February 24-Month Study
Date: February 13, 2017

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

Current Reservoir Status

Reservoir	January Inflow (unregulated) (acre-feet)	Percent of Average (%)	February 12, Midnight Elevation (feet)	February 12, Midnight Reservoir Storage (acre-feet)
Fontenelle	45,000	145	6,482.17	178,000
Flaming Gorge	49,000	107	6,022.91	3,084,000
Blue Mesa	29,000	114	7,490.16	583,000
Navajo	35,000	104	6,057.39	1,315,000
Powell	359,000	89	3,594.58	11,240,000

Expected Operations

The operation of Lake Powell and Lake Mead in this February 2017 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 2017 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2016 24-Month Study projections of the January 1, 2017, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2017.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2017 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 million acre-feet (maf) and the potential for an April adjustment to equalization or balancing releases in April 2017. This February 2017 24-Month Study indicates that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is projected to occur and Lake Powell is projected to release 9.0 maf in water year 2017.

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 2017.

The Interim Guidelines are available for download at:
https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.
The 2017 AOP is available for download at:
https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP17.pdf.

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6,483 feet above sea level (feet), which amounts to 53 percent of live storage capacity. Inflows for the month of January totaled 44,600 acre-feet (af), or 148 percent of average. Average to above average inflows are forecasted over the next few months and releases have been increased in order to meet the spring elevation target. Releases have been set to base flow levels of 1,025 cubic feet per second (cfs) and are forecasted to remain at this level through the winter. Flows are anticipated to increase to 1,750 cfs on March 1, 2017 or whenever downstream icing threats have passed.

The Colorado Basin River Forecast Center has forecasted spring inflows that are above average. February, March, and April forecasted inflow volumes amount to 35,000 af (126 percent of average), 60,000 af (114 percent of average), and 120,000 af (140 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 19, 2017. 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 1,800 cfs and expected to increase within the allowable parameters of the ROD up to 2,950 cfs through the end of February.

Unregulated inflow into Flaming Gorge Reservoir during the month of January was 49,000 af, or 122 percent of average. The reservoir elevation is 6,022.9 feet (82 percent of live capacity) and decreasing.

The February final forecast for inflows for the next three months projects above average conditions: February, March and April forecasted inflow volumes at 50,000 af (112 percent of average), 135,000 af (132 percent of average), and 225,000 af (169 percent of average), respectively.

The February water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 1.65 maf (169 percent of average). Additional storms throughout the basin increased the current projection to 2 maf (~200 percent of average). Current snowpack is 180 percent of median and we have received 117 percent of the season peak for the Upper Green Basin with additional storm systems anticipated through February.

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 Heather Patno at 801-524-3883.

Reclamation will be holding the Flaming Gorge Working Group meeting on Thursday, April 20, 2017, at 10:00 a.m. at the Utah Division of Wildlife Resources offices located at 318 North Vernal Avenue, Vernal, Utah.

Aspinall Unit Reservoirs – Crystal Dam is currently releasing 1,200 cfs and the Gunnison Tunnel diversion is shut down for the 2016 irrigation season. The average flow through the Black Canyon is measuring approximately 1,200 cfs at the stream gage below Gunnison Tunnel. The January unregulated inflow to Blue Mesa Reservoir was 28,600 af (119 percent of average). The end of January reservoir elevation for Blue Mesa was 7,490.68 feet with a live storage content in Blue Mesa of 584,000 af (70.4 percent full).

January was significantly wet in the Gunnison River Basin and the snowpack conditions increased significantly. On January 1, 2017 the Upper Gunnison Basin percent of median snow water equivalent was 117 percent of median for that date. On January 31, 2017 that percentage had increased to 167 percent of median for that date. As of the timing of this update (February 9, 2017) the snowpack is 163 percent of median for that date.

Unregulated Inflows to Blue Mesa for the next three months (February, March and April) are projected to be: 21,000 af (96 percent of average), 36,000 af (91 percent of average) and 95,000 af (100 percent of average), respectively. The April through July unregulated inflow forecast increased from 575,000 af (86 percent of average) for January to 925,000 af (137 percent of average) for February. The February 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.

The next meeting of the Aspinall Unit Working Group will be held on Thursday, April 27th, 2017 at 1:00 pm at the Western Colorado Area Office located at 445 West Gunnison Avenue in Grand Junction, Colorado.

Navajo Reservoir – As of February 6, 2017, Navajo reservoir elevation is 6,056.9 feet (1.306 maf live storage) and is releasing 500 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.

Modified unregulated inflow into Navajo in January was 35,192 af, which was 161 percent of average for the month. Releases in January averaged 376 cfs and totaled 23,092 af, or 59 percent of average.

Inflows for the next three months are projected to be below average: with February, March, and April forecasted inflow volumes at 35,000 af (116 percent of average), 120,000 af (130 percent of average), and 190,000 af (111 percent of average), respectively.

The Most Probable April-July runoff forecast is 880,000 af (119 percent of average). Under the current Most Probable forecast, Navajo has enough available water for a spring peak release of 60 days at 5,000 cfs.

Releases will be made to maintain the target baseflow in the critical habitat reach for the remainder of the fall and winter and will likely range between 350 and 500 cfs. Under the most probable forecast, Navajo will peak at an elevation of 6,071 feet in early May.

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 April 25th, 2017, at 1pm at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow to Lake Powell in January was 359 thousand acre-feet (kaf) (99 percent of average). The release volume from Glen Canyon Dam in January was 880 kaf. The end of January elevation and storage of Lake Powell were 3,596 feet (104 feet from full pool) and 11.4 maf (47 percent of full capacity), respectively. The reservoir is declining and will continue to decline until spring runoff begins to enter the reservoir. The current snowpack above Lake Powell is 159 percent of median.

Current Operations

The operating tier for water year 2017, established in August 2016, is the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the

potential for an April 2017 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2017. This projection will be updated each month throughout the water year.

In February 2017, the release volume will be approximately 715 kaf, with fluctuations anticipated between approximately 9,000 cfs and 15,000 cfs and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The anticipated release volume for March is approximately 720 kaf with daily fluctuations between approximately 8,000 cfs and 14,000 cfs. The expected release for April is 645 kaf with daily fluctuations between approximately 8,000 cfs and 14,000 cfs.

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 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 2017 water supply forecast for unregulated inflow to Lake Powell, issued on February 2, 2017, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 9.6 maf (134 percent of average based on the period 1981-2010). The projected water year 2017 inflow is 13.2 maf (122 percent of average). 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 6.6 maf (92 percent of average) to a maximum probable of 13.5 maf (189 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 February 24-Month Study projects Lake Powell elevation will end water year 2017 near 3,640 feet with approximately 16.0 maf in storage (66 percent of capacity). Note that projections of elevation and storage for water year 2017 have significant uncertainty at this point in the season. Projections of elevation and storage using the minimum and maximum probable inflow forecast, updated in

January, are 3,586 feet (10.4 maf, 43 percent of capacity) and 3,640 feet (16.0 maf, 66 percent of capacity), respectively. One thing to point out here, the February most probable has increased to the January maximum probable in just one month. 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, potentially in lower elevation and storage. The annual release volume from Lake Powell during water year 2017 is projected to be 9.0 maf under the minimum, most, and maximum probable inflow scenarios. There is a chance that inflows could be higher or lower, potentially resulting in releases greater than 9.0 maf or as low as 8.23 maf in water year 2017. Modeling of projected reservoir operations based on the minimum and maximum scenarios will be updated again in April.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 17-year period 2000 to 2015, 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 3 out of the past 17 years. The period 2000-2016 is the lowest 17-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.57 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 2000-2016 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 2016 unregulated inflow volume to Lake Powell was 9.62 maf (89 percent of average), which, though still below average, was significantly higher than inflows observed in 2012 and 2013 (45 percent and 47 percent of average, respectively). Under the current most probable forecast, the total water year 2017 unregulated inflow to Lake Powell is projected to be 13.5 maf (189 percent of average).

