April 24-Month Study
Date: April 15, 2019

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 14, Midnight Elevation (feet)	April 14, Midnight Reservoir Storage (acre-feet)
Fontenelle	36,900	70	6,467.88	110,000
Flaming Gorge	74,300	73	6,027.45	3,251,700
Blue Mesa	27,800	77	7,440.52	262,200
Navajo	112,900	123	6,030.35	1,009,400
Powell	623,800	94	3,568.71	9,003,200

Expected Operations

The operation of Lake Powell and Lake Mead in this April 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 projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be below 1,075 feet. 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 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 April 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 – As of April 9, 2019, Fontenelle Reservoir's pool elevation is 6465.95 feet, which amounts to 30 percent of live storage capacity. Inflows for the month of March totaled 36,925 acre-feet (af), or 70 percent of average. Releases are currently set to 1,000 cfs but will likely be increased as soon as inflows increase.

The Colorado Basin River Forecast Center has forecasted inflows that are near average. April, May and June forecasted inflow volumes amount to 80,000 af (94 percent of average), 130,000 af (79 percent of average), and 255,000 af (85 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 24, 2019. The meeting will be held at the Seedskadee National Wildlife Refuge. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir – As of April 9. 2019, Flaming Gorge Reservoir's pool elevation is 6026.91 feet (85 percent of live capacity) and increasing. Inflow into Flaming Gorge Reservoir during the month of March was 98,811 af, or 92 percent of average.

Average daily releases will likely remain at 950 cfs through the end of April, however, releases of 1600 cfs are scheduled for April 22nd and 23rd to facilitate the Utah Division of Wildlife Resources' fishery monitoring program's fish population assessment.

The April final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: April, May, and June forecasted unregulated inflow volumes at 145,000 af (108 percent of average), 180,000 af (73 percent of average), and 310,000 af (79 percent of average), respectively.

Reclamation will be holding the Flaming Gorge Working Group meeting on April 18th at the Uintah Conference Center, 313 E 200 S, Vernal, UT, from 10 am to 1 pm

The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is

encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Dale Hamilton at 801-379-1186.

Aspinall Unit Reservoirs – As of April 10, 2019 releases from Crystal Dam are approximately 850 cfs. Uncompahgre Valley Water Users Association has begun diversions through the Gunnison Tunnel and flows through the tunnel as of April 10, 2019 are 400 cfs. Flows through the Black Canyon are approximately 430 cfs. There is currently about a 20 cfs loss to the Gunnison River between Crystal Dam and the Gunnison Tunnel Diversion. As of April 10, 2019, Blue Mesa Reservoir elevation is 7439.74 feet which corresponds to storage content of 258,294 af (31 percent of capacity). The elevation of Blue Mesa is beginning to rise as inflows due to run off are increasing.

The March unregulated inflow to Blue Mesa Reservoir was 27,700 af (77 percent of average). Unregulated Inflows to Blue Mesa for the next three months (April, May and June) are projected to be: 83,000 af (108 percent of average), 270,000 af (122 percent of average) and 420,000 af (161 percent of average), respectively. For water year 2019, the unregulated inflow volume is forecasted to be 1,169,500 af (122 percent of average) with 925,000 af (137 percent of average) of unregulated inflow occurring during the April through July period. The April 24-Month Study is reflective of this new forecast.

Current projections indicate Blue Mesa storage will steadily increase as spring runoff begins. Snowpack conditions in the Gunnison River Basin are well above normal at 143 percent of median above the Aspinall Unit. Current projections indicate Blue Mesa will nearly fill by late summer if current inflow forecasts come to fruition. The peak elevation for this water year will occur in or around late July and is projected to be about 7515 feet. The projected end of water year 2019 elevation of Blue Mesa is 7507.5 feet which corresponds to a live storage content of about 724,000 acre-feet (87 percent of full capacity).

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 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 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, April 23, 2019 at 1:00 pm at the at the Western Colorado Area Office located at 445 West Gunnison Avenue in Grand Junction, Colorado.

Navajo Reservoir – As of April 9th, 2019, the daily average release rate from Navajo Dam is approximately 298 cfs while reservoir inflow is averaging approximately 2300 cfs. The water surface elevation is 6028.17 feet above sea level and is steadily increasing. At this elevation the live storage is 0.990 maf (58 percent of live storage capacity) and the active storage is 0.328 maf (32 percent of active storage capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 1,310 cfs. River flow at the Animas River at Farmington USGS gage is at 1,120 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 March was 113,738 af (123 percent of average for the month). SNOTEL sites above Navajo are at 150% of average with 29.8 inches of SWE on average per site.

Forecast modified-unregulated inflow to Navajo over the next three months (April, May and June) are projected to be: 198,000 af (116 percent of average), 340,000 af (123 percent of average), and 315,000 af (141 percent of average), respectively.

The April through July runoff forecasts are as follows:
Min Probable: 780,000 af (106 percent of average)
Most Probable: 920,000 af (125 percent of average)
Max Probable: 1,170,000 af (159 percent of average)

Based on current storage and long-term projections, Navajo has a 95% chance of filling to at least 6050 ft and a 50% chance of filling to at least 6060 ft in the spring of 2019. Based on current projections there are still no plans for a spring peak release, though a short-duration maintenance release is being planned. This proposed release would 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. The release would likely be timed to coincide with the peak on the Animas River. This proposed release is under consideration but has not been firmly scheduled and may change shape and timing.
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, April 23rd at 1pm at the Farmington Civic Center (200 West Arrington, Farmington, NM). A public information meeting has also been scheduled for April 30th at 6pm in Bloomfield (915 North First Street, Bloomfield, NM).

Glen Canyon Dam / Lake Powell

Current Status
The unregulated inflow in March was 624 thousand acre-feet (kaf) (94 percent of average). March precipitation in the Upper Colorado Basin was 175 percent of average. The release volume from Glen Canyon Dam in March was 790 kaf. The end of March elevation and storage of Lake Powell were 3,569.28 feet (130.72 feet from full pool) 9.05 maf (38 percent of full capacity).

Current Operations
The operating tier for water year 2019 was established in August 2018 as the Upper Elevation Balancing Tier. As described in the Interim Guidelines, under balancing, the contents of Lake Powell and Lake Mead are to be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf is to be released from Lake Powell. Under this Tier the initial annual water year release volume is 8.23 maf, and the April 2019 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be below 1,075 feet. Lake Powell operations will shift to balancing releases for the remainder of water year 2019. Lake Powell is currently projected to release 9.0 maf in water year 2019; and this projection will be updated each month throughout the remainder of the water year.

