178,000
Blue Mesa	28,000	78	7,480.78	512,000
Navajo	24,000	26	6,050.82	1,235,000
Powell	332,000	50	3,610.84	12,815,000

Expected Operations

The operation of Lake Powell and Lake Mead in this April 2018 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 2018 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2017 24-Month Study projections of the January 1, 2018, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2018.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2018 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-feet (maf) release from Lake Powell in water year 2018, the April 2018 24-Month Study projects 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 will shift to balancing releases for the remainder of water year 2018. 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 April 24-Month Study projects a balancing release of 9.0 maf in water year 2018; however, the actual release in water year 2018 will depend on hydrology in the remainder of water

year and will range from 8.23 to 9.0 maf. The projected release from Lake Powell in water year 2018 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 2018.

The Interim Guidelines are available for download at:
https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.
The 2018 AOP is available for download at:
https://www.usbr.gov/lc/region/g4000/aop/AOP18.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6470 feet, which amounts to 35 percent of live storage capacity. Inflows for the month of March totaled 58,000 acre-feet (af), or 110 percent of average. Above average inflows are forecasted over the next few months and releases have been adjusted to meet the spring elevation target. Releases have been set to 1,500 cfs and are anticipated to increase as inflows into the reservoir increase.

The Colorado Basin River Forecast Center has forecasted above average inflows into the reservoir this spring. April, May, and June forecasted inflow volumes amount to 95,000 af (111 percent of average), 205,000 af (125 percent of average), and 370,000 af (124 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 17, 2018. The meeting will be held at Seedskadee Wildlife Refuge Headquarters, Wyoming. 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 – Releases are currently 1,700 cfs with fluctuations for hydropower, and will increase or decrease throughout the spring season to meet the May 1 elevation target of 6,027 feet.

Unregulated inflow into Flaming Gorge Reservoir during the month of March was 98,864 af, or 97 percent of average. The reservoir elevation is 6,025.53 feet (85 percent of live capacity) and decreasing.

The April final forecast for inflows for the next three months projects near average conditions: April, May, and June forecasted unregulated inflow volumes at 125,000 af (94 percent of average), 240,000 af (98 percent of average), and 400,000 af (102 percent of average), respectively.

The April water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 1,000,000 af (102 percent of average). Current snowpack is 117 percent of median and we have received 117 percent of the season peak for the

Upper Green Basin with additional storm systems anticipated through the remainder of April.

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 or Jed Parker at 801-524-3816.

Reclamation will be holding the Flaming Gorge Working Group meeting on Thursday, April 19, 2018, at 11:00 a.m. at the Utah Division of Wildlife Resources offices located at 318 North Vernal Avenue, Vernal, Utah.

Aspinall Unit Reservoirs – Releases from Crystal Dam are approximately 1,500 cfs. Uncompahgre Valley Water Users Association is diverting approximately 1,050 cfs through the Gunnison Tunnel and flows through the Black Canyon are approximately 450 cfs. Blue Mesa Reservoir elevation is 7580.78 feet which corresponds to a storage content 511,000 af (62 percent of capacity).

The March unregulated inflow to Blue Mesa Reservoir was 27,739 af (78 percent of average). Unregulated Inflows to Blue Mesa for the next three months (April, May and June) are projected to be: 41,000 af (53 percent of average), 127,000 af (57 percent of average) and 129,000 af (49 percent of average), respectively. For water year 2018, the unregulated inflow volume is forecasted to be 574,000 af (60 percent of average) with 345,000 af (51 percent of average) forecasted unregulated inflow during the April through July period. The April 24-Month Study is reflective of this new forecast.

The Aspinall Unit Working Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

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

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

The next meeting of the Aspinall Unit Working Group will be held on Thursday, April 17th, 2018 at 1:00 pm at the at the Western Colorado Area Office located at 445 West Gunnison Avenue in Grand Junction, Colorado.

Navajo Reservoir – On April 2nd, the release was increased to 550 cfs. The observed inflow is 338 cfs. The reservoir elevation is 6050.88 feet (1,235,927 af), and is 73 percent full (55 percent of active storage). The San Juan River at Four Corners USGS gage is at 483 cfs. The Animas River at Farmington USGS gage is at 80 cfs. Releases are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, in an 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.

Currently SNOTEL sites are showing an average of 10.7 inches of snow water equivalent (swe) above Navajo, which is 54 percent of the median for this time of year. So far the snowpack has peaked at 11.1 inches of swe.

Preliminary modified unregulated inflow into Navajo was 24,176 af, which was 26 percent of average for the month. The most probable modified-unregulated inflow forecast for April at Navajo is 54,000 af (32 percent of average), for May is 105,000 af (38 percent of average), and for June is 51,000 af (23 percent of average).
The April-July runoff forecasts are as follows:

Min Prob: 168,000 af (23 percent of average, an increase of 38,000 af since the last forecast)
Most Prob: 235,000 af (32 percent of average, a decrease of 30,000 af since the last forecast)
Max Prob: 350,000 af (47 percent of average, a decrease of 60,000 af since the last forecast)

Under the current soil moisture conditions, snowpack, and inflow forecast for the runoff season, there are no current plans for a spring peak release at Navajo Reservoir.

Releases for the remainder of the runoff season will be made to maintain the minimum target baseflow in the critical habitat reach and will likely range from 300 to 700 cfs.

As there is no appreciable precipitation on the horizon, the forecasts are expected to continue to trend somewhere between the Min and Most Probable forecasts.

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 Public Operations Coordination Meeting is scheduled for Tuesday, April 24th 2018, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status
The 2016 LTEMP ROD provides the framework for implementing flow-based experiments at Glen Canyon Dam when resource conditions warrant. The purpose of LTEMP experiments is to learn, through adaptive management, how to better protect, mitigate adverse effects to, and improve resources downstream of Glen Canyon Dam, while complying with relevant laws. Ongoing research and monitoring through the Glen Canyon Dam Adaptive Management Program ensures the best science and data is available for making decisions related to experimental releases.

Under the LTEMP, the Department may conduct flow-based experiments (High Flow Experiments, Bug Flows, Trout Management Flows, and Low Summer Flows) at Glen Canyon Dam when resource conditions warrant and if it is determined that there will not be unacceptable adverse impacts on other resources. This is the first year of implementing flow-based experiments under LTEMP, and Reclamation has been following a process similar to that established for High Flow Experiments under prior operational decisions.

The Glen Canyon Dam Experimental Technical Team (Technical Team) recommends that experimental Macroinvertebrate Production Flows (Bug Flows) be implemented at Glen Canyon Dam beginning May 1 through August 31, 2018.

The Bug Flow experiment consists of steady weekend releases from Glen Canyon Dam and normal fluctuating releases during the weekdays. The steady weekend flows are expected to provide favorable conditions for insects to lay eggs along the Colorado River downstream of Glen Canyon Dam, while the minimum flows on weekdays are designed to be similar to flows on the weekends, thus preventing the eggs from drying out. Performing this experiment will not affect the Monthly or Weekly planned release volumes. The affect will only be to the daily distribution volumes, and the peak and low daily flow rates.

At this time we do not have a firm confirmation for a Bug Flow event. However, a final determination for this experiment will likely be made near the end of April.

The unregulated inflow volume to Lake Powell in March was 332 thousand acre-feet (kaf) (50 percent of average). The release volume from Glen Canyon Dam in March was 800 kaf. The end of March elevation and storage of Lake Powell were 3,612 feet (88 feet from full pool) and 13.0 million acre-feet (maf) (53 percent of full capacity), respectively. With a much below average snowpack this water year, the anticipated spring inflows will not be enough to arrest the falling elevation levels on the lake. The reservoir is projected to reach new seasonal low elevations as time progresses on through the end of this year. The basin snowpack reached a peak of 72 percent of the seasonal medium peak on April 10th.