At the beginning of water year 2017, total system storage in the Colorado River Basin was 30.2 maf (50 percent of 59.6 maf total system capacity). This is nearly the same as the total storage at the beginning of water years 2015 and 2016 which began at 30.1 maf and 30.3 maf, respectively, both of which were 50 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 2017 is approximately 29.8 maf (50 percent of total system capacity). The actual end of water year 2017 system storage may vary from this projection, primarily due to uncertainty regarding the season's snowpack and resulting runoff and reservoir inflow. Based on the January minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2017 total system capacity is approximately 27.3 maf (46 percent of capacity) to 33.5 maf (56 percent of capacity), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
125 SOUTH STATE STREET, ROOM 6107
SALT LAKE CITY, UT 84138-5571
PHONE 801-524-3709

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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	381	383	300	359	99%:	400/	720/	1200/	9600/:	134%
GBRW4:Fontenelle	57	62	37	45	148%:	35/	60/	120/	1200/:	166%
GRNU1:Flaming Gorge	70	73	35	49	122%:	50/	135/	225/	1650/:	168%
BMDC2:Blue Mesa	32	26	26	29	119%:	21/	36/	95/	925/:	137%
MPSC2:Morrow Point	33	28	27	30	113%:	23/	40/	110/	1020/:	138%
CLSC2:Crystal	37	31	31	34	109%:	27/	44/	130/	1150/:	138%
TPIC2:Taylor Park	5.5	4.2	4.9	5.5	129%:	3.1/	3.3/	7/	128/:	129%
VCRC2:Vallecito	11.4	6.5	5.7	6.8	126%:	4/	9/	24/	235/:	121%
NVRN5:Navajo	27	24	26	35	160%:	35/	120/	190/	880/:	120%
LEMC2:Lemon	2.0	1.07	0.96	1.06	121%:	0.6/	1/	6/	65/:	118%
MPHC2:McPhee	3.9	3.4	4.0	5.1	112%:	3.8/	25/	100/	440/:	149%
RBSC2:Ridgway	6.7	4.8	4.5	4.5	113%:	3.5/	6/	10/	118/:	117%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

February 2017 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)
*	Feb 2016	34	0	55	0	55	6476.59	149
H	Mar 2016	50	1	58	0	58	6474.73	140
I	Apr 2016	91	1	56	0	56	6481.34	174
S	May 2016	186	2	86	20	106	6493.63	252
T	Jun 2016	293	2	101	143	243	6500.14	299
O	Jul 2016	80	3	73	3	76	6500.25	300
R	Aug 2016	29	2	65	0	65	6495.03	262
I	Sep 2016	26	2	36	21	58	6490.22	229
	WY 2016	**943**	**15**	**739**	**213**	**952**		
C	Oct 2016	57	1	0	57	57	6490.08	228
A	Nov 2016	62	1	0	59	59	6490.44	230
L	Dec 2016	37	1	0	63	63	6486.33	203
*	Jan 2017	45	1	0	63	63	6483.20	184
	Feb 2017	35	1	61	0	61	6478.42	158
	Mar 2017	60	0	97	10	108	6467.90	110
	Apr 2017	120	1	90	47	137	6463.39	93
	May 2017	280	1	97	87	184	6483.59	187
	Jun 2017	485	2	102	290	393	6497.09	277
	Jul 2017	315	3	102	150	252	6504.99	338
	Aug 2017	105	2	100	26	126	6502.08	315
	Sep 2017	65	2	80	0	80	6499.92	298
	WY 2017	**1666**	**15**	**731**	**851**	**1582**		
	Oct 2017	62	1	74	0	74	6498.19	285
	Nov 2017	48	1	71	0	71	6494.84	261
	Dec 2017	32	1	74	0	74	6488.53	219
	Jan 2018	30	1	74	0	74	6481.40	175
	Feb 2018	28	1	67	0	67	6473.62	135
	Mar 2018	53	0	74	0	74	6468.66	114
	Apr 2018	85	1	89	0	89	6467.58	109
	May 2018	164	1	98	7	105	6480.08	167
	Jun 2018	299	2	102	69	171	6499.24	293
	Jul 2018	178	3	101	28	129	6505.15	339
	Aug 2018	77	2	92	0	92	6502.87	321
	Sep 2018	46	2	69	0	69	6499.60	296
	WY 2018	**1101**	**15**	**985**	**104**	**1088**		
	Oct 2018	49	1	71	0	71	6496.35	272
	Nov 2018	42	1	69	0	69	6492.43	244
	Dec 2018	32	1	71	0	71	6486.35	204
	Jan 2019	30	1	71	0	71	6479.25	163

* 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

February 2017 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)
*	Feb 2016	63	84	2	118	0	118	126	6024.11	3127	164
H	Mar 2016	84	93	3	51	0	51	127	6025.13	3165	131
I	Apr 2016	140	105	5	50	0	50	129	6026.43	3213	316
S	May 2016	362	282	8	52	0	52	138	6032.01	3427	701
T	Jun 2016	455	405	11	270	198	469	135	6030.17	3356	965
O	Jul 2016	91	88	13	116	4	120	133	6029.03	3312	220
R	Aug 2016	28	64	13	110	0	110	131	6027.55	3255	133
I	Sep 2016	36	67	11	107	0	107	129	6026.27	3207	128
	WY 2016	**1427**	**1437**	**80**	**1406**	**203**	**1609**				**3435**
C	Oct 2016	70	70	7	85	0	85	128	6025.69	3186	119
A	Nov 2016	73	70	4	77	0	77	128	6025.41	3175	113
L	Dec 2016	35	61	2	106	0	106	126	6024.19	3130	137
*	Jan 2017	49	67	2	110	0	110	124	6023.01	3087	155
	Feb 2017	50	76	2	100	0	100	123	6022.32	3062	125
	Mar 2017	135	183	3	183	0	183	123	6022.24	3059	260
	Apr 2017	225	242	5	179	0	179	125	6023.79	3116	399
	May 2017	435	339	8	252	0	252	129	6025.89	3193	797
	Jun 2017	640	548	10	282	78	360	135	6030.37	3363	900
	Jul 2017	350	287	14	131	0	131	141	6033.86	3500	226
	Aug 2017	130	151	13	131	0	131	141	6034.02	3507	156
	Sep 2017	75	90	12	126	0	126	139	6032.85	3460	143
	WY 2017	**2267**	**2183**	**81**	**1761**	**78**	**1839**				**3529**
	Oct 2017	73	85	8	131	0	131	137	6031.54	3409	161
	Nov 2017	57	81	4	126	0	126	135	6030.33	3362	157
	Dec 2017	35	77	2	131	0	131	133	6028.93	3308	156
	Jan 2018	40	84	2	131	0	131	131	6027.70	3261	156
	Feb 2018	45	84	2	118	0	118	130	6026.77	3226	146
	Mar 2018	102	124	3	131	0	131	129	6026.51	3216	207
	Apr 2018	134	137	5	126	0	126	130	6026.66	3222	342
	May 2018	245	186	8	184	0	184	129	6026.50	3216	716
	Jun 2018	390	262	10	211	0	211	131	6027.53	3255	631
	Jul 2018	210	162	13	98	0	98	133	6028.79	3303	198
	Aug 2018	89	104	13	98	0	98	133	6028.62	3296	124
	Sep 2018	55	78	11	95	0	95	132	6027.91	3269	114
	WY 2018	**1475**	**1462**	**80**	**1581**	**0**	**1581**				**3108**
	Oct 2018	59	82	7	98	0	98	131	6027.30	3246	131
	Nov 2018	51	78	3	95	0	95	130	6026.78	3226	127
	Dec 2018	35	74	2	98	0	98	129	6026.11	3201	124
	Jan 2019	40	81	2	98	0	98	128	6025.63	3183	123