In April, the release volume will be approximately 720 kaf, with fluctuations anticipated between about 8,500 cfs in the nighttime to about 15,000 cfs and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (dated December, 2016). The anticipated release volume for May is 720 kaf.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (mw) of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,200 cfs above or below the hourly scheduled release rate. Under 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 power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant and 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 28 mw (approximately 830 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur fairly infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

Inflow Forecasts and Model Projections

The forecast for water year 2019 unregulated inflow to Lake Powell, issued on April 1, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 12.11 maf (112 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 April 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,561.59 feet with approximately 12.89 maf in storage (55 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 April 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 12.11 maf (112 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 30.62 maf (51 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
125 SOUTH STATE STREET, ROOM 8100
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			feb	Forecast		Outlook		
:	nov	dec	jan	feb %Avg	mar	apr	may	apr-jul	%Avg
GLDA3:Lake Powell	228	212	255	624 94%:	1300/	3000/	3600/	9200/:	128%
GBRW4:Fontenelle	30	28	26	37 70%:	80/	130/	255/	630/:	87%
GRNU1:Flaming Gorge	29	34	34	74 73%:	145/	180/	310/	830/:	85%
BMDC2:Blue Mesa	19.5	19.9	20.0	28 78%:	83/	270/	420/	925/:	137%
MPSC2:Morrow Point	21	21	20	29 72%:	95/	305/	455/	1015/:	137%
CLSC2:Crystal	25	25	24	34 73%:	105/	350/	500/	1135/:	136%
TPIC2:Taylor Park	3.6	3.7	3.4	4.7 106%:	6/	30/	61/	122/:	123%
VCRC2:Vallecito	3.3	3.7	3.8	5.6 65%:	21/	75/	110/	240/:	124%
NVRN5:Navajo	12.5	13.2	17.6	114 123%:	198/	340/	315/	920/:	125%
LEMC2:Lemon	0.52	0.49	0.50	0.77 48%:	5/	23/	30/	65/:	118%
MPHC2:McPhee	1.68	2.6	2.8	10.8 51%:	95/	195/	115/	430/:	146%
RBSC2:Ridgway	3.3	3.1	3.0	6.0 105%:	11/	28/	55/	123/:	122%
YDLC2:Deerlodge	19.6	18.4	18.0	55 66%:	280/	550/	480/	1400/:	113%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	101	1	83	4	87	6472.76	130
H	May 2018	354	2	100	123	223	6494.84	260
I	Jun 2018	404	2	101	269	370	6499.18	292
S	Jul 2018	138	3	92	8	100	6503.79	327
T	Aug 2018	50	2	75	1	76	6500.10	299
O	Sep 2018	30	2	7	58	65	6495.11	262
	WY 2018	**1397**	**15**	**856**	**528**	**1382**		
R	Oct 2018	42	1	45	20	65	6491.62	238
I	Nov 2018	38	1	60	0	60	6488.29	216
C	Dec 2018	30	1	61	1	61	6483.19	184
A	Jan 2019	28	1	61	0	61	6476.81	150
L	Feb 2019	26	0	55	1	56	6470.41	120
*	Mar 2019	37	0	61	0	61	6464.13	95
	Apr 2019	80	1	69	0	69	6466.85	106
	May 2019	130	1	80	0	80	6477.76	155
	Jun 2019	255	2	98	0	98	6501.51	310
	Jul 2019	165	3	101	39	140	6504.42	333
	Aug 2019	67	2	85	0	85	6501.75	312
	Sep 2019	41	2	37	51	89	6495.04	263
	WY 2019	**940**	**14**	**814**	**112**	**926**		
	Oct 2019	45	1	74	0	74	6490.75	233
	Nov 2019	41	1	60	0	60	6487.73	213
	Dec 2019	32	1	61	0	61	6482.90	183
	Jan 2020	30	1	61	0	61	6477.04	152
	Feb 2020	28	0	58	0	58	6470.49	121
	Mar 2020	53	0	63	0	63	6467.97	111
	Apr 2020	85	1	77	0	77	6469.78	118
	May 2020	164	1	80	0	80	6485.77	201
	Jun 2020	299	2	104	87	191	6500.98	306
	Jul 2020	178	3	100	42	143	6505.11	339
	Aug 2020	77	2	80	0	80	6504.39	333
	Sep 2020	46	2	20	76	95	6497.67	282
	WY 2020	**1077**	**15**	**838**	**205**	**1043**		
	Oct 2020	49	1	98	0	98	6490.41	231
	Nov 2020	42	1	62	0	62	6487.27	210
	Dec 2020	32	1	61	0	61	6482.38	180
	Jan 2021	30	1	61	0	61	6476.43	149
	Feb 2021	28	0	56	0	56	6470.25	120
	Mar 2021	53	0	67	0	67	6466.52	105

* 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

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April 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)
*	Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
H	May 2018	422	290	8	163	6	169	133	6028.57	3294	572
I	Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
S	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
T	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
O	Sep 2018	17	52	11	119	0	119	136	6030.75	3378	132
	WY 2018	**1594**	**1580**	**82**	**1608**	**7**	**1616**				**2638**
R	Oct 2018	52	75	7	99	0	99	135	6029.99	3349	131
I	Nov 2018	41	63	4	93	0	93	133	6029.15	3316	121
C	Dec 2018	29	60	2	124	0	124	131	6027.49	3253	153
A	Jan 2019	34	68	2	124	0	124	129	6026.01	3198	154
L	Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
*	Mar 2019	74	99	3	58	0	58	128	6025.67	3185	126
	Apr 2019	145	134	5	59	0	59	131	6027.48	3253	339
	May 2019	180	130	8	61	0	61	133	6029.01	3311	611
	Jun 2019	310	153	10	281	74	356	125	6023.52	3106	836
	Jul 2019	195	170	13	98	0	98	127	6025.05	3162	188
	Aug 2019	75	93	12	98	0	98	127	6024.60	3145	122
	Sep 2019	50	98	11	95	0	95	126	6024.39	3138	112
	WY 2019	**1220**	**1206**	**79**	**1303**	**74**	**1377**				**3038**
	Oct 2019	55	84	7	98	0	98	125	6023.83	3117	129
	Nov 2019	50	68	3	95	0	95	124	6023.03	3088	126
	Dec 2019	35	64	2	116	0	116	122	6021.60	3037	142
	Jan 2020	40	72	2	117	0	117	120	6020.34	2992	142
	Feb 2020	45	74	2	109	0	109	119	6019.33	2956	137
	Mar 2020	102	112	3	61	0	61	121	6020.64	3002	138
	Apr 2020	134	125	5	60	0	60	123	6022.29	3061	275
	May 2020	245	161	7	65	0	65	127	6024.62	3146	597
	Jun 2020	390	282	10	263	0	263	127	6024.84	3154	683
	Jul 2020	210	175	13	125	0	125	128	6025.81	3190	225
	Aug 2020	89	92	12	123	0	123	127	6024.69	3149	148
	Sep 2020	55	104	11	119	0	119	126	6024.03	3125	138
	WY 2020	**1449**	**1415**	**77**	**1352**	**0**	**1352**				**2879**
	Oct 2020	59	109	7	92	0	92	126	6024.28	3134	125
	Nov 2020	51	71	3	89	0	89	125	6023.71	3113	121
	Dec 2020	35	64	2	117	0	117	123	6022.28	3061	142
	Jan 2021	40	72	2	117	0	117	121	6021.02	3016	142
	Feb 2021	45	72	2	106	0	106	120	6020.06	2982	133
	Mar 2021	102	117	3	61	0	61	122	6021.49	3033	138