Current Operations

The operating tier for water year 2018 was established in August 2017 as the Upper Elevation Balancing Tier. In the Upper Elevation Balancing Tier the initial water year release volume is 8.23 maf; however, there is the possibility for an April adjustment to equalization or balancing operations to govern for the remainder of the water year. This April 2018 24-Month Study establishes that Lake Powell operations will shift to "balancing releases" for the remainder of water year 2018. Under Balancing, 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 April 24-Month Study projects a balancing release of 9.0 maf in water year 2018; the actual release in water year 2018, however, will depend on hydrology in the remainder of water year and will range from 8.23 to 9.0 maf. The projected release from Lake Powell in water year 2018 will be updated each month throughout the remainder of the water year. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2018.

In April, the release volume will be approximately 705 kaf, with fluctuations anticipated between about 8,650 cfs in the nighttime to about 15,000 cfs in the daytime and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for May is 705 kaf with daily fluctuations between approximately 7,050 cfs and 13,390 cfs. The expected release for June is 760 kaf with daily fluctuations between approximately 8,850 cfs and 16,450 cfs.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 MW of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of up to 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 27 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 April to July 2018 water supply forecast for unregulated inflow to Lake Powell, issued on April 3, 2018, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 3.1 maf (43 percent of

average based on the period 1981-2010). The projected water year 2018 inflow is 5.6 maf (124 percent). At this early point in the season, there is still significant uncertainty regarding this year's water supply. The April-July forecast ranges from a minimum probable of 1.9 maf (27 percent) to a maximum probable of 4.9 maf (68 percent). There is a 10percent 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.

As determined in the August 2017 24-Month Study, and documented in the 2018 Annual Operating Plan, Lake Powell's operations in water year 2018 will be governed by the Upper Elevation Balancing Tier. In this tier, the initial water year release volume is 8.23 maf, however, there is the potential for an April adjustment to equalization or balancing releases in April 2018. This April 2018 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 elevation 1,075.0 feet. Therefore, in accordance with Section 6.B.4 of the 2007 Interim Guidelines, Lake Powell operations will shift to "balancing releases" for the remainder of water year 2018. 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 April most probable inflow forecast, the annual release volume from Lake Powell during water year 2018 is projected to be 9.0 maf. Under the minimum probable inflow scenario, the water year release is projected to be 9.0 maf. Under the maximum probable inflow scenario, the release is projected to be 9.0 maf. There is a 10 percent chance that inflows will be lower than the current minimum probable forecast, potentially resulting in lower releases. If inflows are less than the minimum probable forecast, the water year 2018 annual release could be as low as 8.23 maf. If inflows are greater than the current forecasted maximum probable inflow, the annual release will be 9.0 maf. The projected release from Lake Powell in water year 2018 will be updated each month throughout the remainder of the water year.

Based on the current forecast, the April 24-Month Study projects Lake Powell elevation will end water year 2018 near 3,598 feet with approximately 11.6 maf in storage (48 percent capacity). Projections of elevation and storage still have significant uncertainty at this point in the season, primarily due to uncertainty regarding spring runoff and the resulting inflow to Lake Powell. Under the minimum probable inflow scenario, updated in April, the projected end of water year elevation and storage are 3,589 feet and 10.7 maf (44 percent capacity), respectively. Under the maximum probable inflow scenario, updated in April, the projected end of water year elevation and storage are 3616 feet and 13.3 maf (55 percent capacity), respectively. Modeling of projected reservoir operations based on the minimum and maximum scenarios will be updated again in August.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 18-year period 2000 to 2017, 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 18 years. The

period 2000-2017 is the lowest 18-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.76 maf, or 81percent 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 2000-2017 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 2017 unregulated inflow volume to Lake Powell was 11.9 maf (110 percent of average), the fourth year to be above average. Under the current most probable forecast, the total water year 2018 unregulated inflow to Lake Powell is projected to be 5.6 maf (52 percent of average).

At the beginning of water year 2018, total system storage in the Colorado River Basin was 32.9 maf (55 percent of 59.6 maf total system capacity). This is an increase of 2.7 maf over the total storage at the beginning of water year 2017 when total system storage was 30.2 maf (51 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 a low of 50 percent of capacity at the beginning of water year 2005. One wet year can significantly increase total system reservoir storage, just as persistent dry years can draw down the system storage. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2018 is approximately 28.9 maf (48 percent of total system capacity). The actual end of water year 2018 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow. Based on the April minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2018 total system capacity is approximately 27.7 maf (46 percent of capacity) to 30.9 maf (52 percent of capacity), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
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SALT LAKE CITY, UT 84138-5571
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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:	Obs			jan	Forecast		Outlook		
:	oct	nov	dec	jan %Avg	feb	mar	apr	apr-jul	%Avg
GLDA3:Lake Powell	387	299	262	260 66%:	400/	550/	1150/	3400/:	47%
GBRW4:Fontenelle	62	46	42	38 137%:	55/	95/	175/	840/:	116%
GRNU1:Flaming Gorge	82	52	52	57 128%:	108/	125/	220/	940/:	96%
BMDC2:Blue Mesa	32	25	20	23 103%:	27/	46/	130/	395/:	59%
MPSC2:Morrow Point	34	26	22	24 96%:	30/	55/	141/	430/:	58%
CLSC2:Crystal	38	29	25	27 94%:	35/	62/	160/	475/:	57%
TPIC2:Taylor Park	5.9	4.1	4.2	3.8 100%:	4/	7/	21/	70/:	71%
VCRC2:Vallecito	5.1	3.2	2.7	2.2 46%:	4/	8/	33/	80/:	41%
NVRN5:Navajo	18.8	10.3	12.2	13.4 44%:	30/	60/	130/	285/:	39%
LEMC2:Lemon	0.73	0.50	0.40	0.38 50%:	1/	2/	8/	18/:	33%
MPHC2:McPhee	2.2	0.71	1.68	2.0 40%:	6/	22/	54/	113/:	38%
RBSC2:Ridgway	5.0	3.7	3.4	3.1 86%:	5/	7/	16/	59/:	58%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2017	225	1	0	304	304	6472.17	128
H	May 2017	430	1	54	373	427	6472.55	129
I	Jun 2017	732	2	74	469	543	6502.49	317
S	Jul 2017	332	3	88	230	319	6503.83	328
T	Aug 2017	102	2	95	61	156	6496.34	271
O	Sep 2017	66	2	69	4	72	6495.21	263
	WY 2017	**2319**	**15**	**379**	**1890**	**2270**		
R	Oct 2017	73	1	80	0	80	6494.03	255
I	Nov 2017	62	1	78	0	78	6491.65	238
C	Dec 2017	46	1	72	8	80	6486.39	204
A	Jan 2018	42	1	79	1	80	6479.83	165
L	Feb 2018	38	0	72	0	72	6472.86	131
*	Mar 2018	58	0	16	56	71	6469.78	117
	Apr 2018	95	1	88	0	88	6471.21	124
	May 2018	205	1	98	67	165	6479.32	163
	Jun 2018	370	2	102	118	220	6501.58	311
	Jul 2018	230	3	100	95	195	6505.69	343
	Aug 2018	80	2	85	0	85	6504.78	336
	Sep 2018	47	2	71	0	71	6501.48	310
	WY 2018	**1347**	**15**	**942**	**345**	**1285**		
	Oct 2018	49	1	73	0	73	6498.17	285
	Nov 2018	42	1	71	0	71	6494.12	256
	Dec 2018	32	1	73	0	73	6487.87	214
	Jan 2019	30	1	73	0	73	6480.72	171
	Feb 2019	28	1	66	0	66	6472.92	132
	Mar 2019	53	0	73	0	73	6468.02	111
	Apr 2019	85	1	74	0	74	6470.65	122
	May 2019	164	1	99	11	110	6481.41	175
	Jun 2019	299	2	102	76	178	6499.31	294
	Jul 2019	178	3	101	24	125	6505.73	344
	Aug 2019	77	2	85	0	85	6504.38	333
	Sep 2019	46	2	77	0	77	6500.17	300
	WY 2019	**1083**	**15**	**967**	**111**	**1078**		
	Oct 2019	49	1	73	0	73	6496.67	274
	Nov 2019	42	1	68	0	68	6492.93	248
	Dec 2019	32	1	70	0	70	6487.08	209
	Jan 2020	30	1	70	0	70	6480.34	169
	Feb 2020	28	0	66	0	66	6472.56	130
	Mar 2020	53	0	70	0	70	6468.38	112