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

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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)
*	Feb 2016	4	5	9309.07	68
H	Mar 2016	5	6	9308.44	67
I	Apr 2016	9	6	9310.70	71
S	May 2016	17	11	9314.16	77
T	Jun 2016	41	20	9325.34	97
O	Jul 2016	11	21	9320.04	87
R	Aug 2016	9	16	9315.75	79
I	Sep 2016	6	14	9310.77	71
	WY 2016	**125**	**125**		
C	Oct 2016	5	6	9310.23	70
A	Nov 2016	4	5	9309.76	70
L	Dec 2016	5	5	9309.56	69
*	Jan 2017	6	5	9309.76	70
	Feb 2017	3	5	9308.67	68
	Mar 2017	3	6	9306.61	65
	Apr 2017	7	15	9301.10	57
	May 2017	35	22	9309.97	70
	Jun 2017	63	30	9328.45	103
	Jul 2017	23	25	9327.65	101
	Aug 2017	11	18	9323.81	94
	Sep 2017	9	18	9319.03	85
	WY 2017	**174**	**160**		
	Oct 2017	8	12	9316.40	81
	Nov 2017	5	6	9316.10	80
	Dec 2017	5	6	9315.34	79
	Jan 2018	4	6	9314.37	77
	Feb 2018	4	6	9313.05	75
	Mar 2018	4	6	9312.11	73
	Apr 2018	9	6	9313.77	76
	May 2018	28	20	9318.55	84
	Jun 2018	42	22	9328.93	104
	Jul 2018	20	22	9328.00	102
	Aug 2018	10	20	9323.00	92
	Sep 2018	7	16	9318.29	84
	WY 2018	**147**	**148**		
	Oct 2018	7	8	9317.53	83
	Nov 2018	5	6	9317.03	82
	Dec 2018	5	6	9316.27	80
	Jan 2019	4	6	9315.31	79

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

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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)
*	Feb 2016	26	27	0	59	0	58	7487.04	559
H	Mar 2016	41	42	0	36	0	37	7487.62	563
I	Apr 2016	75	72	1	63	0	63	7488.62	571
S	May 2016	161	155	1	134	19	153	7488.74	572
T	Jun 2016	285	265	1	46	0	46	7514.84	788
O	Jul 2016	81	91	2	112	0	112	7512.31	766
R	Aug 2016	57	65	1	110	0	110	7506.94	720
I	Sep 2016	38	46	1	100	0	100	7500.48	665
	WY 2016	**881**	**882**	**9**	**913**	**19**	**934**		
C	Oct 2016	32	33	1	90	0	90	7493.44	608
A	Nov 2016	26	27	0	33	0	33	7492.53	601
L	Dec 2016	26	26	0	35	0	35	7491.43	593
*	Jan 2017	29	28	0	34	0	34	7490.68	587
	Feb 2017	21	23	0	54	0	54	7486.62	555
	Mar 2017	36	39	0	71	0	71	7482.36	523
	Apr 2017	95	103	1	63	0	63	7487.55	562
	May 2017	295	282	1	174	0	174	7500.95	669
	Jun 2017	400	367	1	205	65	269	7512.20	765
	Jul 2017	135	137	2	141	0	141	7511.52	759
	Aug 2017	70	77	1	146	0	146	7503.41	690
	Sep 2017	51	60	1	93	0	93	7499.25	655
	WY 2017	**1216**	**1202**	**9**	**1139**	**65**	**1203**		
	Oct 2017	47	52	1	64	0	64	7497.62	642
	Nov 2017	35	35	0	44	0	44	7496.55	633
	Dec 2017	26	27	0	85	0	85	7489.13	575
	Jan 2018	24	26	0	61	0	61	7484.55	540
	Feb 2018	22	25	0	44	0	44	7481.97	520
	Mar 2018	36	38	0	50	0	50	7480.24	508
	Apr 2018	77	74	1	60	0	60	7482.12	522
	May 2018	221	213	1	141	0	141	7491.41	592
	Jun 2018	261	241	1	86	0	86	7510.05	746
	Jul 2018	117	119	2	118	0	118	7510.01	746
	Aug 2018	63	73	1	127	0	127	7503.59	691
	Sep 2018	38	47	1	97	0	97	7497.42	640
	WY 2018	**968**	**969**	**8**	**975**	**0**	**975**		
	Oct 2018	38	40	1	68	0	68	7493.87	612
	Nov 2018	31	32	0	38	0	38	7493.13	606
	Dec 2018	26	27	0	58	0	58	7489.17	575
	Jan 2019	24	26	0	55	0	55	7485.41	546

* 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

February 2017 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)
*	Feb 2016	27	58	1	60	61	0	61	7148.82	108
H	Mar 2016	43	37	2	39	36	0	36	7152.74	111
I	Apr 2016	83	63	7	71	71	0	71	7152.57	111
S	May 2016	176	153	15	168	176	4	180	7136.53	99
T	Jun 2016	302	46	18	64	52	0	52	7152.31	111
O	Jul 2016	83	112	2	114	113	0	113	7153.43	112
R	Aug 2016	58	110	1	111	111	0	111	7153.88	112
I	Sep 2016	39	100	1	100	103	0	103	7150.03	109
	WY 2016	**931**	**934**	**49**	**983**	**972**	**5**	**978**		
C	Oct 2016	33	90	1	91	93	0	93	7146.55	106
A	Nov 2016	28	33	2	36	32	0	35	7147.39	107
L	Dec 2016	27	35	1	36	34	0	34	7150.44	109
*	Jan 2017	30	34	2	36	33	0	33	7153.75	112
	Feb 2017	23	54	2	56	56	0	56	7153.73	112
	Mar 2017	40	71	4	75	75	0	75	7153.73	112
	Apr 2017	110	63	15	78	78	0	78	7153.73	112
	May 2017	330	174	35	209	209	0	209	7153.73	112
	Jun 2017	435	269	35	304	296	8	304	7153.73	112
	Jul 2017	145	141	10	151	151	0	151	7153.73	112
	Aug 2017	74	146	4	150	150	0	150	7153.73	112
	Sep 2017	54	93	3	96	96	0	96	7153.73	112
	WY 2017	**1330**	**1203**	**114**	**1317**	**1303**	**8**	**1314**		
	Oct 2017	50	64	3	67	67	0	67	7153.73	112
	Nov 2017	37	44	2	46	46	0	46	7153.73	112
	Dec 2017	28	85	2	88	88	0	88	7153.73	112
	Jan 2018	27	61	2	63	63	0	63	7153.73	112
	Feb 2018	25	44	3	46	46	0	46	7153.73	112
	Mar 2018	40	50	4	54	54	0	54	7153.73	112
	Apr 2018	88	60	11	71	71	0	71	7153.73	112
	May 2018	247	141	26	167	167	0	167	7153.73	112
	Jun 2018	281	86	20	106	106	0	106	7153.73	112
	Jul 2018	123	118	6	124	124	0	124	7153.73	112
	Aug 2018	67	127	3	130	130	0	130	7153.73	112
	Sep 2018	41	97	3	99	99	0	99	7153.73	112
	WY 2018	**1053**	**975**	**85**	**1061**	**1061**	**0**	**1061**		
	Oct 2018	41	68	3	70	70	0	70	7153.73	112
	Nov 2018	33	38	2	40	40	0	40	7153.73	112
	Dec 2018	28	58	2	60	60	0	60	7153.73	112
	Jan 2019	27	55	2	57	57	0	57	7153.73	112

