January 24-Month Study
Date: January 14, 2019

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

Current Reservoir Status

Reservoir	December Inflow (unregulated) (acre-feet)	Percent of Average (%)	January 13, Midnight Elevation (feet)	January 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	30,500	95	6,480.61	169,000
Flaming Gorge	29,100	83	6,026.87	3,230,000
Blue Mesa	19,500	76	7,438.26	251,000
Navajo	12,500	50	6,015.87	874,000
Powell	228,200	63	3,579.02	9,856,000

Expected Operations

The operation of Lake Powell and Lake Mead in this January 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 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 2019. This January 2019 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 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 January 24-Month Study projects a balancing release of 8.625 maf in water year 2019.

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 2019 operational tier determinations will be documented in the 2019 AOP, which is currently in development.

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

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6481.1 feet above sea level (feet), which amounts to 50 percent of live storage capacity. Inflows for the month of December totaled 30,500 acre-feet (af), or 95 percent of average. Average inflows are occurring and releases are being adjusted to increase available capacity in the reservoir. Releases are currently set at 1,000 cubic feet per second (cfs).

The Colorado Basin River Forecast Center has forecasted inflows that are near average. January, February, and March forecasted inflow volumes amount to 28,000 af (92 percent of average), 26,000 af (94 percent of average), and 43,000 af (82 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 – Releases are currently set at 2,000 cfs with fluctuations for hydropower. Average daily releases will likely remain at 2,000 cfs through the end of February.

Inflow into Flaming Gorge Reservoir during the month of December was 60,000 af, or 104 percent of average. The current reservoir elevation is 6027.0 feet (86 percent of live capacity) and decreasing.

The January final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: January, February, and March forecasted unregulated inflow volumes at 34,000 af (84 percent of average), 36,000 af (81 percent of average), and 80,000 af (78 percent of average), respectively.

The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the

Working Group webpage. For more information on this group and these meetings please contact Dale Hamilton at 801-379-1186 or Jed Parker at 801-524-3816.

Reclamation will be holding the Flaming Gorge Working Group meeting on Thursday, March 7, 2019 at 11:00 a.m. at the Carbon County Event Center, 310 South Fairground Road, Price Utah.

Aspinall Unit Reservoirs – As of January 10, 2019 releases from Crystal Dam are approximately 345 cfs. Uncompahgre Valley Water Users Association has stopped diversions through the Gunnison Tunnel except for periodic diversions to fill Fairview Reservoir. Flows through the Black Canyon are approximately 325 cfs. There is currently about a 20 cfs loss to the Gunnison River between Crystal Dam and the Gunnison Tunnel Diversion. As of January 10, 2019, Blue Mesa Reservoir elevation is 7438.02 feet which corresponds to storage content of 249,785 af (30 percent of capacity).

The December unregulated inflow to Blue Mesa Reservoir was 19,500 af (75 percent of average). Unregulated Inflows to Blue Mesa for the next three months (January, February and March) are projected to be: 16,000 af (67 percent of average), 14,000 af (64 percent of average) and 25,000 af (69 percent of average), respectively. For water year 2019, the unregulated inflow volume is forecasted to be 697,900 af (73 percent of average) with 500,000 af (74 percent of average) of unregulated inflow occurring during the April through July period. The January 24-Month Study is reflective of this new forecast.

Conditions are clearly very dry. Blue Mesa Reservoir did not fill in water year 2018 and will most likely not fill in water year 2019 either. Current projections indicate Blue Mesa storage will remain near the current level till March of 2019 before rebounding during the spring runoff. Current projections indicate Blue Mesa is at or near its low elevation for this year. The peak elevation for this water year will occur in or around late July when the elevation is projected to be 7475 feet. The projected end of water year 2019 elevation of Blue Mesa is 7467.15 feet which corresponds to a live storage content of 423,000 acre-feet (49 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 comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

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

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

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 17, 2019 at 1:00 pm at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – As of January 8, 2019, daily average release rate from Navajo Dam is 367 cfs and the observed inflow to Navajo Reservoir is 237 cfs. The reservoir elevation is 6016.04 feet which corresponds to a live storage of 875 thousand acre-feet (kaf) (51 percent of live storage capacity). This elevation also corresponds to an active storage of 214 kaf (21 percent of active storage capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 650 cfs. River flow at the Animas River at Farmington USGS gage is at 235 cfs. Releases from Navajo Dam are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, 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 December was 12,548 af (50 percent of average). SNOTEL sites above Navajo are at 73 percent of average with 7.6 inches of SWE.