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

Model Run ID: 3057

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
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April 2018 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Apr 2017	350	428	5	268	244	511	124	6022.93	3084	745
H	May 2017	582	580	8	278	171	449	129	6026.15	3203	857
I	Jun 2017	895	705	11	263	223	486	137	6031.41	3404	859
S	Jul 2017	387	374	14	180	48	228	142	6034.61	3531	315
T	Aug 2017	120	174	13	143	0	143	143	6035.05	3548	173
O	Sep 2017	87	93	11	141	0	141	140	6033.63	3491	161
	WY 2017	**3153**	**3104**	**81**	**2016**	**712**	**2728**				**4225**
R	Oct 2017	88	95	8	107	0	107	140	6033.17	3473	155
I	Nov 2017	82	98	4	139	0	139	138	6032.07	3430	171
C	Dec 2017	52	86	2	174	0	174	135	6029.85	3343	202
A	Jan 2018	52	90	2	175	0	175	131	6027.65	3259	209
L	Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
*	Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
	Apr 2018	125	118	5	101	0	101	129	6025.97	3196	231
	May 2018	240	200	8	164	0	164	130	6026.69	3223	464
	Jun 2018	400	250	10	147	0	147	133	6029.04	3312	427
	Jul 2018	235	200	14	108	0	108	136	6031.00	3388	148
	Aug 2018	90	95	13	108	0	108	135	6030.37	3363	124
	Sep 2018	56	80	11	104	0	104	134	6029.48	3329	114
	WY 2018	**1563**	**1502**	**81**	**1588**	**1**	**1589**				**2619**
	Oct 2018	60	83	7	108	0	108	133	6028.69	3299	130
	Nov 2018	51	80	3	104	0	104	132	6027.99	3272	131
	Dec 2018	35	76	2	108	0	108	130	6027.14	3240	133
	Jan 2019	40	83	2	108	0	108	129	6026.47	3215	133
	Feb 2019	45	83	2	97	0	97	129	6026.05	3199	125
	Mar 2019	102	123	3	108	0	108	129	6026.37	3211	184
	Apr 2019	134	122	5	104	0	104	130	6026.70	3224	319
	May 2019	245	191	8	170	0	170	130	6027.04	3236	702
	Jun 2019	390	268	10	141	0	141	135	6030.00	3349	561
	Jul 2019	210	158	14	100	0	100	136	6031.09	3391	200
	Aug 2019	89	97	13	100	0	100	136	6030.70	3376	125
	Sep 2019	55	86	11	97	0	97	135	6030.15	3355	116
	WY 2019	**1455**	**1450**	**80**	**1343**	**0**	**1343**				**2859**
	Oct 2019	59	84	7	100	0	100	134	6029.56	3332	132
	Nov 2019	51	77	3	97	0	97	133	6028.97	3310	128
	Dec 2019	35	73	2	100	0	100	132	6028.25	3282	125
	Jan 2020	40	80	2	100	0	100	131	6027.70	3261	125
	Feb 2020	45	82	2	93	0	93	131	6027.37	3249	121
	Mar 2020	102	120	3	100	0	100	131	6027.80	3265	177

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

Model Run ID: 3057

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
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April 2018 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2017	13	9	9312.04	73
H	May 2017	30	19	9318.55	84
I	Jun 2017	62	45	9327.76	102
S	Jul 2017	24	26	9326.95	100
T	Aug 2017	12	25	9320.31	88
O	Sep 2017	8	18	9314.58	77
	WY 2017	**179**	**173**		
R	Oct 2017	8	8	9314.93	78
I	Nov 2017	6	6	9315.09	78
C	Dec 2017	4	6	9313.84	76
A	Jan 2018	4	6	9312.64	74
L	Feb 2018	4	6	9311.50	72
*	Mar 2018	5	6	9310.51	71
	Apr 2018	7	6	9311.16	72
	May 2018	21	10	9317.77	83
	Jun 2018	25	15	9323.29	93
	Jul 2018	9	18	9318.15	84
	Aug 2018	6	15	9312.68	74
	Sep 2018	5	14	9306.69	65
	WY 2018	**104**	**117**		
	Oct 2018	5	6	9306.08	64
	Nov 2018	5	5	9306.05	64
	Dec 2018	5	5	9306.00	64
	Jan 2019	4	5	9305.74	63
	Feb 2019	4	4	9305.40	63
	Mar 2019	4	5	9305.19	63
	Apr 2019	9	10	9304.35	61
	May 2019	28	16	9312.57	74
	Jun 2019	42	21	9324.20	95
	Jul 2019	20	24	9322.42	91
	Aug 2019	10	20	9317.36	82
	Sep 2019	7	15	9312.89	75
	WY 2019	**144**	**134**		
	Oct 2019	7	7	9312.69	74
	Nov 2019	5	5	9312.72	74
	Dec 2019	5	5	9312.41	74
	Jan 2020	4	5	9311.89	73
	Feb 2020	4	5	9311.21	72
	Mar 2020	4	8	9308.98	68

* 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

April 2018 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir

	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2017	145	140	1	53	0	53	7499.55	658
H	May 2017	244	233	1	151	65	293	7491.98	597
I	Jun 2017	392	373	1	139	35	175	7515.35	793
S	Jul 2017	135	137	2	113	0	110	7518.20	819
T	Aug 2017	84	96	1	111	0	111	7516.38	802
O	Sep 2017	35	45	1	115	0	114	7508.43	732
	WY 2017	**1245**	**1238**	**9**	**987**	**101**	**1163**		
R	Oct 2017	37	37	1	102	0	102	7500.64	667
I	Nov 2017	32	32	0	40	0	40	7499.68	659
C	Dec 2017	25	27	0	93	0	93	7491.44	593
A	Jan 2018	20	22	0	60	0	60	7486.51	554
L	Feb 2018	23	25	0	32	0	32	7485.54	547
*	Mar 2018	28	29	0	43	0	43	7483.73	534
	Apr 2018	41	40	1	73	0	73	7479.12	500
	May 2018	127	116	1	67	0	67	7485.64	548
	Jun 2018	129	119	1	59	0	59	7493.16	606
	Jul 2018	48	57	1	82	0	82	7489.85	580
	Aug 2018	35	44	1	81	0	81	7484.92	542
	Sep 2018	29	38	1	67	0	67	7480.91	513
	WY 2018	**574**	**587**	**8**	**798**	**0**	**798**		
	Oct 2018	32	33	0	41	0	41	7479.75	504
	Nov 2018	29	29	0	14	0	14	7481.68	518
	Dec 2018	26	26	0	15	0	15	7483.14	529
	Jan 2019	24	25	0	15	0	15	7484.47	539
	Feb 2019	22	23	0	13	0	13	7485.76	549
	Mar 2019	36	36	0	16	0	16	7488.35	569
	Apr 2019	77	78	1	36	0	36	7493.67	610
	May 2019	221	208	1	152	0	152	7500.49	665
	Jun 2019	261	240	1	103	0	103	7516.24	801
	Jul 2019	117	120	2	99	0	99	7518.39	821
	Aug 2019	63	73	1	108	0	108	7514.30	784
	Sep 2019	38	46	1	107	0	107	7507.12	721
	WY 2019	**947**	**937**	**9**	**720**	**0**	**720**		
	Oct 2019	38	39	1	66	0	66	7503.86	693
	Nov 2019	31	31	0	63	0	63	7500.01	661
	Dec 2019	26	26	0	113	0	113	7489.09	574
	Jan 2020	24	25	0	72	0	72	7482.91	527
	Feb 2020	22	23	0	51	0	51	7479.13	500
	Mar 2020	36	40	0	33	0	33	7479.99	506

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RECLAMATION
Managing Water in the West