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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)
*	Feb 2016	30	61	3	64	63	0	63	6752.48	17	0	65
H	Mar 2016	48	36	5	41	41	0	41	6752.32	17	2	41
I	Apr 2016	92	71	9	80	80	0	80	6751.41	16	47	36
S	May 2016	194	180	18	198	109	64	197	6753.13	17	51	154
T	Jun 2016	344	52	41	93	74	20	93	6752.00	17	43	53
O	Jul 2016	89	113	6	119	117	2	119	6750.04	16	64	58
R	Aug 2016	62	111	4	114	114	0	114	6749.30	16	62	53
I	Sep 2016	42	103	3	106	106	1	107	6747.05	15	59	47
	WY 2016	**1034**	**978**	**103**	**1081**	**811**	**243**	**1080**			**384**	**724**
C	Oct 2016	37	93	4	97	97	0	97	6747.92	15	57	39
A	Nov 2016	31	35	3	38	37	0	37	6750.47	16	1	36
L	Dec 2016	31	34	4	38	36	1	37	6751.45	17	0	37
*	Jan 2017	35	33	4	37	36	2	37	6750.29	16	1	37
	Feb 2017	27	56	4	60	59	0	59	6753.04	17	0	59
	Mar 2017	44	75	4	79	79	0	79	6753.04	17	5	74
	Apr 2017	130	78	20	98	98	0	98	6753.04	17	30	68
	May 2017	375	209	45	254	134	120	254	6753.04	17	55	199
	Jun 2017	485	304	50	354	130	225	354	6753.04	17	60	294
	Jul 2017	160	151	15	166	134	32	166	6753.04	17	65	101
	Aug 2017	78	150	4	154	134	20	154	6753.04	17	65	89
	Sep 2017	60	96	6	102	102	0	102	6753.04	17	55	47
	WY 2017	**1493**	**1314**	**163**	**1477**	**1076**	**399**	**1475**			**394**	**1081**
	Oct 2017	56	67	6	73	73	0	73	6753.04	17	30	43
	Nov 2017	42	46	5	51	51	0	51	6753.04	17	0	51
	Dec 2017	32	88	5	92	92	0	92	6753.04	17	0	92
	Jan 2018	31	63	5	68	68	0	68	6753.04	17	0	68
	Feb 2018	29	46	4	50	50	0	50	6753.04	17	0	50
	Mar 2018	46	54	6	60	60	0	60	6753.04	17	5	55
	Apr 2018	101	71	12	83	83	0	83	6753.04	17	30	53
	May 2018	281	167	34	201	134	67	201	6753.04	17	55	146
	Jun 2018	315	106	34	140	130	10	140	6753.04	17	60	80
	Jul 2018	138	124	14	138	134	4	138	6753.04	17	65	73
	Aug 2018	75	130	8	138	134	4	138	6753.04	17	65	73
	Sep 2018	47	99	6	105	105	0	105	6753.04	17	55	50
	WY 2018	**1192**	**1061**	**139**	**1200**	**1115**	**85**	**1200**			**365**	**835**
	Oct 2018	47	70	6	76	76	0	76	6753.04	17	30	46
	Nov 2018	38	40	5	45	45	0	45	6753.04	17	0	45
	Dec 2018	32	60	5	65	65	0	65	6753.04	17	0	65
	Jan 2019	31	57	5	61	61	0	61	6753.04	17	0	61

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February 2017 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)
*	Feb 2016	7	6	7649.77	86
H	Mar 2016	14	6	7652.71	94
I	Apr 2016	25	13	7657.23	105
S	May 2016	60	44	7663.23	121
T	Jun 2016	77	73	7664.30	124
O	Jul 2016	17	38	7656.15	102
R	Aug 2016	15	33	7648.82	84
I	Sep 2016	14	27	7643.21	71
	WY 2016	**269**	**270**		
C	Oct 2016	11	8	7644.63	74
A	Nov 2016	6	2	7646.51	79
L	Dec 2016	6	2	7647.98	82
*	Jan 2017	7	5	7648.89	84
	Feb 2017	4	3	7649.10	85
	Mar 2017	9	2	7651.99	92
	Apr 2017	24	2	7660.60	114
	May 2017	85	85	7660.27	113
	Jun 2017	97	89	7663.18	121
	Jul 2017	29	42	7657.82	106
	Aug 2017	20	38	7650.50	88
	Sep 2017	17	30	7644.97	75
	WY 2017	**315**	**308**		
	Oct 2017	15	17	7644.06	73
	Nov 2017	9	2	7647.04	80
	Dec 2017	6	2	7648.92	84
	Jan 2018	5	2	7650.37	88
	Feb 2018	5	2	7651.60	91
	Mar 2018	9	2	7654.25	97
	Apr 2018	23	2	7662.46	119
	May 2018	71	69	7663.20	121
	Jun 2018	70	70	7663.20	121
	Jul 2018	29	42	7658.13	107
	Aug 2018	20	38	7650.74	89
	Sep 2018	17	30	7645.44	76
	WY 2018	**281**	**276**		
	Oct 2018	16	17	7644.66	75
	Nov 2018	9	2	7647.65	81
	Dec 2018	6	2	7649.52	86
	Jan 2019	5	2	7650.96	89

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February 2017 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)
*	Feb 2016	42	2	39	1	1	28	6064.39	1405	43
H	Mar 2016	81	6	67	2	4	25	6067.08	1441	53
I	Apr 2016	119	14	94	3	19	22	6070.75	1491	53
S	May 2016	209	28	165	4	12	91	6074.87	1549	175
T	Jun 2016	214	35	174	5	25	250	6067.29	1443	376
O	Jul 2016	24	4	40	5	37	79	6061.29	1364	97
R	Aug 2016	30	4	45	4	33	35	6059.16	1337	54
I	Sep 2016	21	1	33	3	27	30	6056.98	1310	41
	WY 2016	**864**	**96**	**769**	**29**	**169**	**653**			**1056**
C	Oct 2016	27	0	24	2	5	27	6056.19	1300	46
A	Nov 2016	24	0	19	1	0	22	6055.87	1296	44
L	Dec 2016	26	0	22	1	0	21	6055.92	1297	41
*	Jan 2017	35	0	33	1	0	23	6056.65	1306	42
	Feb 2017	35	0	34	1	0	28	6057.11	1311	39
	Mar 2017	120	2	111	2	5	31	6062.85	1384	50
	Apr 2017	190	17	151	3	20	30	6070.19	1483	93
	May 2017	340	49	291	4	34	261	6069.61	1475	445
	Jun 2017	290	45	236	4	50	297	6060.93	1360	496
	Jul 2017	60	10	64	4	55	135	6050.36	1230	204
	Aug 2017	56	2	72	3	46	33	6049.50	1220	72
	Sep 2017	50	1	62	3	26	27	6050.09	1227	58
	WY 2017	**1253**	**126**	**1119**	**27**	**242**	**933**			**1628**
	Oct 2017	52	2	52	2	9	23	6051.56	1244	51
	Nov 2017	35	1	28	1	0	22	6051.93	1248	40
	Dec 2017	25	0	20	1	0	23	6051.65	1245	38
	Jan 2018	22	0	18	1	0	23	6051.21	1240	37
	Feb 2018	30	0	27	1	0	21	6051.67	1245	33
	Mar 2018	92	2	83	2	5	23	6056.07	1299	45
	Apr 2018	170	15	134	2	21	22	6063.06	1387	75
	May 2018	277	37	237	4	35	151	6066.62	1434	297
	Jun 2018	224	32	191	4	51	272	6056.05	1298	423
	Jul 2018	66	6	72	4	56	44	6053.49	1267	111
	Aug 2018	45	1	62	3	47	33	6051.65	1245	72
	Sep 2018	43	1	55	3	26	26	6051.65	1245	58
	WY 2018	**1082**	**98**	**979**	**27**	**251**	**684**			**1281**
	Oct 2018	47	2	47	2	10	23	6052.68	1257	51
	Nov 2018	34	1	26	1	0	22	6052.89	1260	40
	Dec 2018	25	0	21	1	0	23	6052.63	1257	38
	Jan 2019	22	0	18	1	0	23	6052.19	1251	37