Forecast modified-unregulated inflow to Navajo over the next three months (January, February, and March) are projected to be: 13,000 af (59 percent of average), 15,000 af (50 percent of average), and 38,000 af (41 percent of average), respectively.

The April through July runoff forecasts are as follows:
Min Probable: 230,000 af (31 percent of average)
Most Probable: 370,000 af (50 percent of average)
Max Probable: 700,000 af (95 percent of average)

The winter release will target the minimum baseflow in the critical habitat reach and may be reduced to as low as the minimum release of 250 cfs, so long as the target baseflow downstream is still met. Releases will remain as low as possible over the winter in an effort to conserve water in the reservoir.

Based on current storage and long-term projections, Navajo has a 10 percent chance of filling to at least 6050 ft and a 3 percent chance of filling to at least 6060 ft in the spring of 2019. Based on current projections there are no plans for a spring peak release.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and

exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir.

The next Navajo Public Operations Coordination Meeting is scheduled for Tuesday, January 29th, 2019, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow in December was 228 thousand acre-feet (63 percent of average). December precipitation in the Upper Colorado Basin was 65 percent of average. The release volume from Glen Canyon Dam in December was 740 kaf. The end of December elevation and storage of Lake Powell were 3,581.85 feet (118.15 feet from full pool) 10.10 maf (42 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 but there is potential for an April 2019 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected and Lake Powell is currently projected to release 8.625 maf in water year 2019. This projection will be updated each month throughout the water year.

In January, the release volume will be approximately 806 kaf, with fluctuations anticipated between about 8,500 cfs in the nighttime to about 16,240 cfs in the daytime and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (dated December, 2016). The anticipated release volume for February is 740 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 January 1, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 6.98 maf (64 percent of average). There is significant uncertainty regarding next season's snow pack development and resulting runoff into Lake Powell. The forecast ranges from a minimum probable of 4.81 maf (44 percent of average) to a maximum probable of 10.38 maf (96 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 January 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,571.07 feet with approximately 9.19 maf in storage (38 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 January 2019 are 3,543.56 feet (7.992 maf, 33 percent of capacity) and 3,588.09 feet (11.366 maf, 47 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 8.625 maf under the January most probable scenario, and 9.0 maf under the January maximum probable inflow scenarios and 8.23 maf under the January minimum probable inflow scenario.

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 6.98 maf (64 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 25.220 maf (42 percent of total system capacity). The actual end of water year 2019 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