April 2018 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2017	157	53	12	66	65	0	65	7149.64	109
H	May 2017	263	293	19	312	203	0	312	7149.70	109
I	Jun 2017	411	175	19	195	184	0	193	7151.34	110
S	Jul 2017	139	110	4	114	37	0	111	7155.13	113
T	Aug 2017	86	111	2	113	0	0	115	7152.68	111
O	Sep 2017	35	114	0	115	92	0	112	7155.62	114
	WY 2017	**1314**	**1163**	**69**	**1232**	**893**	**0**	**1226**		
R	Oct 2017	38	102	1	103	105	0	105	7153.17	112
I	Nov 2017	34	40	1	41	42	0	42	7152.45	111
C	Dec 2017	26	93	1	94	94	0	94	7152.45	111
A	Jan 2018	22	60	2	62	62	0	63	7150.65	110
L	Feb 2018	24	32	1	33	34	0	34	7149.19	108
*	Mar 2018	29	43	1	44	49	0	49	7143.05	104
	Apr 2018	49	73	8	81	73	0	73	7153.73	112
	May 2018	137	67	10	77	77	0	77	7153.73	112
	Jun 2018	139	59	10	69	69	0	69	7153.73	112
	Jul 2018	50	82	2	84	84	0	84	7153.73	112
	Aug 2018	37	81	2	83	83	0	83	7153.73	112
	Sep 2018	31	67	2	69	69	0	69	7153.73	112
	WY 2018	**616**	**798**	**42**	**840**	**840**	**0**	**842**		
	Oct 2018	34	41	2	43	43	0	43	7153.73	112
	Nov 2018	31	14	2	16	16	0	16	7153.73	112
	Dec 2018	28	15	2	17	17	0	17	7153.73	112
	Jan 2019	27	15	2	17	17	0	17	7153.73	112
	Feb 2019	25	13	3	16	16	0	16	7153.73	112
	Mar 2019	40	16	4	20	20	0	20	7153.73	112
	Apr 2019	88	36	11	47	47	0	47	7153.73	112
	May 2019	247	152	26	178	178	0	178	7153.73	112
	Jun 2019	281	103	20	123	123	0	123	7153.73	112
	Jul 2019	123	99	6	105	105	0	105	7153.73	112
	Aug 2019	67	108	3	112	112	0	112	7153.73	112
	Sep 2019	41	107	3	110	110	0	110	7153.73	112
	WY 2019	**1031**	**720**	**84**	**804**	**804**	**0**	**804**		
	Oct 2019	41	66	3	68	68	0	68	7153.73	112
	Nov 2019	33	63	2	65	65	0	65	7153.73	112
	Dec 2019	28	113	2	115	115	0	115	7153.73	112
	Jan 2020	27	72	2	74	74	0	74	7153.73	112
	Feb 2020	25	51	3	54	54	0	54	7153.73	112
	Mar 2020	40	33	4	37	37	0	37	7153.73	112

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 24-Month Study

Most Probable Inflow*

Crystal Reservoir

	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Apr 2017	167	65	10	75	31	44	75	6751.65	17	39	38
H	May 2017	285	312	22	334	86	73	331	6759.83	19	62	270
I	Jun 2017	446	193	36	229	44	127	231	6751.78	17	61	172
S	Jul 2017	148	111	8	119	96	25	121	6746.24	15	63	60
T	Aug 2017	89	115	3	119	119	0	119	6744.79	15	62	58
O	Sep 2017	39	112	4	116	115	0	115	6748.63	16	59	56
	WY 2017	**1423**	**1226**	**109**	**1335**	**751**	**350**	**1334**			**413**	**929**
R	Oct 2017	43	105	5	110	109	0	109	6751.20	16	55	53
I	Nov 2017	38	42	4	46	46	0	46	6749.89	16	1	46
C	Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
A	Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	66
L	Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	36
*	Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	39
	Apr 2018	56	73	7	80	78	0	78	6753.04	17	42	36
	May 2018	154	77	17	94	94	0	94	6753.04	17	62	32
	Jun 2018	153	69	14	83	83	0	83	6753.04	17	61	22
	Jul 2018	52	84	2	86	86	0	86	6753.04	17	63	23
	Aug 2018	40	83	3	86	86	0	86	6753.04	17	65	21
	Sep 2018	36	69	5	74	74	0	74	6753.04	17	55	19
	WY 2018	**686**	**842**	**70**	**912**	**885**	**25**	**910**			**419**	**491**
	Oct 2018	40	43	5	49	49	0	49	6753.04	17	30	19
	Nov 2018	35	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2018	32	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2019	31	17	5	22	22	0	22	6753.04	17	0	22
	Feb 2019	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2019	46	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2019	101	47	12	60	60	0	60	6753.04	17	42	18
	May 2019	281	178	34	212	134	78	212	6753.04	17	62	150
	Jun 2019	315	123	34	157	130	27	157	6753.04	17	61	96
	Jul 2019	138	105	14	120	120	0	120	6753.04	17	65	55
	Aug 2019	75	112	8	120	120	0	120	6753.04	17	65	55
	Sep 2019	47	110	6	116	116	0	116	6753.04	17	55	61
	WY 2019	**1170**	**804**	**139**	**943**	**838**	**105**	**943**			**385**	**558**
	Oct 2019	47	68	6	74	74	0	74	6753.04	17	30	44
	Nov 2019	38	65	5	70	70	0	70	6753.04	17	0	70
	Dec 2019	32	115	5	120	120	0	120	6753.04	17	0	120
	Jan 2020	31	74	5	79	79	0	79	6753.04	17	0	79
	Feb 2020	29	54	4	58	58	0	58	6753.04	17	0	58
	Mar 2020	46	37	6	43	43	0	43	6753.04	17	5	38

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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)
*	Apr 2017	45	35	7649.82	87
H	May 2017	67	44	7658.86	109
I	Jun 2017	72	57	7664.54	124
S	Jul 2017	30	39	7660.94	115
T	Aug 2017	19	33	7655.15	100
O	Sep 2017	9	34	7644.31	74
	WY 2017	**303**	**297**		
R	Oct 2017	9	22	7638.22	61
I	Nov 2017	5	2	7639.49	63
C	Dec 2017	3	1	7640.27	65
A	Jan 2018	3	0	7641.42	67
L	Feb 2018	3	0	7642.57	70
*	Mar 2018	4	0	7644.11	73
	Apr 2018	7	0	7646.89	80
	May 2018	26	22	7648.41	83
	Jun 2018	18	31	7642.69	70
	Jul 2018	9	30	7632.25	49
	Aug 2018	9	27	7620.80	30
	Sep 2018	8	22	7608.98	16
	WY 2018	**103**	**158**		
	Oct 2018	10	13	7605.99	14
	Nov 2018	7	2	7611.59	19
	Dec 2018	6	2	7615.57	24
	Jan 2019	5	2	7618.42	27
	Feb 2019	5	2	7620.70	30
	Mar 2019	9	2	7625.19	37
	Apr 2019	23	2	7636.98	58
	May 2019	71	31	7654.49	98
	Jun 2019	70	44	7664.42	124
	Jul 2019	29	42	7659.34	110
	Aug 2019	20	38	7652.03	92
	Sep 2019	17	30	7646.79	79
	WY 2019	**274**	**208**		
	Oct 2019	16	17	7646.03	78
	Nov 2019	9	2	7648.97	85
	Dec 2019	6	2	7650.81	89
	Jan 2020	5	2	7652.23	92
	Feb 2020	5	2	7653.41	95
	Mar 2020	9	2	7656.02	102