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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)
*	Feb 2016	396	490	8	700	0	700	3594.41	4952	11224	704
H	Mar 2016	553	486	14	694	0	694	3592.18	4935	11019	707
I	Apr 2016	814	681	22	665	0	665	3592.12	4935	11014	681
S	May 2016	2294	1925	26	700	0	700	3603.87	5024	12123	709
T	Jun 2016	2907	2618	46	800	0	800	3620.01	5155	13764	807
O	Jul 2016	595	804	58	950	0	950	3618.22	5140	13576	963
R	Aug 2016	253	432	56	900	0	900	3613.55	5101	13091	914
I	Sep 2016	281	461	50	699	0	699	3610.93	5080	12824	712
	WY 2016	**9616**	**9909**	**378**	**9000**	**0**	**9000**				**9117**
C	Oct 2016	381	477	35	601	0	601	3609.48	5068	12678	610
A	Nov 2016	383	389	33	624	126	750	3605.81	5039	12313	754
L	Dec 2016	300	366	26	898	0	898	3600.49	4997	11797	913
*	Jan 2017	359	415	8	880	0	880	3595.86	4962	11359	900
	Feb 2017	400	475	8	715	0	715	3593.38	4944	11130	719
	Mar 2017	720	721	14	720	0	720	3593.25	4943	11117	725
	Apr 2017	1200	998	22	620	0	620	3596.80	4969	11447	629
	May 2017	3300	3000	29	645	0	645	3618.46	5142	13601	653
	Jun 2017	3750	3443	51	750	0	750	3640.37	5337	16047	757
	Jul 2017	1350	1276	67	850	0	850	3643.16	5364	16379	866
	Aug 2017	600	701	67	900	0	900	3641.10	5344	16133	915
	Sep 2017	450	547	61	670	0	670	3639.66	5331	15963	683
	WY 2017	**13193**	**12808**	**419**	**8874**	**126**	**9000**				**9126**
	Oct 2017	547	605	42	640	0	640	3639.05	5325	15891	649
	Nov 2017	489	555	40	640	0	640	3638.06	5316	15775	644
	Dec 2017	363	516	32	720	0	720	3636.18	5298	15557	723
	Jan 2018	361	489	10	860	0	860	3633.11	5270	15204	867
	Feb 2018	393	478	11	750	0	750	3630.80	5249	14943	754
	Mar 2018	665	646	18	800	0	800	3629.38	5236	14784	805
	Apr 2018	1056	919	28	710	0	710	3630.87	5250	14951	719
	May 2018	2343	2149	35	710	0	710	3642.08	5354	16250	718
	Jun 2018	2666	2444	58	750	0	750	3654.36	5475	17765	757
	Jul 2018	1091	1020	73	850	0	850	3655.07	5482	17855	866
	Aug 2018	500	610	72	900	0	900	3652.42	5455	17519	915
	Sep 2018	408	516	65	670	0	670	3650.80	5439	17316	683
	WY 2018	**10882**	**10946**	**484**	**9000**	**0**	**9000**				**9102**
	Oct 2018	512	569	45	640	0	640	3649.94	5430	17208	649
	Nov 2018	473	513	43	640	0	640	3648.67	5418	17051	644
	Dec 2018	363	456	34	720	0	720	3646.43	5396	16775	723
	Jan 2019	361	451	11	1230	0	1230	3640.34	5337	16044	1237

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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)
*	Feb 2016	700	81	28	699	12.2	10	698	673	1084.17	10360
H	Mar 2016	694	31	31	1008	16.4	18	1007	653	1080.45	10048
I	Apr 2016	665	68	38	1055	17.7	18	1055	630	1076.13	9693
S	May 2016	700	50	43	887	14.4	22	885	618	1073.80	9504
T	Jun 2016	800	14	51	920	15.5	28	919	606	1071.64	9330
O	Jul 2016	950	70	64	831	13.5	30	830	612	1072.75	9419
R	Aug 2016	900	107	69	701	11.4	28	700	625	1075.17	9615
I	Sep 2016	699	88	57	702	11.8	22	701	625	1075.23	9620
	WY 2016	**9000**	**798**	**531**	**9293**		**224**	**9282**			
C	Oct 2016	601	78	42	518	8.4	23	517	631	1076.34	9710
A	Nov 2016	750	77	42	751	12.6	16	750	632	1076.55	9727
L	Dec 2016	898	64	36	542	8.8	9	536	655	1080.82	10079
*	Jan 2017	880	126	30	500	8.1	5	494	684	1086.08	10521
	Feb 2017	715	73	28	514	9.2	8	514	698	1088.70	10745
	Mar 2017	720	55	31	1004	16.3	16	1004	682	1085.66	10486
	Apr 2017	620	53	39	1075	18.1	23	1075	653	1080.48	10051
	May 2017	645	37	44	943	15.3	28	943	633	1076.69	9739
	Jun 2017	750	21	52	864	14.5	29	864	622	1074.69	9576
	Jul 2017	850	78	65	815	13.3	32	815	623	1074.87	9590
	Aug 2017	900	124	69	751	12.2	30	751	634	1076.89	9755
	Sep 2017	670	112	57	698	11.7	27	698	634	1076.89	9755
	WY 2017	**9000**	**900**	**535**	**8973**		**247**	**8959**			
	Oct 2017	640	69	42	501	8.1	22	501	643	1078.54	9890
	Nov 2017	640	56	42	722	12.1	14	722	638	1077.61	9814
	Dec 2017	720	54	36	691	11.2	10	691	640	1078.04	9849
	Jan 2018	860	62	30	723	11.8	7	723	650	1079.88	10001
	Feb 2018	750	73	27	603	10.9	8	603	662	1082.07	10184
	Mar 2018	800	55	31	1046	17.0	16	1046	647	1079.39	9960
	Apr 2018	710	53	38	1102	18.5	23	1102	623	1074.80	9585
	May 2018	710	37	43	970	15.8	29	970	605	1071.37	9309
	Jun 2018	750	21	51	871	14.6	29	871	594	1069.25	9140
	Jul 2018	850	78	63	825	13.4	32	825	594	1069.22	9137
	Aug 2018	900	124	68	769	12.5	30	769	604	1071.08	9285
	Sep 2018	670	112	56	692	11.6	27	692	604	1071.17	9292
	WY 2018	**9000**	**795**	**526**	**9513**		**248**	**9513**			
	Oct 2018	640	69	41	491	8.0	22	491	613	1072.98	9438
	Nov 2018	640	56	41	631	10.6	14	631	614	1073.10	9447
	Dec 2018	720	54	36	599	9.7	11	599	622	1074.59	9568
	Jan 2019	1230	62	30	678	11.0	14	678	657	1081.12	10104