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

:		Obs		dec	Forecast		Outlook		
:	sep	oct	nov	dec	%Avg	jan	feb	mar	apr-jul	%Avg
GLDA3:Lake Powell	0.92	351	254	228	63%:	235/	260/	415/	4550/:	64%
GBRW4:Fontenelle	30	42	38	30	94%:	28/	26/	43/	500/:	69%
GRNU1:Flaming Gorge	17.3	54	40	29	83%:	34/	36/	80/	630/:	64%
BMDC2:Blue Mesa	11.6	23	22	20	78%:	16/	14/	25/	500/:	74%
MPSC2:Morrow Point	13.8	24	23	21	76%:	17/	15/	27/	545/:	74%
CLSC2:Crystal	15.2	27	26	25	77%:	21/	18/	31/	610/:	73%
TPIC2:Taylor Park	2.9	4.6	3.3	3.6	77%:	3/	2.5/	2.5/	75/:	76%
VCRC2:Vallecito	3.3	8.5	5.2	3.3	52%:	3/	2.5/	4/	125/:	64%
NVRN5:Navajo	2.5	23	15.3	12.5	50%:	13/	15/	38/	370/:	50%
LEMC2:Lemon	0.48	1.85	1.02	0.52	47%:	0.5/	0.5/	1/	33/:	60%
MPHC2:McPhee	3.1	4.7	2.0	1.41	32%:	2/	2/	9/	190/:	64%
RBSC2:Ridgway	2.6	3.3	3.7	3.3	73%:	2.5/	2/	4/	74/:	73%
YDLC2:Deerlodge	1.79	18.3	18.5	19.3	76%:	16/	18/	55/	1050/:	85%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 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)
*	Jan 2018	42	1	79	1	80	6479.83	165
H	Feb 2018	38	0	72	0	72	6472.86	131
I	Mar 2018	58	0	16	56	71	6469.78	117
S	Apr 2018	101	1	83	4	87	6472.76	130
T	May 2018	354	2	100	123	223	6494.84	260
O	Jun 2018	404	2	101	269	370	6499.18	292
R	Jul 2018	138	3	92	8	100	6503.79	327
I	Aug 2018	50	2	75	1	76	6500.10	299
C	Sep 2018	30	2	7	58	65	6495.11	262
	WY 2018	**1397**	**15**	**856**	**528**	**1382**		
A	Oct 2018	42	1	45	20	65	6491.62	238
L	Nov 2018	38	1	60	0	60	6488.29	216
*	Dec 2018	30	1	61	1	61	6483.19	184
	Jan 2019	28	1	61	0	61	6476.92	151
	Feb 2019	26	0	56	0	56	6470.42	121
	Mar 2019	43	0	46	0	46	6469.59	117
	Apr 2019	60	1	45	0	45	6472.96	132
	May 2019	100	1	48	0	48	6482.86	183
	Jun 2019	220	2	102	0	102	6500.05	299
	Jul 2019	120	3	79	0	79	6504.94	337
	Aug 2019	57	2	55	0	55	6504.86	337
	Sep 2019	37	2	36	30	65	6500.96	306
	WY 2019	**802**	**15**	**693**	**50**	**744**		
	Oct 2019	42	1	69	0	69	6497.20	278
	Nov 2019	39	1	67	0	67	6493.23	250
	Dec 2019	32	1	69	0	69	6487.54	212
	Jan 2020	30	1	69	0	69	6481.04	173
	Feb 2020	28	1	65	0	65	6473.60	135
	Mar 2020	53	0	71	0	71	6469.38	117
	Apr 2020	85	1	77	0	77	6471.13	124
	May 2020	164	1	99	18	117	6480.50	170
	Jun 2020	299	2	102	70	173	6499.37	294
	Jul 2020	178	3	102	39	141	6503.72	328
	Aug 2020	77	2	98	0	98	6500.60	303
	Sep 2020	46	2	20	40	60	6498.55	288
	WY 2020	**1073**	**15**	**908**	**168**	**1076**		
	Oct 2020	49	1	55	0	55	6497.47	280
	Nov 2020	42	1	54	0	54	6495.79	268
	Dec 2020	32	1	55	0	55	6492.36	244

* 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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January 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)
*	Jan 2018	52	90	2	175	0	175	131	6027.65	3259	208
H	Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
I	Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
S	Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
T	May 2018	422	290	8	163	6	169	133	6028.57	3294	572
O	Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
R	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
I	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
C	Sep 2018	17	52	11	119	0	119	136	6030.75	3378	132
	WY 2018	**1594**	**1580**	**82**	**1608**	**7**	**1616**				**2638**
A	Oct 2018	54	77	7	99	0	99	135	6030.03	3350	131
L	Nov 2018	40	61	4	93	0	93	133	6029.15	3316	121
*	Dec 2018	29	60	2	124	0	124	131	6027.49	3253	153
	Jan 2019	34	67	2	123	0	123	129	6026.02	3198	139
	Feb 2019	36	66	2	111	0	111	127	6024.79	3152	129
	Mar 2019	80	83	3	55	0	55	128	6025.43	3176	110
	Apr 2019	95	80	5	48	0	48	129	6026.14	3202	188
	May 2019	145	93	8	49	0	49	130	6027.06	3237	459
	Jun 2019	250	132	10	136	0	136	130	6026.67	3222	566
	Jul 2019	140	99	13	74	0	74	130	6026.97	3234	144
	Aug 2019	65	63	12	92	0	92	129	6025.91	3194	112
	Sep 2019	40	68	11	89	0	89	127	6025.09	3163	101
	WY 2019	**1008**	**950**	**79**	**1094**	**0**	**1094**				**2355**
	Oct 2019	48	75	7	55	0	55	128	6025.41	3175	80
	Nov 2019	46	74	3	54	0	54	128	6025.86	3192	81
	Dec 2019	35	72	2	98	0	98	127	6025.13	3165	124
	Jan 2020	40	79	2	98	0	98	127	6024.58	3145	123
	Feb 2020	45	82	2	92	0	92	126	6024.26	3133	120
	Mar 2020	102	120	3	80	0	80	128	6025.23	3169	157
	Apr 2020	134	125	5	77	0	77	129	6026.35	3210	293
	May 2020	245	198	8	120	0	120	132	6028.15	3278	652
	Jun 2020	390	263	10	244	0	244	132	6028.38	3287	664
	Jul 2020	210	174	14	123	0	123	134	6029.32	3323	223
	Aug 2020	89	111	13	123	0	123	133	6028.69	3299	148
	Sep 2020	55	69	11	119	0	119	130	6027.13	3240	138
	WY 2020	**1439**	**1442**	**79**	**1284**	**0**	**1284**				**2802**
	Oct 2020	59	66	7	92	0	92	129	6026.27	3207	125
	Nov 2020	51	63	3	89	0	89	128	6025.49	3178	121
	Dec 2020	35	58	2	117	0	117	126	6023.92	3120	142