* 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 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)
*	Apr 2018	8	7	9311.18	72
H	May 2018	24	12	9318.33	84
I	Jun 2018	13	15	9317.29	82
S	Jul 2018	5	14	9311.71	73
T	Aug 2018	3	13	9305.51	63
O	Sep 2018	3	8	9301.71	58
	WY 2018	**88**	**108**		
R	Oct 2018	5	3	9302.60	59
I	Nov 2018	3	3	9302.61	59
C	Dec 2018	4	3	9302.74	59
A	Jan 2019	4	3	9302.92	59
L	Feb 2019	3	3	9303.16	60
*	Mar 2019	5	4	9303.75	60
	Apr 2019	6	5	9304.40	61
	May 2019	30	14	9314.44	77
	Jun 2019	61	34	9328.84	104
	Jul 2019	25	24	9329.58	105
	Aug 2019	11	19	9325.58	97
	Sep 2019	8	18	9320.35	88
	WY 2019	**164**	**134**		
	Oct 2019	7	6	9320.77	88
	Nov 2019	5	5	9320.88	89
	Dec 2019	5	5	9320.60	88
	Jan 2020	4	5	9320.14	87
	Feb 2020	4	5	9319.64	86
	Mar 2020	4	5	9319.22	86
	Apr 2020	9	10	9318.53	84
	May 2020	28	14	9326.16	99
	Jun 2020	42	35	9329.55	105
	Jul 2020	20	24	9327.87	102
	Aug 2020	10	19	9323.39	93
	Sep 2020	7	18	9317.86	83
	WY 2020	**146**	**151**		
	Oct 2020	7	12	9315.08	78
	Nov 2020	5	5	9315.11	78
	Dec 2020	5	5	9314.81	78
	Jan 2021	4	5	9314.30	77
	Feb 2021	4	5	9313.75	76
	Mar 2021	4	10	9310.35	70

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

Model Run ID: 3088

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	48	47	1	82	0	82	7478.94	498
H	May 2018	112	100	1	85	0	85	7480.90	513
I	Jun 2018	56	57	1	98	0	98	7475.06	471
S	Jul 2018	21	31	1	101	0	101	7464.43	399
T	Aug 2018	19	28	1	93	0	93	7453.77	334
O	Sep 2018	12	17	1	30	39	68	7444.44	282
	WY 2018	**433**	**453**	**7**	**856**	**39**	**895**		
R	Oct 2018	23	22	0	46	11	56	7437.59	248
I	Nov 2018	22	21	0	19	0	19	7438.08	250
C	Dec 2018	20	19	0	21	0	21	7437.82	249
A	Jan 2019	20	20	0	17	0	17	7438.40	252
L	Feb 2019	20	20	0	23	0	23	7437.59	248
*	Mar 2019	28	27	0	25	0	25	7438.01	250
	Apr 2019	83	82	0	41	0	41	7445.84	290
	May 2019	270	254	1	157	0	157	7462.35	386
	Jun 2019	420	393	1	32	0	32	7510.05	746
	Jul 2019	152	151	2	83	0	83	7517.51	813
	Aug 2019	66	74	1	105	0	105	7513.94	780
	Sep 2019	47	57	1	102	0	102	7508.65	734
	WY 2019	**1170**	**1140**	**7**	**670**	**11**	**680**		
	Oct 2019	44	43	1	71	0	71	7505.40	706
	Nov 2019	34	33	0	51	0	51	7503.23	688
	Dec 2019	26	26	0	98	0	98	7494.45	616
	Jan 2020	24	25	0	58	0	58	7490.31	584
	Feb 2020	22	23	0	35	0	35	7488.82	572
	Mar 2020	36	37	0	37	0	37	7488.77	572
	Apr 2020	77	78	1	56	0	56	7491.52	593
	May 2020	221	207	1	205	41	246	7486.34	553
	Jun 2020	261	254	1	50	0	50	7511.22	757
	Jul 2020	117	120	2	78	0	78	7515.85	798
	Aug 2020	63	72	1	87	0	87	7514.08	782
	Sep 2020	38	48	1	80	0	80	7510.29	748
	WY 2020	**964**	**968**	**9**	**905**	**41**	**945**		
	Oct 2020	38	43	1	55	0	55	7508.79	735
	Nov 2020	31	31	0	57	0	57	7505.72	709
	Dec 2020	26	26	0	110	0	110	7495.53	625
	Jan 2021	24	25	0	67	0	67	7490.24	583
	Feb 2021	22	23	0	33	0	33	7488.98	573
	Mar 2021	36	42	0	0	29	29	7490.54	586