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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)
*	Apr 2017	235	33	193	3	19	33	6078.18	1598	132
H	May 2017	261	45	195	4	25	228	6073.94	1536	323
I	Jun 2017	231	46	166	5	40	259	6063.90	1398	458
S	Jul 2017	49	11	48	4	43	38	6061.00	1361	95
T	Aug 2017	30	5	38	4	35	36	6058.07	1323	57
O	Sep 2017	9	2	33	3	23	42	6055.28	1289	46
	WY 2017	**1157**	**160**	**991**	**28**	**198**	**785**			**1422**
R	Oct 2017	38	2	49	2	8	32	6055.89	1296	52
I	Nov 2017	19	0	16	1	0	25	6055.04	1286	42
C	Dec 2017	10	0	9	1	0	24	6053.69	1270	41
A	Jan 2018	12	0	9	1	0	23	6052.47	1255	40
L	Feb 2018	14	0	11	1	1	18	6051.73	1246	33
*	Mar 2018	24	2	19	2	6	21	6050.92	1236	29
	Apr 2018	55	2	46	2	20	32	6050.24	1228	47
	May 2018	105	7	94	3	35	22	6053.13	1263	73
	Jun 2018	51	3	61	4	51	27	6051.33	1241	76
	Jul 2018	24	0	45	4	56	44	6046.29	1183	61
	Aug 2018	29	0	47	3	47	44	6042.13	1136	63
	Sep 2018	29	0	43	2	26	35	6040.24	1115	53
	WY 2018	**410**	**17**	**449**	**25**	**250**	**347**			**608**
	Oct 2018	37	0	39	1	9	26	6040.44	1118	46
	Nov 2018	30	0	24	1	0	21	6040.70	1120	36
	Dec 2018	25	0	21	1	0	22	6040.56	1119	37
	Jan 2019	22	0	18	1	0	22	6040.22	1115	35
	Feb 2019	30	0	27	1	0	19	6040.86	1122	32
	Mar 2019	92	0	86	1	5	22	6046.01	1179	44
	Apr 2019	170	2	147	2	21	21	6054.73	1282	73
	May 2019	277	7	230	4	36	26	6067.55	1447	172
	Jun 2019	224	3	194	5	52	30	6075.26	1555	181
	Jul 2019	66	0	79	5	57	44	6073.37	1528	112
	Aug 2019	45	0	63	4	48	63	6069.67	1476	102
	Sep 2019	43	0	55	3	26	55	6067.57	1447	87
	WY 2019	**1061**	**12**	**983**	**28**	**254**	**370**			**957**
	Oct 2019	47	0	48	2	10	31	6068.02	1453	59
	Nov 2019	34	0	27	1	0	30	6067.71	1449	48
	Dec 2019	25	0	21	1	0	31	6066.91	1438	46
	Jan 2020	22	0	18	1	0	31	6065.94	1425	44
	Feb 2020	30	0	27	1	0	29	6065.75	1423	41
	Mar 2020	92	0	86	2	6	31	6069.25	1470	53

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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)
*	Apr 2017	1608	1494	23	623	0	623	3604.14	5026	12149	629
H	May 2017	2377	2321	29	652	0	652	3619.09	5147	13667	658
I	Jun 2017	3115	2680	51	749	0	749	3634.89	5286	15408	763
S	Jul 2017	1073	889	64	850	0	850	3634.69	5284	15385	875
T	Aug 2017	446	495	63	900	0	900	3630.88	5250	14952	929
O	Sep 2017	196	410	57	663	0	663	3628.31	5227	14664	671
	WY 2017	**11905**	**11396**	**409**	**8874**	**126**	**9000**				**9152**
R	Oct 2017	449	533	39	640	0	640	3627.09	5216	14530	634
I	Nov 2017	387	454	37	630	0	630	3625.29	5200	14332	619
C	Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	733
A	Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	860
L	Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	748
*	Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	832
	Apr 2018	450	448	25	705	0	705	3609.65	5069	12695	713
	May 2018	850	672	29	705	0	705	3609.08	5065	12638	711
	Jun 2018	1250	957	45	760	0	760	3610.48	5076	12779	768
	Jul 2018	550	532	53	860	0	860	3606.95	5048	12426	879
	Aug 2018	270	395	52	900	0	900	3601.68	5007	11911	918
	Sep 2018	250	368	46	670	0	670	3598.30	4981	11589	681
	WY 2018	**5618**	**6068**	**389**	**9000**	**0**	**9000**				**9096**
	Oct 2018	380	436	32	640	0	640	3595.98	4963	11370	646
	Nov 2018	412	441	30	640	0	640	3593.69	4946	11158	640
	Dec 2018	363	421	24	720	0	720	3590.43	4922	10859	725
	Jan 2019	361	418	7	860	0	860	3585.79	4889	10444	871
	Feb 2019	393	426	7	750	0	750	3582.28	4865	10136	754
	Mar 2019	665	585	12	800	0	800	3579.84	4848	9926	805
	Apr 2019	1056	858	20	710	0	710	3581.23	4857	10045	718
	May 2019	2343	1990	25	710	0	710	3594.23	4950	11208	716
	Jun 2019	2666	2120	42	750	0	750	3607.07	5049	12438	758
	Jul 2019	1091	998	53	850	0	850	3607.96	5056	12526	869
	Aug 2019	500	622	52	900	0	900	3604.86	5031	12220	918
	Sep 2019	408	557	48	670	0	670	3603.33	5019	12071	681
	WY 2019	**10637**	**9873**	**352**	**9000**	**0**	**9000**				**9100**
	Oct 2019	512	574	33	640	0	640	3602.39	5012	11979	646
	Nov 2019	473	546	32	640	0	640	3601.19	5003	11864	640
	Dec 2019	363	521	25	720	0	720	3599.01	4986	11656	725
	Jan 2020	361	477	8	860	0	860	3595.16	4957	11294	871
	Feb 2020	393	469	8	750	0	750	3592.27	4936	11027	754
	Mar 2020	665	604	13	800	0	800	3590.14	4920	10833	805

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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)
*	Apr 2017	623	92	39	961	16.1	20	960	677	1084.89	10420
H	May 2017	652	39	44	917	14.9	29	915	659	1081.56	10141
I	Jun 2017	749	17	53	864	14.5	29	864	648	1079.52	9971
S	Jul 2017	850	89	66	885	14.4	31	885	646	1079.03	9931
T	Aug 2017	900	94	70	683	11.1	28	683	658	1081.44	10131
O	Sep 2017	663	70	58	600	10.1	21	591	662	1082.05	10182
	WY 2017	**9000**	**995**	**541**	**8620**		**236**	**8591**			
R	Oct 2017	640	44	43	596	9.7	23	595	663	1082.30	10202
I	Nov 2017	630	40	42	731	12.3	16	731	656	1080.95	10090
C	Dec 2017	740	43	37	594	9.7	12	593	664	1082.52	10221
A	Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
L	Feb 2018	730	61	28	687	12.4	11	693	696	1088.21	10703
*	Mar 2018	800	71	32	833	13.5	16	832	695	1088.11	10694
	Apr 2018	705	48	39	1002	16.8	23	1002	676	1084.68	10402
	May 2018	705	31	44	1001	16.3	27	1001	656	1080.91	10086
	Jun 2018	760	12	53	906	15.2	33	906	642	1078.41	9880
	Jul 2018	860	81	66	862	14.0	36	862	641	1078.16	9859
	Aug 2018	900	112	70	750	12.2	34	750	650	1079.95	10007
	Sep 2018	670	105	58	779	13.1	27	779	645	1078.94	9924
	WY 2018	**9000**	**726**	**542**	**9191**		**267**	**9193**			
	Oct 2018	640	69	42	579	9.4	28	579	649	1079.62	9980
	Nov 2018	640	61	42	741	12.4	21	741	642	1078.45	9883
	Dec 2018	720	50	36	665	10.8	14	665	646	1079.08	9935
	Jan 2019	860	78	30	619	10.1	12	619	663	1082.21	10195
	Feb 2019	750	93	28	685	12.3	14	685	670	1083.51	10304
	Mar 2019	800	56	31	1055	17.2	21	1055	654	1080.69	10069
	Apr 2019	710	48	38	1059	17.8	23	1059	632	1076.57	9729
	May 2019	710	31	43	967	15.7	27	967	614	1073.14	9451
	Jun 2019	750	12	51	880	14.8	33	880	602	1070.76	9260
	Jul 2019	850	81	64	839	13.7	36	839	601	1070.67	9253
	Aug 2019	900	112	68	740	12.0	34	740	612	1072.66	9412
	Sep 2019	670	105	56	747	12.6	27	747	608	1072.01	9360
	WY 2019	**9000**	**796**	**529**	**9577**		**290**	**9577**			
	Oct 2019	640	69	41	510	8.3	28	510	616	1073.53	9482
	Nov 2019	640	61	41	670	11.3	21	670	614	1073.16	9453
	Dec 2019	720	50	36	594	9.7	14	594	622	1074.63	9571
	Jan 2020	860	78	29	607	9.9	14	607	640	1077.94	9841
	Feb 2020	750	93	27	663	11.5	17	663	648	1079.49	9969
	Mar 2020	800	56	30	988	16.1	22	988	637	1077.40	9796