* 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

February 2017 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)
*	Feb 2016	699	-20	10	675	0	675	11.7	641.03	1645
H	Mar 2016	1008	-16	13	921	0	921	15.0	643.17	1703
I	Apr 2016	1055	-18	17	979	0	979	16.4	644.70	1746
S	May 2016	887	-6	22	903	0	903	14.7	643.07	1701
T	Jun 2016	920	-16	26	838	0	838	14.1	644.53	1741
O	Jul 2016	831	-24	26	803	0	803	13.1	643.75	1719
R	Aug 2016	701	-12	23	714	0	714	11.6	642.00	1671
I	Sep 2016	702	-18	18	711	0	711	11.9	640.34	1627
	WY 2016	**9293**	**-195**	**198**	**8879**	**0**	**8879**			
C	Oct 2016	518	-7	15	640	0	640	10.4	634.86	1482
A	Nov 2016	751	-29	11	574	0	574	9.6	640.09	1620
L	Dec 2016	542	-17	9	482	0	482	7.8	641.31	1653
*	Jan 2017	500	-23	10	408	0	408	6.6	643.47	1712
	Feb 2017	514	-14	10	530	0	530	9.5	642.00	1671
	Mar 2017	1004	-16	13	961	0	961	15.6	642.50	1685
	Apr 2017	1075	-19	17	1025	0	1025	17.2	643.00	1699
	May 2017	943	-13	22	908	0	908	14.8	643.00	1699
	Jun 2017	864	-16	25	849	0	849	14.3	642.00	1671
	Jul 2017	815	-13	25	790	0	790	12.9	641.50	1658
	Aug 2017	751	-11	23	717	0	717	11.7	641.50	1658
	Sep 2017	698	-9	18	711	0	711	11.9	640.01	1617
	WY 2017	**8973**	**-188**	**198**	**8596**	**0**	**8596**			
	Oct 2017	501	-1	15	668	0	668	10.9	633.00	1434
	Nov 2017	722	-8	10	652	0	652	11.0	635.00	1486
	Dec 2017	691	-12	9	572	0	572	9.3	638.71	1583
	Jan 2018	723	-14	10	616	0	616	10.0	641.80	1666
	Feb 2018	603	-14	10	579	0	579	10.4	641.80	1666
	Mar 2018	1046	-16	13	983	0	983	16.0	643.05	1700
	Apr 2018	1102	-19	17	1067	0	1067	17.9	643.00	1699
	May 2018	970	-13	22	934	0	934	15.2	643.00	1699
	Jun 2018	871	-16	25	856	0	856	14.4	642.00	1671
	Jul 2018	825	-13	25	800	0	800	13.0	641.50	1658
	Aug 2018	769	-11	23	735	0	735	12.0	641.50	1658
	Sep 2018	692	-9	18	705	0	705	11.8	640.01	1617
	WY 2018	**9513**	**-146**	**197**	**9170**	**0**	**9170**			
	Oct 2018	491	-1	15	658	0	658	10.7	633.00	1434
	Nov 2018	631	-8	10	562	0	562	9.4	635.00	1486
	Dec 2018	599	-12	9	481	0	481	7.8	638.71	1583
	Jan 2019	678	-14	10	571	0	571	9.3	641.80	1666

* 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

February 2017 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)
*	Feb 2016	675	9	8	543	9.4	13	117	446.50	552	180	3.1
H	Mar 2016	921	18	9	695	11.3	89	123	447.40	569	221	3.6
I	Apr 2016	979	18	11	689	11.6	93	169	448.89	597	202	3.4
S	May 2016	903	13	13	636	10.3	97	176	448.08	581	97	1.6
T	Jun 2016	838	18	15	633	10.6	95	89	448.81	596	92	1.5
O	Jul 2016	803	20	17	617	10.0	100	74	449.03	600	102	1.7
R	Aug 2016	714	23	17	570	9.3	85	65	448.50	590	99	1.6
I	Sep 2016	711	14	15	490	8.2	89	134	447.97	579	92	1.5
	WY 2016	**8879**	**225**	**140**	**6360**		**1057**	**1467**			**1496**	
C	Oct 2016	640	36	12	466	7.6	80	133	446.90	559	61	1.0
A	Nov 2016	574	21	9	374	6.3	78	140	446.33	549	97	1.6
L	Dec 2016	482	26	7	271	4.4	86	118	447.64	573	112	1.8
*	Jan 2017	408	34	6	244	4.0	68	126	447.29	567	126	2.1
	Feb 2017	530	12	8	451	8.1	13	68	447.00	561	160	2.9
	Mar 2017	961	4	9	718	11.7	40	181	447.50	570	198	3.2
	Apr 2017	1025	19	11	744	12.5	79	175	448.70	593	175	2.9
	May 2017	908	16	13	635	10.3	82	181	448.70	593	104	1.7
	Jun 2017	849	14	16	672	11.3	79	84	448.70	593	105	1.8
	Jul 2017	790	29	17	648	10.5	82	72	448.00	580	111	1.8
	Aug 2017	717	26	17	571	9.3	82	71	447.50	571	100	1.6
	Sep 2017	711	23	15	522	8.8	51	138	447.50	570	89	1.5
	WY 2017	**8596**	**259**	**140**	**6316**		**820**	**1490**			**1438**	
	Oct 2017	668	27	12	500	8.1	43	132	447.50	571	74	1.2
	Nov 2017	652	22	9	430	7.2	45	184	447.50	571	124	2.1
	Dec 2017	572	19	7	365	5.9	45	189	446.50	552	140	2.3
	Jan 2018	616	13	6	366	5.9	96	157	446.50	552	138	2.2
	Feb 2018	579	12	8	472	8.5	30	73	446.50	552	160	2.9
	Mar 2018	983	4	9	718	11.7	96	152	446.70	555	198	3.2
	Apr 2018	1067	19	11	749	12.6	94	184	448.70	593	175	2.9
	May 2018	934	16	13	640	10.4	96	189	448.70	593	104	1.7
	Jun 2018	856	14	16	675	11.4	94	73	448.70	593	105	1.8
	Jul 2018	800	29	17	643	10.5	96	73	448.00	580	111	1.8
	Aug 2018	735	26	17	573	9.3	96	73	447.50	571	100	1.6
	Sep 2018	705	23	15	508	8.5	39	157	447.50	570	89	1.5
	WY 2018	**9170**	**224**	**139**	**6640**		**871**	**1638**			**1517**	
	Oct 2018	658	27	12	486	7.9	32	147	447.50	571	74	1.2
	Nov 2018	562	22	9	390	6.6	32	147	447.50	571	116	1.9
	Dec 2018	481	19	7	329	5.3	32	147	446.50	552	131	2.1
	Jan 2019	571	13	6	362	5.9	105	107	446.50	552	134	2.2

* 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

February 2017 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
*	Feb 2016	699	12.2	1084.17	10360	41	437.39	880.0	277.0	55	396.1
H	Mar 2016	1008	16.4	1080.45	10048	-311	434.20	973.0	402.7	61	399.7
I	Apr 2016	1055	17.7	1076.13	9693	-355	429.37	1244.0	413.9	80	392.2
S	May 2016	887	14.4	1073.80	9504	-189	426.83	1164.0	343.6	74	387.5
T	Jun 2016	920	15.5	1071.64	9330	-174	425.27	1528.0	349.7	100	380.2
O	Jul 2016	831	13.5	1072.75	9419	89	427.46	1528.0	311.5	100	374.8
R	Aug 2016	701	11.4	1075.17	9615	196	431.00	1549.0	265.2	100	378.4
I	Sep 2016	702	11.8	1075.23	9620	5	429.97	1539.0	266.3	100	379.1
	WY 2016	**9293**							**3596.9**		
C	Oct 2016	518	8.4	1076.34	9710	90	438.10	1335.0	195.2	87	377.1
A	Nov 2016	751	12.6	1076.55	9727	17	427.42	1072.0	290.6	80	386.7
L	Dec 2016	542	8.8	1080.82	10079	352	438.26	1103.0	207.3	71	382.3
*	Jan 2017	500	8.1	1086.08	10521	442	442.12	857.0	192.4	55	384.9
	Feb 2017	514	9.2	1088.70	10745	224	438.52	938.0	202.6	58	394.4
	Mar 2017	1004	16.3	1085.66	10486	-259	436.23	1283.0	396.5	80	395.0
	Apr 2017	1075	18.1	1080.48	10051	-435	431.78	1267.1	426.1	81	396.5
	May 2017	943	15.3	1076.69	9739	-312	427.23	1240.0	367.9	80	390.1
	Jun 2017	864	14.5	1074.69	9576	-163	422.58	1535.0	327.9	100	379.5
	Jul 2017	815	13.3	1074.87	9590	15	422.16	1536.0	313.0	100	383.9
	Aug 2017	751	12.2	1076.89	9755	164	423.41	1549.0	286.5	100	381.8
	Sep 2017	698	11.7	1076.89	9755	0	424.90	1547.0	266.1	100	381.3
	WY 2017	**8973**							**3472.0**		
	Oct 2017	501	8.1	1078.54	9890	135	430.57	1158.0	195.6	74	390.7
	Nov 2017	722	12.1	1077.61	9814	-76	433.97	1042.0	285.9	67	396.1
	Dec 2017	691	11.2	1078.04	9849	35	431.68	1067.0	269.4	69	390.0
	Jan 2018	723	11.8	1079.88	10001	152	431.26	978.0	284.6	63	393.6
	Feb 2018	603	10.9	1082.07	10184	183	432.28	980.0	235.4	63	390.5
	Mar 2018	1046	17.0	1079.39	9960	-223	430.90	1076.0	415.0	69	396.8
	Apr 2018	1102	18.5	1074.80	9585	-375	428.26	863.9	447.8	57	406.3
	May 2018	970	15.8	1071.37	9309	-276	422.33	1135.1	376.5	75	388.2
	Jun 2018	871	14.6	1069.25	9140	-169	417.25	1499.0	326.6	100	375.1
	Jul 2018	825	13.4	1069.22	9137	-3	416.67	1505.6	313.1	100	379.4
	Aug 2018	769	12.5	1071.08	9285	148	417.74	1516.2	290.5	100	377.7
	Sep 2018	692	11.6	1071.17	9292	7	419.19	1516.7	260.1	100	376.0
	WY 2018	**9513**							**3700.4**		
	Oct 2018	491	8.0	1072.98	9438	145	424.96	1137.1	189.2	74	385.4
	Nov 2018	631	10.6	1073.10	9447	9	428.96	1029.6	243.0	67	385.2
	Dec 2018	599	9.7	1074.59	9568	121	427.72	1060.8	231.2	69	385.7
	Jan 2019	678	11.0	1081.12	10104	536	430.17	987.3	263.9	63	389.4