* 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)
*	Jan 2018	4	6	9312.64	74
H	Feb 2018	4	6	9311.50	72
I	Mar 2018	5	6	9310.51	71
S	Apr 2018	8	7	9311.18	72
T	May 2018	24	12	9318.33	84
O	Jun 2018	13	15	9317.29	82
R	Jul 2018	5	14	9311.71	73
I	Aug 2018	3	13	9305.51	63
C	Sep 2018	3	8	9301.71	58
	WY 2018	**88**	**108**		
A	Oct 2018	5	3	9302.60	59
L	Nov 2018	3	3	9302.61	59
*	Dec 2018	4	3	9302.74	59
	Jan 2019	3	3	9302.67	59
	Feb 2019	2	3	9302.10	58
	Mar 2019	2	3	9301.32	57
	Apr 2019	6	3	9303.44	60
	May 2019	21	10	9310.67	71
	Jun 2019	35	15	9322.18	91
	Jul 2019	13	18	9319.46	86
	Aug 2019	8	15	9315.49	79
	Sep 2019	6	13	9311.29	72
	WY 2019	**108**	**93**		
	Oct 2019	6	6	9311.18	72
	Nov 2019	5	5	9311.02	72
	Dec 2019	5	5	9310.70	71
	Jan 2020	4	5	9310.17	70
	Feb 2020	4	5	9309.47	69
	Mar 2020	4	8	9307.18	66
	Apr 2020	9	8	9307.68	66
	May 2020	28	30	9306.55	65
	Jun 2020	42	30	9313.90	76
	Jul 2020	20	10	9319.70	86
	Aug 2020	10	8	9320.96	89
	Sep 2020	7	8	9320.62	88
	WY 2020	**144**	**128**		
	Oct 2020	7	6	9320.98	89
	Nov 2020	5	5	9321.04	89
	Dec 2020	5	5	9320.86	89