* 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

April 2018 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)
*	Apr 2017	961	-23	17	955	0	955	16.1	642.45	1684
H	May 2017	917	-13	22	846	0	846	13.8	643.74	1719
I	Jun 2017	864	-6	25	853	0	853	14.3	643.01	1699
S	Jul 2017	885	-5	26	809	0	809	13.2	644.65	1744
T	Aug 2017	683	-8	23	707	0	707	11.5	642.64	1689
O	Sep 2017	600	-11	18	656	0	656	11.0	639.47	1603
	WY 2017	**8620**	**-183**	**199**	**8261**	**0**	**8261**			
R	Oct 2017	596	-2	15	671	0	671	10.9	636.00	1512
I	Nov 2017	731	-18	11	595	0	595	10.0	640.07	1619
C	Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
A	Jan 2018	449	2	10	437	0	437	7.1	640.86	1641
L	Feb 2018	687	-4	10	611	0	611	11.0	643.18	1704
*	Mar 2018	833	-1	13	836	0	836	13.6	642.57	1687
	Apr 2018	1002	-20	17	954	0	954	16.0	643.00	1699
	May 2018	1001	-12	22	967	0	967	15.7	643.00	1699
	Jun 2018	906	-15	25	893	0	893	15.0	642.00	1671
	Jul 2018	862	-15	25	835	0	835	13.6	641.50	1658
	Aug 2018	750	-12	23	716	0	716	11.6	641.50	1658
	Sep 2018	779	-12	18	789	0	789	13.3	640.01	1617
	WY 2018	**9191**	**-126**	**197**	**8853**	**0**	**8853**			
	Oct 2018	579	-4	15	744	0	744	12.1	633.00	1434
	Nov 2018	741	-12	10	667	0	667	11.2	635.00	1486
	Dec 2018	665	-12	9	546	0	546	8.9	638.71	1583
	Jan 2019	619	-19	10	507	0	507	8.2	641.80	1666
	Feb 2019	685	-15	10	660	0	660	11.9	641.80	1666
	Mar 2019	1055	-17	13	991	0	991	16.1	643.05	1700
	Apr 2019	1059	-20	17	1024	0	1024	17.2	643.00	1699
	May 2019	967	-12	22	933	0	933	15.2	643.00	1699
	Jun 2019	880	-15	25	867	0	867	14.6	642.00	1671
	Jul 2019	839	-15	25	812	0	812	13.2	641.50	1658
	Aug 2019	740	-12	23	706	0	706	11.5	641.50	1658
	Sep 2019	747	-12	18	757	0	757	12.7	640.01	1617
	WY 2019	**9577**	**-166**	**197**	**9213**	**0**	**9213**			
	Oct 2019	510	-4	15	675	0	675	11.0	633.00	1434
	Nov 2019	670	-12	10	596	0	596	10.0	635.00	1486
	Dec 2019	594	-12	9	476	0	476	7.7	638.71	1583
	Jan 2020	607	-19	10	495	0	495	8.1	641.80	1666
	Feb 2020	663	-15	10	638	0	638	11.1	641.80	1666
	Mar 2020	988	-17	13	923	0	923	15.0	643.05	1700

* 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

April 2018 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)
*	Apr 2017	955	13	11	729	12.3	42	160	448.73	594	181	3.0
H	May 2017	846	22	13	634	10.3	44	175	448.31	586	111	1.8
I	Jun 2017	853	0	15	689	11.6	57	79	448.41	588	126	2.1
S	Jul 2017	809	18	17	666	10.8	58	71	448.63	592	131	2.1
T	Aug 2017	707	12	17	570	9.3	58	70	448.28	585	102	1.7
O	Sep 2017	656	16	15	481	8.1	56	134	447.17	564	104	1.7
	WY 2017	**8261**	**220**	**140**	**6204**		**664**	**1406**			**1513**	
R	Oct 2017	671	9	12	478	7.8	69	131	446.27	548	65	1.1
I	Nov 2017	595	12	9	349	5.9	89	127	447.86	577	99	1.7
C	Dec 2017	552	17	7	335	5.5	100	144	446.80	557	109	1.8
A	Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
L	Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
*	Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
	Apr 2018	954	16	11	719	12.1	68	162	447.50	570	175	2.9
	May 2018	967	15	13	662	10.8	85	186	448.70	593	119	1.9
	Jun 2018	893	13	16	709	11.9	82	85	448.70	593	127	2.1
	Jul 2018	835	21	17	680	11.1	85	74	448.00	580	135	2.2
	Aug 2018	716	23	17	601	9.8	85	33	447.50	571	104	1.7
	Sep 2018	789	17	15	524	8.8	82	176	447.50	570	96	1.6
	WY 2018	**8853**	**145**	**139**	**6452**		**849**	**1455**			**1494**	
	Oct 2018	744	23	12	475	7.7	85	188	447.50	571	65	1.1
	Nov 2018	667	16	9	389	6.5	91	188	447.50	571	99	1.7
	Dec 2018	546	18	7	295	4.8	94	183	446.50	552	109	1.8
	Jan 2019	507	21	6	318	5.2	79	121	446.50	552	138	2.2
	Feb 2019	660	11	8	485	8.7	51	121	446.50	552	160	2.9
	Mar 2019	991	7	9	718	11.7	69	189	446.70	555	198	3.2
	Apr 2019	1024	16	11	710	11.9	89	184	448.70	593	175	2.9
	May 2019	933	15	13	642	10.4	90	189	448.70	593	104	1.7
	Jun 2019	867	13	16	683	11.5	89	79	448.70	593	105	1.8
	Jul 2019	812	21	17	647	10.5	90	79	448.00	580	111	1.8
	Aug 2019	706	23	17	589	9.6	90	29	447.50	571	100	1.6
	Sep 2019	757	17	15	509	8.6	89	152	447.50	570	89	1.5
	WY 2019	**9213**	**200**	**139**	**6460**		**1007**	**1702**			**1453**	
	Oct 2019	675	23	12	490	8.0	48	141	447.50	571	74	1.2
	Nov 2019	596	16	9	408	6.9	48	141	447.50	571	116	1.9
	Dec 2019	476	18	7	313	5.1	48	141	446.50	552	131	2.1
	Jan 2020	495	21	6	313	5.1	86	106	446.50	552	134	2.2
	Feb 2020	638	11	8	479	8.3	57	100	446.50	552	155	2.7
	Mar 2020	923	7	9	708	11.5	76	125	446.70	555	191	3.1