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

February 2017 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
*	Feb 2016	675	11.7	641.03	1645	-6	139.82	178.5	86.3	70	127.8
H	Mar 2016	921	15.0	643.17	1703	58	139.07	214.2	117.9	84	128.0
I	Apr 2016	979	16.4	644.70	1746	42	143.66	255.0	125.4	100	128.2
S	May 2016	903	14.7	643.07	1701	-45	141.63	252.5	115.5	99	127.8
T	Jun 2016	838	14.1	644.53	1741	40	143.17	255.0	107.4	100	128.1
O	Jul 2016	803	13.1	643.75	1719	-22	144.39	252.5	103.3	99	128.6
R	Aug 2016	714	11.6	642.00	1671	-48	142.46	255.0	91.6	100	128.4
I	Sep 2016	711	11.9	640.34	1627	-45	138.91	255.0	90.5	100	127.3
	WY 2016	**8879**							**1129.0**		
C	Oct 2016	640	10.4	634.86	1482	-144	135.70	201.5	79.3	79	123.8
A	Nov 2016	574	9.6	640.09	1620	138	140.91	170.9	71.1	67	123.8
L	Dec 2016	482	7.8	641.31	1653	33	138.48	168.3	61.4	66	127.3
*	Jan 2017	408	6.6	643.47	1712	59	143.95	164.5	54.6	65	133.8
	Feb 2017	530	9.5	642.00	1671	-40	138.48	162.1	67.3	64	126.9
	Mar 2017	961	15.6	642.50	1685	14	135.84	233.6	119.6	92	124.4
	Apr 2017	1025	17.2	643.00	1699	14	135.78	255.0	127.5	100	124.4
	May 2017	908	14.8	643.00	1699	0	136.04	255.0	113.8	100	125.4
	Jun 2017	849	14.3	642.00	1671	-27	135.51	255.0	106.2	100	125.1
	Jul 2017	790	12.9	641.50	1658	-14	134.73	255.0	98.7	100	124.8
	Aug 2017	717	11.7	641.50	1658	0	134.46	255.0	89.6	100	125.0
	Sep 2017	711	11.9	640.01	1617	-40	133.68	255.0	88.4	100	124.3
	WY 2017	**8596**							**1077.3**		
	Oct 2017	668	10.9	633.00	1434	-183	130.74	202.3	80.7	79	120.8
	Nov 2017	652	11.0	635.00	1486	51	129.19	170.0	77.3	67	118.5
	Dec 2017	572	9.3	638.71	1583	97	132.25	167.8	69.7	66	121.7
	Jan 2018	616	10.0	641.80	1666	83	134.43	210.6	76.7	83	124.5
	Feb 2018	579	10.4	641.80	1666	0	136.73	187.6	72.8	74	125.7
	Mar 2018	983	16.0	643.05	1700	34	137.26	190.8	122.3	75	124.5
	Apr 2018	1067	17.9	643.00	1699	-2	136.07	255.0	132.8	100	124.4
	May 2018	934	15.2	643.00	1699	0	136.04	255.0	117.0	100	125.2
	Jun 2018	856	14.4	642.00	1671	-27	135.51	255.0	107.1	100	125.0
	Jul 2018	800	13.0	641.50	1658	-14	134.73	255.0	99.9	100	124.8
	Aug 2018	735	12.0	641.50	1658	0	134.46	255.0	91.9	100	124.9
	Sep 2018	705	11.8	640.01	1617	-40	133.68	255.0	87.6	100	124.3
	WY 2018	**9170**							**1135.8**		
	Oct 2018	658	10.7	633.00	1434	-183	130.74	202.3	79.5	79	120.9
	Nov 2018	562	9.4	635.00	1486	51	129.19	170.0	66.9	67	119.1
	Dec 2018	481	7.8	638.71	1583	97	132.25	167.8	58.8	66	122.3
	Jan 2019	571	9.3	641.80	1666	83	134.43	210.6	71.2	83	124.8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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Managing Water in the West

February 2017 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
*	Feb 2016	528	9.4	446.50	552	-2	78.54	87.6	38.1	73	72.2
H	Mar 2016	695	11.3	447.40	569	17	81.63	104.4	48.9	87	70.3
I	Apr 2016	689	11.6	448.89	597	28	83.09	120.0	48.4	100	70.3
S	May 2016	636	10.3	448.08	581	-15	82.13	120.0	45.1	100	70.9
T	Jun 2016	633	10.6	448.81	596	14	83.02	120.0	44.8	100	70.8
O	Jul 2016	617	10.0	449.03	600	4	83.16	120.0	43.7	100	70.9
R	Aug 2016	570	9.3	448.50	590	-10	82.60	120.0	40.2	100	70.7
I	Sep 2016	490	8.2	447.97	579	-10	82.24	120.0	34.7	100	70.9
	WY 2016	**6345**							**447.6**		
C	Oct 2016	466	7.6	446.90	559	-20	78.88	93.6	32.8	78	70.5
A	Nov 2016	374	6.3	446.33	549	-11	80.55	90.0	26.0	75	69.6
L	Dec 2016	271	4.4	447.64	573	24	83.20	117.6	17.9	98	65.9
*	Jan 2017	244	4.0	447.29	567	-6	81.95	93.9	16.2	78	66.5
	Feb 2017	451	8.1	447.00	561	-5	75.35	101.8	29.4	85	65.3
	Mar 2017	718	11.7	447.50	570	9	74.64	120.0	47.0	100	65.4
	Apr 2017	744	12.5	448.70	593	23	75.47	120.0	49.3	100	66.2
	May 2017	635	10.3	448.70	593	0	76.05	120.0	42.1	100	66.3
	Jun 2017	672	11.3	448.70	593	0	76.05	120.0	44.6	100	66.5
	Jul 2017	648	10.5	448.00	580	-13	75.71	120.0	42.8	100	66.1
	Aug 2017	571	9.3	447.50	571	-9	75.13	120.0	37.3	100	65.3
	Sep 2017	522	8.8	447.50	570	0	75.69	102.0	34.3	85	65.8
	WY 2017	**6316**							**419.8**		
	Oct 2017	500	8.1	447.50	571	0	74.97	118.1	32.4	98	64.9
	Nov 2017	430	7.2	447.50	571	0	75.93	97.0	28.2	81	65.4
	Dec 2017	365	5.9	446.50	552	-19	74.40	120.0	23.2	100	63.6
	Jan 2018	366	5.9	446.50	552	0	74.88	98.7	23.4	82	64.0
	Feb 2018	472	8.5	446.50	552	0	75.04	95.4	30.9	79	65.3
	Mar 2018	718	11.7	446.70	555	4	74.01	120.0	46.7	100	65.0
	Apr 2018	749	12.6	448.70	593	38	75.08	120.0	49.4	100	65.9
	May 2018	640	10.4	448.70	593	0	76.05	120.0	42.4	100	66.3
	Jun 2018	675	11.4	448.70	593	0	76.05	120.0	44.9	100	66.5
	Jul 2018	643	10.5	448.00	580	-13	75.71	120.0	42.5	100	66.0
	Aug 2018	573	9.3	447.50	571	-9	75.13	120.0	37.5	100	65.4
	Sep 2018	508	8.5	447.50	570	0	75.73	101.0	33.4	84	65.8
	WY 2018	**6640**							**434.8**		
	Oct 2018	486	7.9	447.50	571	0	75.01	117.1	31.5	98	64.9
	Nov 2018	390	6.6	447.50	571	0	75.83	99.0	25.4	83	65.0
	Dec 2018	329	5.3	446.50	552	-19	74.40	120.0	20.8	100	63.2
	Jan 2019	362	5.9	446.50	552	0	75.02	95.8	23.2	80	64.1