* 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 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)
*	Apr 2018	54	82	6	87	79	0	79	7154.30	112
H	May 2018	121	85	8	94	94	0	94	7153.76	112
I	Jun 2018	57	98	2	99	99	0	99	7154.16	112
S	Jul 2018	22	101	1	102	101	0	101	7155.49	113
T	Aug 2018	19	93	0	93	94	0	94	7153.96	112
O	Sep 2018	14	68	2	70	84	0	84	7135.77	98
	WY 2018	**460**	**895**	**27**	**922**	**935**	**0**	**937**		
R	Oct 2018	24	56	1	57	56	0	56	7136.92	99
I	Nov 2018	23	19	1	20	13	0	15	7143.47	104
C	Dec 2018	21	21	1	22	18	0	18	7147.95	107
A	Jan 2019	21	17	1	17	18	0	18	7147.00	107
L	Feb 2019	20	23	0	24	23	0	23	7147.57	107
*	Mar 2019	29	25	1	26	26	0	26	7146.90	107
	Apr 2019	95	41	12	53	48	0	48	7153.73	112
	May 2019	305	157	35	192	192	0	192	7153.73	112
	Jun 2019	455	32	35	67	67	0	67	7153.73	112
	Jul 2019	160	83	8	91	91	0	91	7153.73	112
	Aug 2019	71	105	5	110	110	0	110	7153.73	112
	Sep 2019	52	102	5	107	107	0	107	7153.73	112
	WY 2019	**1276**	**680**	**106**	**786**	**771**	**0**	**773**		
	Oct 2019	48	71	4	75	75	0	75	7153.73	112
	Nov 2019	36	51	3	54	54	0	54	7153.73	112
	Dec 2019	28	98	2	100	100	0	100	7153.73	112
	Jan 2020	27	58	2	60	60	0	60	7153.73	112
	Feb 2020	25	35	3	37	37	0	37	7153.73	112
	Mar 2020	40	37	4	41	41	0	41	7153.73	112
	Apr 2020	88	56	11	67	67	0	67	7153.73	112
	May 2020	247	246	26	272	272	0	272	7153.73	112
	Jun 2020	281	50	20	70	70	0	70	7153.73	112
	Jul 2020	123	78	6	84	84	0	84	7153.73	112
	Aug 2020	67	87	3	90	90	0	90	7153.73	112
	Sep 2020	41	80	3	83	83	0	83	7153.73	112
	WY 2020	**1051**	**945**	**87**	**1033**	**1033**	**0**	**1033**		
	Oct 2020	41	55	3	58	58	0	58	7153.73	112
	Nov 2020	33	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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
H	May 2018	129	94	9	102	102	0	102	6749.41	16	62	39
I	Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
S	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
T	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
O	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**
R	Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
I	Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
C	Dec 2018	25	18	4	22	21	0	22	6745.32	15	0	20
A	Jan 2019	25	18	4	22	19	3	22	6746.57	15	1	20
L	Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
*	Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
	Apr 2019	105	48	10	58	58	0	58	6753.04	17	42	16
	May 2019	350	192	45	237	134	103	237	6753.04	17	62	175
	Jun 2019	500	67	45	112	112	0	112	6753.04	17	61	51
	Jul 2019	180	91	20	111	111	0	111	6753.04	17	65	46
	Aug 2019	78	110	7	117	117	0	117	6753.04	17	65	52
	Sep 2019	58	107	6	113	113	0	113	6753.04	17	55	58
	WY 2019	**1431**	**773**	**156**	**929**	**800**	**124**	**924**			**386**	**535**
	Oct 2019	54	75	6	81	81	0	81	6753.04	17	30	51
	Nov 2019	41	54	5	59	59	0	59	6753.04	17	0	59
	Dec 2019	32	100	5	105	105	0	105	6753.04	17	0	105
	Jan 2020	31	60	5	65	65	0	65	6753.04	17	0	65
	Feb 2020	29	37	4	41	0	41	41	6753.04	17	0	41
	Mar 2020	46	41	6	47	47	0	47	6753.04	17	5	42
	Apr 2020	101	67	12	80	80	0	80	6753.04	17	42	38
	May 2020	281	272	34	306	134	172	306	6753.04	17	62	244
	Jun 2020	315	70	34	103	103	0	103	6753.04	17	61	42
	Jul 2020	138	84	14	98	98	0	98	6753.04	17	65	33
	Aug 2020	75	90	8	98	98	0	98	6753.04	17	65	33
	Sep 2020	47	83	6	89	89	0	89	6753.04	17	55	34
	WY 2020	**1191**	**1033**	**139**	**1172**	**959**	**213**	**1172**			**385**	**787**
	Oct 2020	47	58	6	64	64	0	64	6753.04	17	30	34
	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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	15	3	7649.29	85
H	May 2018	30	31	7648.91	84
I	Jun 2018	14	35	7639.22	63
S	Jul 2018	8	35	7624.15	35
T	Aug 2018	5	19	7613.87	22
O	Sep 2018	3	4	7613.06	21
	WY 2018	**102**	**153**		
R	Oct 2018	9	3	7617.56	26
I	Nov 2018	5	0	7621.25	31
C	Dec 2018	3	0	7623.31	34
A	Jan 2019	4	0	7625.50	37
L	Feb 2019	4	0	7627.67	41
*	Mar 2019	6	6	7627.39	40
	Apr 2019	21	36	7617.02	25
	May 2019	75	40	7637.96	60
	Jun 2019	110	45	7664.68	125
	Jul 2019	34	43	7660.95	115
	Aug 2019	20	38	7653.82	96
	Sep 2019	17	30	7648.48	83
	WY 2019	**307**	**242**		
	Oct 2019	15	17	7647.60	81
	Nov 2019	9	2	7650.18	87
	Dec 2019	6	2	7652.00	92
	Jan 2020	5	2	7653.41	95
	Feb 2020	5	2	7654.57	98
	Mar 2020	9	2	7657.16	105
	Apr 2020	23	3	7664.88	125
	May 2020	71	71	7664.89	125
	Jun 2020	70	70	7664.70	125
	Jul 2020	29	41	7659.80	112
	Aug 2020	20	38	7652.57	93
	Sep 2020	17	29	7647.52	81
	WY 2020	**281**	**279**		
	Oct 2020	16	16	7647.08	80
	Nov 2020	9	2	7649.70	86
	Dec 2020	6	2	7651.53	91
	Jan 2021	5	2	7652.95	94
	Feb 2021	5	2	7654.14	97
	Mar 2021	9	2	7656.73	104

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	70	13	46	2	20	38	6049.73	1222	44
H	May 2018	88	16	71	3	36	32	6049.80	1223	64
I	Jun 2018	6	3	24	4	42	42	6044.23	1159	50
S	Jul 2018	-9	0	18	4	42	51	6036.94	1080	56
T	Aug 2018	-7	0	7	3	42	51	6028.27	991	49
O	Sep 2018	2	0	3	2	27	46	6020.80	919	43
	WY 2018	**268**	**36**	**283**	**24**	**224**	**405**			**533**
R	Oct 2018	23	1	17	1	7	31	6018.35	897	39
I	Nov 2018	15	0	10	1	0	18	6017.43	888	34
C	Dec 2018	12	0	9	0	0	18	6016.39	879	31
A	Jan 2019	14	0	10	0	0	19	6015.33	869	32
L	Feb 2019	18	0	14	1	1	16	6014.90	865	36
*	Mar 2019	114	1	113	1	4	18	6024.61	955	72
	Apr 2019	198	25	188	2	21	15	6039.30	1105	60
	May 2019	340	46	259	3	35	22	6056.49	1304	207
	Jun 2019	315	43	207	4	52	106	6060.05	1348	316
	Jul 2019	67	5	71	4	57	31	6058.43	1328	106
	Aug 2019	54	3	68	4	48	31	6057.29	1314	70
	Sep 2019	52	3	61	3	26	30	6057.48	1316	61
	WY 2019	**1222**	**128**	**1027**	**25**	**251**	**355**			**1065**
	Oct 2019	53	2	53	2	10	31	6058.36	1327	58
	Nov 2019	36	0	29	1	0	30	6058.25	1326	48
	Dec 2019	25	0	21	1	0	31	6057.38	1315	46
	Jan 2020	22	0	18	1	0	31	6056.34	1302	44
	Feb 2020	30	0	27	1	0	29	6056.12	1299	41
	Mar 2020	92	9	77	2	6	31	6059.24	1338	53
	Apr 2020	170	21	129	3	21	30	6065.05	1413	82
	May 2020	277	37	240	4	36	169	6067.38	1445	315
	Jun 2020	224	29	195	4	53	253	6058.54	1329	404
	Jul 2020	66	5	74	4	57	35	6056.77	1307	102
	Aug 2020	45	2	61	3	48	31	6055.00	1286	70
	Sep 2020	43	2	53	3	26	30	6054.59	1280	62
	WY 2020	**1084**	**106**	**977**	**27**	**256**	**728**			**1326**
	Oct 2020	47	2	46	2	9	31	6054.93	1285	59
	Nov 2020	34	0	27	1	0	30	6054.62	1281	48
	Dec 2020	25	0	21	1	0	31	6053.73	1270	46
	Jan 2021	22	0	18	1	0	31	6052.66	1257	44
	Feb 2021	30	0	27	1	0	28	6052.50	1255	40
	Mar 2021	92	9	77	2	6	31	6055.71	1294	53