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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
*	Apr 2017	961	16.1	1084.89	10420	-287	439.75	1227.0	381.0	76	396.5
H	May 2017	917	14.9	1081.56	10141	-280	434.83	1307.0	360.6	80	393.4
I	Jun 2017	864	14.5	1079.52	9971	-169	433.52	1500.0	335.0	94	387.5
S	Jul 2017	885	14.4	1079.03	9931	-40	432.24	1499.0	341.1	94	385.5
T	Aug 2017	683	11.1	1081.44	10131	200	436.25	1478.1	261.0	93	382.0
O	Sep 2017	600	10.1	1082.05	10182	51	440.10	976.1	230.7	66	384.8
	WY 2017	**8620**							**3347.1**		
R	Oct 2017	596	9.7	1082.30	10202	21	441.43	976.1	229.0	66	384.2
I	Nov 2017	731	12.3	1080.95	10090	-113	435.01	996.0	287.9	63	393.6
C	Dec 2017	594	9.7	1082.52	10221	131	439.05	821.0	235.7	52	396.6
A	Jan 2018	449	7.3	1087.50	10642	421	442.14	834.0	176.5	51	392.9
L	Feb 2018	687	12.4	1088.21	10703	61	441.97	1220.1	275.0	75	400.3
*	Mar 2018	833	13.5	1088.11	10694	-9	442.23	1005.9	333.9	62	400.8
	Apr 2018	1002	16.8	1084.68	10402	-292	437.80	880.9	411.8	55	410.9
	May 2018	1001	16.3	1080.91	10086	-316	429.86	1478.0	386.0	95	385.5
	Jun 2018	906	15.2	1078.41	9880	-206	426.51	1552.0	349.0	100	385.3
	Jul 2018	862	14.0	1078.16	9859	-21	425.64	1552.0	335.4	100	389.2
	Aug 2018	750	12.2	1079.95	10007	148	426.56	1552.0	288.4	100	384.5
	Sep 2018	779	13.1	1078.94	9924	-83	427.44	1552.0	302.5	100	388.2
	WY 2018	**9191**							**3611.1**		
	Oct 2018	579	9.4	1079.62	9980	56	432.80	1058.0	225.0	68	388.4
	Nov 2018	741	12.4	1078.45	9883	-97	433.53	1248.0	291.9	80	394.1
	Dec 2018	665	10.8	1079.08	9935	52	432.10	1146.9	257.4	74	387.4
	Jan 2019	619	10.1	1082.21	10195	260	433.52	904.0	244.3	57	394.8
	Feb 2019	685	12.3	1083.51	10304	109	434.68	909.0	274.3	58	400.6
	Mar 2019	1055	17.2	1080.69	10069	-236	432.88	993.0	424.3	64	402.1
	Apr 2019	1059	17.8	1076.57	9729	-340	427.24	1237.0	414.8	80	391.7
	May 2019	967	15.7	1073.14	9451	-278	422.11	1414.0	371.2	94	383.8
	Jun 2019	880	14.8	1070.76	9260	-190	418.87	1499.0	331.9	100	377.1
	Jul 2019	839	13.7	1070.67	9253	-8	418.14	1499.0	320.1	100	381.3
	Aug 2019	740	12.0	1072.66	9412	159	419.24	1512.0	279.5	100	377.5
	Sep 2019	747	12.6	1072.01	9360	-52	420.39	1521.5	284.2	100	380.2
	WY 2019	**9577**							**3718.8**		
	Oct 2019	510	8.3	1073.53	9482	122	425.65	1140.1	197.8	75	387.4
	Nov 2019	670	11.3	1073.16	9453	-29	427.91	1224.7	257.6	80	384.7
	Dec 2019	594	9.7	1074.63	9571	118	427.23	1139.0	228.1	74	384.0
	Jan 2020	607	9.9	1077.94	9841	270	429.84	797.2	238.5	51	392.8
	Feb 2020	663	11.5	1079.49	9969	128	431.22	805.9	263.1	52	396.8
	Mar 2020	988	16.1	1077.40	9796	-173	429.91	890.1	394.2	57	399.2

* 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

April 2018 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
*	Apr 2017	955	16.1	642.45	1684	-34	138.31	204.0	131.0	80	137.2
H	May 2017	846	13.8	643.74	1719	35	142.74	232.0	108.4	91	128.1
I	Jun 2017	853	14.3	643.01	1699	-20	141.59	255.0	107.4	100	126.0
S	Jul 2017	809	13.2	644.65	1744	45	143.65	255.0	101.5	100	125.5
T	Aug 2017	707	11.5	642.64	1689	-55	143.10	255.0	89.9	100	127.1
O	Sep 2017	656	11.0	639.47	1603	-86	138.07	253.3	83.2	99	126.8
	WY 2017	**8261**							**1061.4**		
R	Oct 2017	671	10.9	636.00	1512	-91	134.26	179.3	81.3	70	121.3
I	Nov 2017	595	10.0	640.07	1619	107	138.81	151.3	73.1	59	122.7
C	Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
A	Jan 2018	437	7.1	640.86	1641	5	141.78	159.6	55.0	63	125.9
L	Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
*	Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
	Apr 2018	954	16.0	643.00	1699	12	137.12	207.4	119.0	81	124.8
	May 2018	967	15.7	643.00	1699	0	137.43	204.0	120.9	80	125.1
	Jun 2018	893	15.0	642.00	1671	-27	135.51	255.0	111.4	100	124.8
	Jul 2018	835	13.6	641.50	1658	-14	134.73	255.0	104.0	100	124.6
	Aug 2018	716	11.6	641.50	1658	0	134.46	255.0	89.5	100	125.0
	Sep 2018	789	13.3	640.01	1617	-40	133.68	255.0	97.7	100	123.8
	WY 2018	**8853**							**1103.3**		
	Oct 2018	744	12.1	633.00	1434	-183	130.59	207.3	89.5	81	120.4
	Nov 2018	667	11.2	635.00	1486	51	129.19	170.0	78.9	67	118.4
	Dec 2018	546	8.9	638.71	1583	97	132.25	167.8	66.6	66	121.9
	Jan 2019	507	8.2	641.80	1666	83	134.43	210.6	63.5	83	125.2
	Feb 2019	660	11.9	641.80	1666	0	136.73	187.6	82.6	74	125.2
	Mar 2019	991	16.1	643.05	1700	34	137.26	190.8	123.2	75	124.4
	Apr 2019	1024	17.2	643.00	1699	-1	136.07	255.0	127.6	100	124.6
	May 2019	933	15.2	643.00	1699	0	136.04	255.0	116.8	100	125.2
	Jun 2019	867	14.6	642.00	1671	-27	135.51	255.0	108.3	100	125.0
	Jul 2019	812	13.2	641.50	1658	-14	134.73	255.0	101.3	100	124.7
	Aug 2019	706	11.5	641.50	1658	0	134.46	255.0	88.3	100	125.1
	Sep 2019	757	12.7	640.01	1617	-40	133.68	255.0	93.9	100	124.0
	WY 2019	**9213**							**1140.6**		
	Oct 2019	675	11.0	633.00	1434	-183	130.59	207.3	81.5	81	120.8
	Nov 2019	596	10.0	635.00	1486	51	129.19	170.0	70.8	67	118.9
	Dec 2019	476	7.7	638.71	1583	97	132.25	167.8	58.2	66	122.3
	Jan 2020	495	8.1	641.80	1666	83	133.85	230.3	62.1	90	125.3
	Feb 2020	638	11.1	641.80	1666	0	136.73	187.6	80.1	74	125.5
	Mar 2020	923	15.0	643.05	1700	34	137.26	190.8	115.1	75	124.8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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
*	Apr 2017	729	12.3	448.73	594	17	80.51	120.0	51.3	100	70.3
H	May 2017	634	10.3	448.31	586	-8	82.36	120.0	44.8	100	70.6
I	Jun 2017	689	11.6	448.41	588	2	80.56	120.0	48.1	100	69.9
S	Jul 2017	666	10.8	448.63	592	4	82.74	120.0	46.5	100	69.9
T	Aug 2017	570	9.3	448.28	585	-7	82.37	120.0	39.9	100	70.0
O	Sep 2017	481	8.1	447.17	564	-21	81.08	120.0	33.8	100	70.2
	WY 2017	**6204**							**434.1**		
R	Oct 2017	478	7.8	446.27	548	-17	80.03	92.9	33.6	77	70.4
I	Nov 2017	349	5.9	447.86	577	30	81.65	90.0	24.1	75	69.2
C	Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
A	Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
L	Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
*	Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
	Apr 2018	719	12.1	447.50	570	1	74.87	120.0	47.2	100	65.7
	May 2018	662	10.8	448.70	593	23	75.47	120.0	43.7	100	65.9
	Jun 2018	709	11.9	448.70	593	0	76.05	120.0	47.2	100	66.6
	Jul 2018	680	11.1	448.00	580	-13	75.71	120.0	45.0	100	66.2
	Aug 2018	601	9.8	447.50	571	-9	75.13	120.0	39.3	100	65.5
	Sep 2018	524	8.8	447.50	570	0	74.89	120.0	34.1	100	65.0
	WY 2018	**6453**							**434.7**		
	Oct 2018	475	7.7	447.50	571	0	76.19	91.9	31.3	77	65.9
	Nov 2018	389	6.5	447.50	571	0	75.83	99.0	25.3	83	65.0
	Dec 2018	295	4.8	446.50	552	-19	74.40	120.0	18.5	100	62.7
	Jan 2019	318	5.2	446.50	552	0	75.02	95.8	20.2	80	63.6
	Feb 2019	485	8.7	446.50	552	0	75.21	92.1	31.8	77	65.5
	Mar 2019	718	11.7	446.70	555	4	74.34	112.3	46.9	94	65.3
	Apr 2019	710	11.9	448.70	593	38	75.08	120.0	46.7	100	65.8
	May 2019	642	10.4	448.70	593	0	76.05	120.0	42.6	100	66.3
	Jun 2019	683	11.5	448.70	593	0	76.05	120.0	45.4	100	66.5
	Jul 2019	647	10.5	448.00	580	-13	75.71	120.0	42.7	100	66.1
	Aug 2019	589	9.6	447.50	571	-9	75.13	120.0	38.5	100	65.4
	Sep 2019	509	8.6	447.50	570	0	74.89	120.0	33.1	100	65.0
	WY 2019	**6460**							**423.0**		
	Oct 2019	490	8.0	447.50	571	0	76.29	90.0	32.4	75	66.1
	Nov 2019	408	6.9	447.50	571	0	76.14	93.0	26.7	78	65.5
	Dec 2019	313	5.1	446.50	552	-19	74.40	120.0	19.7	100	63.0
	Jan 2020	313	5.1	446.50	552	0	75.02	95.8	19.9	80	63.6
	Feb 2020	479	8.3	446.50	552	0	75.21	92.1	31.3	77	65.4
	Mar 2020	708	11.5	446.70	555	4	74.34	112.3	46.2	94	65.3