* 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)
*	Jan 2018	20	22	0	60	0	60	7486.51	554
H	Feb 2018	23	25	0	32	0	32	7485.54	547
I	Mar 2018	28	29	0	43	0	43	7483.73	534
S	Apr 2018	48	47	1	82	0	82	7478.94	498
T	May 2018	112	100	1	85	0	85	7480.90	513
O	Jun 2018	56	57	1	98	0	98	7475.06	471
R	Jul 2018	21	31	1	101	0	101	7464.43	399
I	Aug 2018	19	28	1	93	0	93	7453.77	334
C	Sep 2018	12	17	1	30	39	68	7444.44	282
	WY 2018	**433**	**453**	**7**	**856**	**39**	**895**		
A	Oct 2018	23	22	0	46	11	56	7437.59	248
L	Nov 2018	22	21	0	19	0	19	7438.08	250
*	Dec 2018	20	19	0	21	0	21	7437.82	249
	Jan 2019	16	16	0	17	0	17	7437.68	248
	Feb 2019	14	15	0	15	0	15	7437.52	247
	Mar 2019	25	26	0	19	0	19	7438.99	255
	Apr 2019	52	49	0	42	0	42	7440.36	261
	May 2019	144	133	1	100	0	100	7446.62	294
	Jun 2019	220	200	1	37	0	37	7472.90	456
	Jul 2019	84	89	1	68	0	68	7475.68	475
	Aug 2019	44	51	1	76	0	76	7471.89	449
	Sep 2019	35	42	1	66	0	66	7468.15	423
	WY 2019	**698**	**684**	**6**	**526**	**11**	**536**		
	Oct 2019	36	36	0	42	0	42	7467.28	418
	Nov 2019	30	31	0	13	0	13	7469.95	435
	Dec 2019	26	26	0	14	0	14	7471.79	448
	Jan 2020	24	25	0	13	0	13	7473.48	460
	Feb 2020	22	23	0	13	0	13	7475.02	470
	Mar 2020	36	40	0	0	14	14	7478.52	495
	Apr 2020	77	76	1	0	35	35	7484.08	536
	May 2020	221	223	1	6	189	195	7487.56	562
	Jun 2020	261	249	1	24	0	24	7514.62	786
	Jul 2020	117	107	2	90	0	90	7516.31	802
	Aug 2020	63	61	1	99	0	99	7511.91	763
	Sep 2020	38	39	1	98	0	98	7504.86	702
	WY 2020	**952**	**936**	**8**	**411**	**238**	**649**		
	Oct 2020	38	38	1	65	0	65	7501.55	674
	Nov 2020	31	31	0	36	0	36	7500.91	669
	Dec 2020	26	26	0	47	0	47	7498.28	647

* 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

January 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)
*	Jan 2018	22	60	2	62	62	0	63	7150.65	110
H	Feb 2018	24	32	1	33	34	0	34	7149.19	108
I	Mar 2018	29	43	1	44	49	0	49	7143.05	104
S	Apr 2018	54	82	6	87	79	0	79	7154.30	112
T	May 2018	121	85	8	94	94	0	94	7153.76	112
O	Jun 2018	57	98	2	99	99	0	99	7154.16	112
R	Jul 2018	22	101	1	102	101	0	101	7155.49	113
I	Aug 2018	19	93	0	93	94	0	94	7153.96	112
C	Sep 2018	14	68	2	70	84	0	84	7135.77	98
	WY 2018	**460**	**895**	**27**	**922**	**935**	**0**	**937**		
A	Oct 2018	24	56	1	57	56	0	56	7136.92	99
L	Nov 2018	23	19	1	20	13	0	15	7143.47	104
*	Dec 2018	21	21	1	22	18	0	18	7147.95	107
	Jan 2019	17	17	1	18	13	0	13	7153.73	112
	Feb 2019	15	15	1	16	16	0	16	7153.73	112
	Mar 2019	27	19	2	21	21	0	21	7153.73	112
	Apr 2019	59	42	7	49	49	0	49	7153.73	112
	May 2019	162	100	18	118	118	0	118	7153.73	112
	Jun 2019	235	37	15	52	52	0	52	7153.73	112
	Jul 2019	89	68	5	73	73	0	73	7153.73	112
	Aug 2019	47	76	3	79	79	0	79	7153.73	112
	Sep 2019	38	66	3	69	69	0	69	7153.73	112
	WY 2019	**757**	**536**	**59**	**595**	**579**	**0**	**581**		
	Oct 2019	39	42	3	44	44	0	44	7153.73	112
	Nov 2019	33	13	2	15	15	0	15	7153.73	112
	Dec 2019	28	14	2	16	16	0	16	7153.73	112
	Jan 2020	27	13	2	16	16	0	16	7153.73	112
	Feb 2020	25	13	3	15	15	0	15	7153.73	112
	Mar 2020	40	14	4	18	18	0	18	7153.73	112
	Apr 2020	88	35	11	46	46	0	46	7153.73	112
	May 2020	247	195	26	221	221	0	221	7153.73	112
	Jun 2020	281	24	20	44	44	0	44	7153.73	112
	Jul 2020	123	90	6	96	96	0	96	7153.73	112
	Aug 2020	67	99	3	103	103	0	103	7153.73	112
	Sep 2020	41	98	3	101	101	0	101	7153.73	112
	WY 2020	**1038**	**649**	**85**	**735**	**735**	**0**	**735**		
	Oct 2020	41	65	3	67	67	0	67	7153.73	112
	Nov 2020	33	36	2	38	38	0	38	7153.73	112
	Dec 2020	28	47	2	49	49	0	49	7153.73	112