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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)
*	Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
H	May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
I	Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
S	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
T	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
O	Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
	WY 2018	**4612**	**5459**	**386**	**9000**	**0**	**9000**				**9158**
R	Oct 2018	351	477	30	625	0	625	3590.46	4923	10862	650
I	Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	669
C	Dec 2018	228	322	22	740	0	740	3581.85	4862	10099	744
A	Jan 2019	212	303	7	804	0	804	3576.34	4824	9629	815
L	Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	742
*	Mar 2019	624	573	11	790	0	790	3569.28	4778	9049	798
	Apr 2019	1300	1030	18	720	0	720	3572.60	4799	9319	735
	May 2019	3000	2532	24	720	0	720	3591.70	4932	10975	731
	Jun 2019	3600	3143	43	765	0	765	3614.01	5105	13138	776
	Jul 2019	1300	1159	56	860	0	860	3616.19	5123	13364	879
	Aug 2019	550	641	55	900	0	900	3613.37	5099	13072	917
	Sep 2019	430	538	51	683	0	683	3611.59	5085	12891	697
	WY 2019	**12105**	**11365**	**353**	**8923**	**77**	**9000**				**9152**
	Oct 2019	530	589	35	640	0	640	3610.80	5079	12811	650
	Nov 2019	481	539	33	640	0	640	3609.57	5069	12687	641
	Dec 2019	363	522	26	720	0	720	3607.49	5052	12479	726
	Jan 2020	361	480	8	860	0	860	3603.83	5023	12119	871
	Feb 2020	393	469	9	750	0	750	3601.06	5002	11851	759
	Mar 2020	665	578	14	800	0	800	3598.76	4984	11632	814
	Apr 2020	1056	862	23	710	0	710	3600.02	4994	11752	725
	May 2020	2343	2153	28	710	0	710	3613.26	5099	13062	721
	Jun 2020	2666	2439	48	750	0	750	3627.55	5220	14581	761
	Jul 2020	1091	996	61	850	0	850	3628.27	5226	14660	869
	Aug 2020	500	594	60	900	0	900	3625.18	5199	14321	917
	Sep 2020	408	529	55	670	0	670	3623.51	5185	14139	684
	WY 2020	**10857**	**10749**	**401**	**9000**	**0**	**9000**				**9138**
	Oct 2020	512	558	38	640	0	640	3622.48	5176	14028	650
	Nov 2020	473	534	36	640	0	640	3621.25	5165	13896	641
	Dec 2020	363	535	29	720	0	720	3619.38	5150	13698	726
	Jan 2021	361	489	9	860	0	860	3616.02	5121	13346	871
	Feb 2021	393	462	9	750	0	750	3613.36	5099	13071	759
	Mar 2021	665	570	16	800	0	800	3611.13	5081	12844	814

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
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April 2019 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
H	May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
I	Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
S	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
T	Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
O	Sep 2018	670	84	58	725	12.2	24	723	642	1078.29	9870
	WY 2018	**9000**	**690**	**541**	**9240**		**241**	**9237**			
R	Oct 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
I	Nov 2018	662	67	42	690	11.6	16	689	642	1078.32	9872
C	Dec 2018	740	52	36	468	7.6	11	467	659	1081.46	10132
A	Jan 2019	804	106	30	487	7.9	8	486	682	1085.75	10493
L	Feb 2019	730	127	28	621	11.2	7	620	694	1087.97	10682
*	Mar 2019	790	202	32	738	12.0	14	737	707	1090.24	10878
	Apr 2019	720	49	39	941	15.8	26	941	693	1087.66	10656
	May 2019	720	30	45	1022	16.6	35	1022	671	1083.76	10325
	Jun 2019	765	17	54	936	15.7	35	936	656	1081.05	10098
	Jul 2019	860	80	67	836	13.6	38	836	656	1081.04	10097
	Aug 2019	900	100	71	787	12.8	35	787	663	1082.26	10199
	Sep 2019	683	91	58	746	12.5	28	746	659	1081.60	10144
	WY 2019	**9000**	**1021**	**544**	**8911**		**273**	**8899**			
	Oct 2019	640	82	43	498	8.1	29	498	669	1083.30	10286
	Nov 2019	640	54	43	660	11.1	21	660	667	1082.97	10258
	Dec 2019	720	51	37	600	9.8	17	600	674	1084.27	10368
	Jan 2020	860	83	31	593	9.6	11	593	693	1087.68	10658
	Feb 2020	750	91	28	682	11.8	10	682	700	1089.01	10771
	Mar 2020	800	57	32	1007	16.4	20	1007	688	1086.79	10582
	Apr 2020	710	49	39	1081	18.2	24	1081	664	1082.51	10220
	May 2020	710	30	44	1021	16.6	33	1021	642	1078.46	9884
	Jun 2020	750	17	52	944	15.9	33	944	626	1075.44	9637
	Jul 2020	850	80	65	854	13.9	36	854	625	1075.15	9613
	Aug 2020	900	100	69	751	12.2	33	751	634	1076.84	9751
	Sep 2020	670	91	57	736	12.4	26	736	630	1076.17	9696
	WY 2020	**9000**	**784**	**539**	**9427**		**295**	**9427**			
	Oct 2020	640	82	42	500	8.1	28	500	640	1077.92	9839
	Nov 2020	640	54	42	624	10.5	20	624	640	1078.02	9847
	Dec 2020	720	51	36	585	9.5	16	585	648	1079.55	9974
	Jan 2021	860	83	30	593	9.6	11	593	667	1083.03	10264
	Feb 2021	750	91	28	678	12.2	10	678	675	1084.43	10382
	Mar 2021	800	57	31	1007	16.4	20	1007	663	1082.19	10193