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

February 2017 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
*	Feb 2016	302	45	16	21	12	4
H	Mar 2016	298	20	10	11	7	4
	Winter 2016	**1871**	**274**	**100**	**118**	**38**	**23**
I	Apr 2016	288	19	18	25	16	4
S	May 2016	305	20	38	61	21	7
T	Jun 2016	360	105	14	18	15	9
O	Jul 2016	435	46	34	40	22	6
R	Aug 2016	408	44	33	39	22	6
I	Sep 2016	315	42	30	36	20	3
	Summer 2016	**2111**	**276**	**166**	**218**	**116**	**34**
C	Oct 2016	269	33	26	33	19	0
A	Nov 2016	277	30	9	11	6	0
L	Dec 2016	395	41	10	11	6	0
*	Jan 2017	385	43	10	11	5	0
	Feb 2017	278	36	16	20	10	5
	Mar 2017	279	66	21	27	14	7
	Winter 2017	**1884**	**251**	**91**	**113**	**59**	**11**
	Apr 2017	241	65	18	28	17	5
	May 2017	258	92	52	75	23	7
	Jun 2017	314	103	63	107	22	9
	Jul 2017	364	48	44	54	23	10
	Aug 2017	386	48	45	54	23	10
	Sep 2017	286	47	28	35	18	7
	Summer 2017	**1850**	**403**	**250**	**353**	**127**	**47**
	Oct 2017	273	48	19	24	13	7
	Nov 2017	272	47	13	17	9	6
	Dec 2017	306	48	25	32	16	6
	Jan 2018	363	48	18	23	12	6
	Feb 2018	315	43	13	17	9	5
	Mar 2018	335	48	14	19	10	5
	Winter 2018	**1865**	**281**	**103**	**131**	**68**	**35**
	Apr 2018	297	46	17	26	14	6
	May 2018	301	67	41	60	23	7
	Jun 2018	325	77	26	38	22	8
	Jul 2018	373	36	36	45	23	10
	Aug 2018	394	36	39	47	23	9
	Sep 2018	292	35	29	36	18	6
	Summer 2018	**1691**	**263**	**160**	**216**	**106**	**39**
	Oct 2018	279	36	20	25	13	6
	Nov 2018	278	35	11	14	8	6
	Dec 2018	312	36	17	22	11	6
	Jan 2019	528	36	16	20	11	6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
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February 2017 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****										
Feb 2017	822	243	390	12963	14417	16856	31273	631	210	106	947	12963	16856	30766	1500	514	0	29.4
Mar 2017	873	274	385	13192	14724	16632	31356	681	243	100	1024	13192	16632	30848	1500	1004	0	29.1
Apr 2017	924	306	312	13205	14746	16891	31638	729	277	20	1026	13205	16891	31122	1500	1075	0	29.2
May 2017	885	267	213	12875	14240	17326	31566	682	246	-101	827	12875	17326	31027	1500	943	0	31.4
Jun 2017	714	160	221	10721	11816	17638	29454	499	125	-132	492	10721	17638	28851	1500	864	0	33.9
Jul 2017	453	64	336	8275	9130	17801	26931	219	-6	-71	142	8275	17801	26219	1500	815	0	34.3
								****CREDITABLE SPACE****										
Aug 2017	256	70	466	7943	8736	17787	26522	256	70	466	793	7943	17787	26522	1500	751	0	34.1
Sep 2017	273	140	476	8189	9078	17622	26700	273	140	476	889	8189	17622	26700	2270	698	0	33.8
Oct 2017	336	174	469	8359	9339	17622	26961	336	174	469	979	8359	17622	26961	3040	501	0	33.6
Nov 2017	400	188	452	8431	9470	17487	26957	400	188	452	1039	8431	17487	26957	3810	722	0	33.4
Dec 2017	471	196	448	8547	9662	17563	27225	471	196	448	1115	8547	17563	27225	4580	691	0	33.1
Jan 2018	567	255	451	8765	10038	17528	27566	567	255	451	1273	8765	17528	27566	5350	723	0	32.8
								****EFFECTIVE SPACE****										
Jan 2018	567	255	451	8765	10038	17528	27566	166	200	208	574	8765	17528	26867	5350	723	0	32.8
Feb 2018	658	290	456	9118	10522	17376	27898	256	237	212	705	9118	17376	27199	1500	603	0	32.7
Mar 2018	733	309	451	9379	10872	17193	28074	330	258	206	794	9379	17193	27375	1500	1046	0	32.3
Apr 2018	764	322	397	9538	11022	17417	28448	358	272	146	776	9538	17417	27740	1500	1102	0	32.3
May 2018	763	308	309	9371	10751	17792	28552	351	254	34	640	9371	17792	27812	1500	970	0	33.5
Jun 2018	711	237	262	8072	9281	18068	27358	290	174	-52	413	8072	18068	26562	1500	871	0	35.0
Jul 2018	546	83	398	6557	7584	18237	25830	112	-1	29	140	6557	18237	24943	1500	825	0	35.1
								****CREDITABLE SPACE****										
Aug 2018	453	84	429	6467	7433	18240	25672	453	84	429	965	6467	18240	25672	1500	769	0	34.8
Sep 2018	477	138	451	6803	7869	18092	25961	477	138	451	1066	6803	18092	25961	2270	692	0	34.5
Oct 2018	529	189	451	7006	8175	18085	26260	529	189	451	1169	7006	18085	26260	3040	491	0	34.2
Nov 2018	576	218	439	7114	8346	17939	26285	576	218	439	1232	7114	17939	26285	3810	631	0	34.1
Dec 2018	623	224	436	7271	8554	17930	26484	623	224	436	1283	7271	17930	26484	4580	599	0	33.9
Jan 2019	688	255	439	7547	8929	17809	26738	688	255	439	1382	7547	17809	26738	5350	678	0	33.7
								****EFFECTIVE SPACE****										
Jan 2019	688	255	439	7547	8929	17809	26738	388	251	193	832	7547	17809	26188	5350	678	0	33.7

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