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 24-Month Study

Most Probable Inflow*

Upper Basin Power

	Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
*	Apr 2017	270	102	15	22	6	0
H	May 2017	291	105	43	72	17	4
I	Jun 2017	346	102	40	66	8	6
S	Jul 2017	399	71	35	13	18	8
T	Aug 2017	421	56	34	0	22	9
O	Sep 2017	306	56	35	33	22	6
	Summer 2017	**2033**	**492**	**202**	**207**	**93**	**33**
R	Oct 2017	294	42	30	37	21	7
I	Nov 2017	288	55	12	14	8	7
C	Dec 2017	339	68	27	33	19	6
A	Jan 2018	394	68	17	21	12	6
L	Feb 2018		60	9	12	3	5
*	Mar 2018	364	41	12	16	9	1
	Winter 2018	**1679**	**334**	**107**	**133**	**71**	**31**
	Apr 2018	286	37	21	26	13	6
	May 2018	284	60	19	28	16	7
	Jun 2018	307	54	17	25	14	9
	Jul 2018	346	40	24	30	15	10
	Aug 2018	359	40	24	30	15	8
	Sep 2018	265	38	19	25	13	7
	Summer 2018	**1847**	**268**	**125**	**164**	**87**	**46**
	Oct 2018	252	39	12	16	8	7
	Nov 2018	251	38	4	6	4	6
	Dec 2018	280	39	4	6	4	6
	Jan 2019	332	39	4	6	4	6
	Feb 2019	287	35	4	6	3	5
	Mar 2019	304	39	5	7	5	5
	Winter 2019	**1704**	**231**	**33**	**46**	**27**	**34**
	Apr 2019	270	38	11	17	10	5
	May 2019	273	62	46	64	23	7
	Jun 2019	297	52	32	44	22	9
	Jul 2019	341	37	31	38	21	10
	Aug 2019	361	37	34	40	21	8
	Sep 2019	267	36	33	40	20	7
	Summer 2019	**1809**	**261**	**187**	**243**	**117**	**45**
	Oct 2019	255	37	20	25	13	7
	Nov 2019	254	35	19	23	12	6
	Dec 2019	285	37	34	42	21	6
	Jan 2020	338	37	21	27	14	5
	Feb 2020	293	34	15	19	10	5
	Mar 2020	311	37	9	13	7	5
	Winter 2020	**1424**	**180**	**109**	**135**	**69**	**29**

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2018 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****										
Apr 2018	792	296	460	11366	12913	16683	29596	480	64	121	665	11366	16683	28713	1500	1002	0	30.6
May 2018	774	330	468	11627	13198	16975	30173	456	96	107	659	11627	16975	29261	1500	1001	0	30.4
Jun 2018	708	282	433	11684	13107	17291	30398	380	36	34	450	11684	17291	29425	1500	906	0	30.6
Jul 2018	471	223	455	11543	12692	17497	30189	127	-34	1	94	11543	17497	29134	1500	862	0	30.2
								****CREDITABLE SPACE****										
Aug 2018	363	249	513	11896	13022	17518	30540	363	249	513	1126	11896	17518	30540	1500	750	0	29.7
Sep 2018	395	287	560	12411	13653	17370	31023	395	287	560	1242	12411	17370	31023	2270	779	0	29.2
Oct 2018	455	317	581	12733	14085	17453	31539	455	317	581	1352	12733	17453	31539	3040	579	0	28.8
Nov 2018	510	325	578	12952	14365	17397	31763	510	325	578	1414	12952	17397	31763	3810	741	0	28.5
Dec 2018	566	311	576	13164	14616	17494	32110	566	311	576	1453	13164	17494	32110	4580	665	0	28.2
Jan 2019	640	300	577	13463	14980	17442	32422	640	300	577	1517	13463	17442	32422	5350	619	0	28.1
								****EFFECTIVE SPACE****										
Jan 2019	640	300	577	13463	14980	17442	32422	338	300	577	1216	13463	17442	32120	5350	619	0	28.1
Feb 2019	708	290	581	13878	15458	17182	32640	405	290	581	1277	13878	17182	32337	1500	685	0	27.9
Mar 2019	763	281	574	14186	15803	17073	32876	458	281	574	1313	14186	17073	32571	1500	1055	0	27.5
Apr 2019	772	261	517	14396	15945	17308	33254	463	261	517	1241	14396	17308	32945	1500	1059	0	27.5
May 2019	749	219	414	14277	15659	17648	33307	434	219	403	1056	14277	17648	32981	1500	967	0	28.7
Jun 2019	683	164	249	13114	14210	17926	32137	359	164	199	722	13114	17926	31763	1500	880	0	30.2
Jul 2019	451	28	141	11884	12505	18117	30622	110	18	34	162	11884	18117	30163	1500	839	0	30.3
								****CREDITABLE SPACE****										
Aug 2019	359	9	168	11796	12333	18124	30457	359	9	168	537	11796	18124	30457	1500	740	0	30.0
Sep 2019	385	46	220	12102	12753	17965	30718	385	46	220	651	12102	17965	30718	2270	747	0	29.6
Oct 2019	439	108	249	12251	13047	18017	31064	439	108	249	796	12251	18017	31064	3040	510	0	29.4
Nov 2019	488	136	243	12343	13209	17895	31104	488	136	243	866	12343	17895	31104	3810	670	0	29.2
Dec 2019	537	168	247	12458	13410	17924	31334	537	168	247	952	12458	17924	31334	4580	594	0	29.1
Jan 2020	603	255	258	12666	13782	17806	31588	603	255	258	1116	12666	17806	31588	5350	607	0	28.9
								****EFFECTIVE SPACE****										
Jan 2020	603	255	258	12666	13782	17806	31588	324	255	58	638	12666	17806	31110	5350	607	0	28.9
Feb 2020	664	302	271	13028	14265	17536	31800	384	302	70	756	13028	17536	31320	1500	663	0	28.7
Mar 2020	715	330	273	13295	14613	17408	32021	433	330	72	835	13295	17408	31538	1500	988	0	28.4

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