* 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 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)
*	Apr 2018	1015	-3	17	1001	0	1001	16.8	642.40	1682
H	May 2018	1055	-11	22	1001	0	1001	16.3	643.17	1703
I	Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
S	Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
T	Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
O	Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
	WY 2018	**9240**	**-103**	**198**	**8981**	**0**	**8981**			
R	Oct 2018	641	-11	15	635	0	635	10.3	637.08	1540
I	Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
C	Dec 2018	468	-14	9	375	0	386	6.3	640.79	1639
A	Jan 2019	487	-29	10	418	0	418	6.8	641.89	1668
L	Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
*	Mar 2019	738	7	13	729	0	749	12.2	642.57	1687
	Apr 2019	941	-17	17	896	0	896	15.1	643.00	1699
	May 2019	1022	-11	22	989	0	989	16.1	643.00	1699
	Jun 2019	936	-16	25	894	0	894	15.0	643.00	1699
	Jul 2019	836	-12	25	826	0	826	13.4	642.00	1671
	Aug 2019	787	-11	23	753	0	753	12.2	642.00	1671
	Sep 2019	746	-12	18	769	0	769	12.9	640.01	1618
	WY 2019	**8911**	**-162**	**198**	**8463**	**0**	**8495**			
	Oct 2019	498	-4	15	663	0	663	10.8	633.00	1434
	Nov 2019	660	-19	10	579	0	579	9.7	635.00	1486
	Dec 2019	600	-12	9	482	0	482	7.8	638.71	1583
	Jan 2020	593	-16	10	483	0	483	7.9	641.80	1666
	Feb 2020	682	-13	10	658	0	658	11.4	641.80	1666
	Mar 2020	1007	-15	13	944	0	944	15.4	643.05	1700
	Apr 2020	1081	-17	17	1049	0	1049	17.6	643.00	1699
	May 2020	1021	-11	22	987	0	987	16.1	643.00	1699
	Jun 2020	944	-16	25	903	0	903	15.2	643.00	1699
	Jul 2020	854	-12	25	844	0	844	13.7	642.00	1671
	Aug 2020	751	-11	23	717	0	717	11.7	642.00	1671
	Sep 2020	736	-12	18	759	0	759	12.8	640.01	1618
	WY 2020	**9427**	**-159**	**197**	**9070**	**0**	**9070**			
	Oct 2020	500	-4	15	665	0	665	10.8	633.00	1434
	Nov 2020	624	-19	10	543	0	543	9.1	635.00	1486
	Dec 2020	585	-12	9	466	0	466	7.6	638.71	1583
	Jan 2021	593	-16	10	484	0	484	7.9	641.80	1666
	Feb 2021	678	-13	10	654	0	654	11.8	641.80	1666
	Mar 2021	1007	-15	13	944	0	944	15.4	643.05	1700

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
H	May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
I	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	131	2.2
S	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
T	Aug 2018	730	22	17	611	9.9	99	22	447.53	571	104	1.7
O	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**	
R	Oct 2018	635	23	12	394	6.4	86	176	448.12	582	68	1.1
I	Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
C	Dec 2018	386	26	7	218	3.5	70	143	446.53	552	105	1.7
A	Jan 2019	418	19	6	250	4.1	87	91	446.58	553	122	2.0
L	Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
*	Mar 2019	749	-4	9	630	10.2	11	83	447.86	577	186	3.0
	Apr 2019	896	12	11	719	12.1	27	137	448.00	580	166	2.8
	May 2019	989	13	13	715	11.6	71	181	448.50	589	135	2.2
	Jun 2019	894	11	16	731	12.3	68	73	448.70	593	140	2.3
	Jul 2019	826	19	17	683	11.1	71	75	448.00	580	138	2.2
	Aug 2019	753	20	17	612	9.9	67	75	447.50	571	110	1.8
	Sep 2019	769	14	15	515	8.6	64	180	447.50	570	100	1.7
	WY 2019	**8495**	**182**	**140**	**6194**		**738**	**1536**			**1508**	
	Oct 2019	663	24	12	468	7.6	20	180	447.50	571	63	1.0
	Nov 2019	579	14	9	375	6.3	21	183	447.50	571	97	1.6
	Dec 2019	482	22	7	303	4.9	22	186	446.50	552	104	1.7
	Jan 2020	483	18	6	265	4.3	105	121	446.50	552	125	2.0
	Feb 2020	658	11	8	435	7.6	99	121	446.50	552	152	2.6
	Mar 2020	944	5	9	711	11.6	28	189	446.70	555	192	3.1
	Apr 2020	1049	12	11	733	12.3	85	184	448.70	593	178	3.0
	May 2020	987	13	13	698	11.4	87	189	448.70	593	119	1.9
	Jun 2020	903	11	16	721	12.1	85	79	448.70	593	127	2.1
	Jul 2020	844	19	17	681	11.1	87	79	448.00	580	135	2.2
	Aug 2020	717	20	17	601	9.8	87	29	447.50	571	104	1.7
	Sep 2020	759	14	15	511	8.6	85	152	447.50	570	96	1.6
	WY 2020	**9070**	**182**	**139**	**6502**		**811**	**1693**			**1491**	
	Oct 2020	665	24	12	488	7.9	41	141	447.50	571	65	1.1
	Nov 2020	543	14	9	362	6.1	40	141	447.50	571	99	1.7
	Dec 2020	466	22	7	314	5.1	41	141	446.50	552	109	1.8
	Jan 2021	484	18	6	265	4.3	106	121	446.50	552	125	2.0
	Feb 2021	654	11	8	435	7.8	96	121	446.50	552	152	2.7
	Mar 2021	944	5	9	710	11.5	29	189	446.70	555	192	3.1

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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
*	Apr 2018	1015	17.1	1084.49	10387	-308	437.15	880.9	406.2	55	400.0
H	May 2018	1055	17.1	1080.00	10011	-376	432.39	1385.9	412.1	88	390.8
I	Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
S	Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
T	Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
O	Sep 2018	725	12.2	1078.29	9870	-49	434.15	1562.0	278.7	100	384.7
	WY 2018	**9240**							**3614.3**		
R	Oct 2018	641	10.4	1078.52	9889	19	435.29	1406.1	247.8	87	386.7
I	Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
C	Dec 2018	453	7.6	1081.46	10132	260	438.59	959.9	179.6	61	396.6
A	Jan 2019	487	7.9	1085.75	10493	361	442.10	1006.1	183.4	63	376.8
L	Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
*	Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
	Apr 2019	941	15.8	1087.66	10656	-222	440.86	810.1	392.2	51	417.1
	May 2019	1022	16.6	1083.76	10325	-331	437.50	796.0	423.3	51	414.1
	Jun 2019	936	15.7	1081.05	10098	-227	428.91	1562.0	364.0	100	388.9
	Jul 2019	836	13.6	1081.04	10097	0	427.88	1552.0	326.1	100	390.0
	Aug 2019	787	12.8	1082.26	10199	102	428.81	1562.0	305.5	100	388.4
	Sep 2019	746	12.5	1081.60	10144	-55	429.74	1562.0	289.8	100	388.4
	WY 2019	**8896**							**3519.8**		
	Oct 2019	498	8.1	1083.30	10286	142	433.84	1371.0	195.3	88	391.8
	Nov 2019	660	11.1	1082.97	10258	-28	437.57	1260.1	258.6	81	391.9
	Dec 2019	600	9.8	1084.27	10368	110	436.76	1188.0	235.4	75	392.1
	Jan 2020	593	9.6	1087.68	10658	290	437.49	1116.0	232.9	70	393.0
	Feb 2020	682	11.8	1089.01	10771	114	438.98	1095.0	271.9	68	399.0
	Mar 2020	1007	16.4	1086.79	10582	-190	436.81	1283.0	398.5	81	395.6
	Apr 2020	1081	18.2	1082.51	10220	-361	433.47	1219.0	431.7	78	399.3
	May 2020	1021	16.6	1078.46	9884	-337	427.00	1539.0	391.0	100	382.9
	Jun 2020	944	15.9	1075.44	9637	-247	423.50	1528.0	363.0	100	384.4
	Jul 2020	854	13.9	1075.15	9613	-24	422.19	1528.0	329.3	100	385.7
	Aug 2020	751	12.2	1076.84	9751	138	423.21	1392.0	286.6	100	381.6
	Sep 2020	736	12.4	1076.17	9696	-55	424.36	1544.9	281.8	100	383.1
	WY 2020	**9427**							**3675.9**		
	Oct 2020	500	8.1	1077.92	9839	143	428.48	1364.6	193.9	88	387.8
	Nov 2020	624	10.5	1078.02	9847	8	432.44	1254.7	243.8	81	391.0
	Dec 2020	585	9.5	1079.55	9974	127	431.96	1178.9	226.2	75	386.9
	Jan 2021	593	9.6	1083.03	10264	290	432.84	1104.6	230.8	70	389.3
	Feb 2021	678	12.2	1084.43	10382	118	434.39	1089.3	268.6	68	396.5
	Mar 2021	1007	16.4	1082.19	10193	-189	432.25	1273.2	394.2	81	391.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2019 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
H	May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
I	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
S	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
T	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
O	Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
	WY 2018	**8981**							**1126.3**		
R	Oct 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
I	Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
C	Dec 2018	375	6.3	640.79	1639	58	140.00	153.0	47.3	60	126.1
A	Jan 2019	418	6.8	641.89	1668	30	143.26	159.6	56.8	63	135.8
L	Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
*	Mar 2019	729	12.2	642.57	1687	-17	140.17	218.8	94.8	86	130.1
	Apr 2019	896	15.1	643.00	1699	12	139.02	210.8	112.2	83	125.2
	May 2019	989	16.1	643.00	1699	0	138.88	255.0	123.7	100	125.1
	Jun 2019	894	15.0	643.00	1699	0	139.24	255.0	112.2	100	125.4
	Jul 2019	826	13.4	642.00	1671	-27	139.31	255.0	103.7	100	125.5
	Aug 2019	753	12.2	642.00	1671	0	139.25	255.0	94.4	100	125.5
	Sep 2019	769	12.9	640.01	1618	-54	138.00	255.0	95.6	100	124.3
	WY 2019	**8463**							**1065.6**		
	Oct 2019	663	10.8	633.00	1434	-183	134.33	208.9	80.3	82	121.0
	Nov 2019	579	9.7	635.00	1486	51	132.25	153.0	69.0	60	119.1
	Dec 2019	482	7.8	638.71	1583	97	135.93	200.7	59.0	79	122.5
	Jan 2020	483	7.9	641.80	1666	83	139.32	179.3	60.7	70	125.5
	Feb 2020	658	11.4	641.80	1666	0	139.36	189.9	82.7	74	125.6
	Mar 2020	944	15.4	643.05	1700	34	138.55	255.0	117.9	100	124.8
	Apr 2020	1049	17.6	643.00	1699	-1	138.40	255.0	130.8	100	124.7
	May 2020	987	16.1	643.00	1699	0	138.89	255.0	123.5	100	125.1
	Jun 2020	903	15.2	643.00	1699	0	139.19	255.0	113.2	100	125.4
	Jul 2020	844	13.7	642.00	1671	-27	139.20	255.0	105.9	100	125.4
	Aug 2020	717	11.7	642.00	1671	0	139.48	255.0	90.1	100	125.7
	Sep 2020	759	12.8	640.01	1618	-54	138.07	255.0	94.4	100	124.4
	WY 2020	**9070**							**1127.4**		
	Oct 2020	665	10.8	633.00	1434	-183	134.32	208.9	80.5	82	121.0
	Nov 2020	543	9.1	635.00	1486	51	132.51	153.0	64.8	60	119.4
	Dec 2020	466	7.6	638.71	1583	97	136.05	200.7	57.1	79	122.6
	Jan 2021	484	7.9	641.80	1666	83	139.32	179.3	60.7	70	125.5
	Feb 2021	654	11.8	641.80	1666	0	139.23	189.4	82.1	74	125.4
	Mar 2021	944	15.4	643.05	1700	34	138.55	255.0	117.9	100	124.8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
H	May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
I	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
S	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
T	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
O	Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
	WY 2018	**6479**							**451.7**		
R	Oct 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
I	Nov 2018	350	6.0	447.99	580	-3	82.25	93.0	26.1	78	74.4
C	Dec 2018	218	3.5	446.53	552	-27	81.03	116.1	12.9	97	59.1
A	Jan 2019	250	4.1	446.58	553	1	82.75	117.1	17.0	98	68.2
L	Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
*	Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
	Apr 2019	719	12.1	448.00	580	3	75.52	115.0	47.6	96	66.2
	May 2019	715	11.6	448.50	589	9	75.70	118.1	47.4	98	66.3
	Jun 2019	731	12.3	448.70	593	4	75.95	120.0	48.6	100	66.5
	Jul 2019	683	11.1	448.00	580	-13	75.71	120.0	45.2	100	66.2
	Aug 2019	612	9.9	447.50	571	-9	75.13	120.0	40.1	100	65.5
	Sep 2019	515	8.6	447.50	570	0	74.89	120.0	33.4	100	65.0
	WY 2019	**6187**							**416.1**		
	Oct 2019	468	7.6	447.50	571	0	76.29	90.0	30.9	75	66.0
	Nov 2019	375	6.3	447.50	571	0	76.14	93.0	24.4	78	65.1
	Dec 2019	303	4.9	446.50	552	-19	74.65	114.2	19.1	95	63.0
	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	570	0	74.89	120.0	33.2	100	65.0
	WY 2020	**6502**							**425.8**		
	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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 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
*	Apr 2018	318	39	23	27	16	5
H	May 2018	318	63	23	33	20	7
I	Jun 2018	343	50	27	34	20	8
S	Jul 2018	384	48	27	36	20	8
T	Aug 2018	393	50	24	33	19	7
O	Sep 2018	288	47	8	29	16	1
Summer 2018		**2045**	**297**	**133**	**193**	**111**	**36**
R	Oct 2018	268	39	11	19	9	4
I	Nov 2018	248	36	5	4	2	5
C	Dec 2018	313	47	5	6	2	5
A	Jan 2019	335	47	4	6	1	4
L	Feb 2019	302	42	6	8	1	3
*	Mar 2019	325	22	6	9	4	3
Winter 2019		**1790**	**233**	**36**	**51**	**19**	**24**
	Apr 2019	268	21	11	17	10	4
	May 2019	275	23	42	69	23	5
	Jun 2019	305	103	9	24	19	8
	Jul 2019	351	36	26	33	19	10
	Aug 2019	366	36	33	40	20	8
	Sep 2019	277	35	32	39	20	3
Summer 2019		**1842**	**253**	**153**	**222**	**111**	**39**
	Oct 2019	259	36	22	27	14	6
	Nov 2019	258	35	16	20	10	5
	Dec 2019	290	42	30	36	18	5
	Jan 2020	344	42	17	22	11	5
	Feb 2020	298	39	10	13	0	4
	Mar 2020	317	22	11	15	8	4
Winter 2020		**1767**	**216**	**105**	**132**	**62**	**29**
	Apr 2020	281	22	17	24	14	5
	May 2020	285	24	60	98	23	6
	Jun 2020	309	96	15	25	18	9
	Jul 2020	355	45	24	30	17	10
	Aug 2020	375	45	27	33	17	8
	Sep 2020	279	43	25	30	15	2
Summer 2020		**1883**	**275**	**169**	**240**	**104**	**39**
	Oct 2020	265	34	17	21	11	9
	Nov 2020	264	32	18	21	11	5
	Dec 2020	296	42	33	40	20	5
	Jan 2021	352	42	20	25	13	5
	Feb 2021	306	38	10	13	7	4
	Mar 2021	325	22	0	12	7	4
Winter 2021		**1484**	**189**	**98**	**120**	**62**	**27**

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

April 2019 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Lake System Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	BOM Space Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****EFFECTIVE SPACE****										
Apr 2019	813	580	741	15273	17407	16499	33906	256	580	551	1386	15273	16499	33159	1500	941	0	27.2
May 2019	735	540	591	15003	16869	16721	33590	169	540	378	1088	15003	16721	32812	1500	1022	0	29.0
Jun 2019	628	444	392	13347	14811	17052	31863	51	444	141	636	13347	17052	31035	1500	936	0	31.3
Jul 2019	678	83	348	11184	12293	17279	29572	97	69	40	206	11184	17279	28670	1500	836	0	31.6
								****CREDITABLE SPACE****										
Aug 2019	599	17	368	10958	11943	17280	29222	599	17	368	984	10958	17280	29222	1500	787	0	31.3
Sep 2019	636	49	382	11250	12318	17178	29496	636	49	382	1068	11250	17178	29496	2270	746	0	30.9
Oct 2019	694	95	380	11431	12600	17233	29833	694	95	380	1169	11431	17233	29833	3040	498	0	30.7
Nov 2019	744	123	369	11511	12747	17091	29837	744	123	369	1236	11511	17091	29837	3810	660	0	30.5
Dec 2019	792	141	370	11635	12939	17119	30058	792	141	370	1304	11635	17119	30058	4580	600	0	30.3
Jan 2020	874	213	381	11843	13311	17009	30321	874	213	381	1468	11843	17009	30321	5350	593	0	30.2
								****EFFECTIVE SPACE****										
Jan 2020	874	213	381	11843	13311	17009	30321	365	201	183	749	11843	17009	29602	5350	593	0	30.2
Feb 2020	951	246	394	12203	13793	16719	30513	442	234	196	872	12203	16719	29794	1500	682	0	30.0
Mar 2020	1,017	257	397	12471	14142	16606	30747	507	246	197	950	12471	16606	30027	1500	1007	0	29.7
Apr 2020	981	258	358	12690	14286	16795	31082	466	247	151	864	12690	16795	30349	1500	1081	0	29.7
May 2020	915	236	283	12570	14003	17157	31160	392	226	52	670	12570	17157	30396	1500	1021	0	30.8
Jun 2020	747	276	251	11260	12535	17493	30029	212	251	-19	444	11260	17493	29197	1500	944	0	32.3
Jul 2020	633	73	367	9741	10814	17740	28554	85	39	39	164	9741	17740	27645	1500	854	0	32.4
								****CREDITABLE SPACE****										
Aug 2020	565	32	389	9662	10648	17764	28412	565	32	389	986	9662	17764	28412	1500	751	0	32.1
Sep 2020	612	48	410	10001	11072	17626	28698	612	48	410	1071	10001	17626	28698	2270	736	0	31.7
Oct 2020	688	81	416	10183	11367	17681	29048	688	81	416	1185	10183	17681	29048	3040	500	0	31.5
Nov 2020	730	94	411	10294	11529	17538	29067	730	94	411	1235	10294	17538	29067	3810	624	0	31.3
Dec 2020	771	120	415	10426	11732	17530	29262	771	120	415	1306	10426	17530	29262	4580	585	0	31.1
Jan 2021	853	204	426	10624	12107	17403	29510	853	204	426	1483	10624	17403	29510	5350	593	0	31.0
								****EFFECTIVE SPACE****										
Jan 2021	853	204	426	10624	12107	17403	29510	368	187	228	783	10624	17403	28810	5350	593	0	31.0
Feb 2021	930	246	439	10976	12591	17113	29704	445	230	240	915	10976	17113	29004	1500	678	0	30.8
Mar 2021	992	256	441	11251	12939	16995	29935	506	240	241	987	11251	16995	29233	1500	1007	0	30.5

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