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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January 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)
*	Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	65
H	Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	34
I	Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	38
S	Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
T	May 2018	129	94	9	102	102	0	102	6749.41	16	62	39
O	Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
R	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
I	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
C	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**
A	Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
L	Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
*	Dec 2018	25	18	4	22	21	0	22	6745.32	15	0	20
	Jan 2019	21	13	4	17	15	0	15	6753.04	17	0	15
	Feb 2019	18	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2019	31	21	4	25	25	0	25	6753.04	17	5	20
	Apr 2019	68	49	9	58	58	0	58	6753.04	17	42	16
	May 2019	184	118	22	140	134	6	140	6753.04	17	62	78
	Jun 2019	260	52	25	77	77	0	77	6753.04	17	61	16
	Jul 2019	98	73	9	82	82	0	82	6753.04	17	65	17
	Aug 2019	50	79	3	82	82	0	82	6753.04	17	65	17
	Sep 2019	42	69	4	73	73	0	73	6753.04	17	55	18
	WY 2019	**850**	**581**	**93**	**675**	**664**	**7**	**670**			**389**	**280**
	Oct 2019	44	44	5	49	49	0	49	6753.04	17	30	19
	Nov 2019	37	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2019	32	16	5	20	20	0	20	6753.04	17	0	20
	Jan 2020	31	16	5	20	20	0	20	6753.04	17	0	20
	Feb 2020	29	15	4	19	0	19	19	6753.04	17	0	19
	Mar 2020	46	18	6	25	25	0	25	6753.04	17	5	20
	Apr 2020	101	46	12	58	58	0	58	6753.04	17	42	16
	May 2020	281	221	34	256	134	121	256	6753.04	17	62	194
	Jun 2020	315	44	34	78	78	0	78	6753.04	17	61	17
	Jul 2020	138	96	14	111	111	0	111	6753.04	17	65	46
	Aug 2020	75	103	8	111	111	0	111	6753.04	17	65	46
	Sep 2020	47	101	6	107	107	0	107	6753.04	17	55	52
	WY 2020	**1175**	**735**	**138**	**873**	**732**	**140**	**873**			**385**	**488**
	Oct 2020	47	67	6	73	73	0	73	6753.04	17	30	43
	Nov 2020	38	38	5	43	43	0	43	6753.04	17	0	43
	Dec 2020	32	49	5	54	54	0	54	6753.04	17	0	54

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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Managing Water in the West

January 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)
*	Jan 2018	3	0	7641.42	67
H	Feb 2018	3	0	7642.57	70
I	Mar 2018	4	0	7644.11	73
S	Apr 2018	15	3	7649.29	85
T	May 2018	30	31	7648.91	84
O	Jun 2018	14	35	7639.22	63
R	Jul 2018	8	35	7624.15	35
I	Aug 2018	5	19	7613.87	22
C	Sep 2018	3	4	7613.06	21
	WY 2018	**102**	**153**		
A	Oct 2018	9	3	7617.56	26
L	Nov 2018	5	0	7621.25	31
*	Dec 2018	3	0	7623.31	34
	Jan 2019	3	0	7625.00	36
	Feb 2019	2	0	7626.01	38
	Mar 2019	4	0	7628.12	41
	Apr 2019	13	0	7634.91	54
	May 2019	42	30	7640.71	66
	Jun 2019	52	41	7645.28	76
	Jul 2019	18	40	7634.55	53
	Aug 2019	13	37	7619.93	29
	Sep 2019	12	29	7603.66	12
	WY 2019	**176**	**182**		
	Oct 2019	12	16	7599.27	9
	Nov 2019	8	2	7606.24	14
	Dec 2019	6	2	7610.94	18
	Jan 2020	5	2	7614.18	22
	Feb 2020	5	2	7616.68	25
	Mar 2020	9	2	7621.74	32
	Apr 2020	23	2	7634.36	53
	May 2020	71	31	7652.34	93
	Jun 2020	70	43	7662.90	120
	Jul 2020	29	41	7657.92	107
	Aug 2020	20	38	7650.57	88
	Sep 2020	17	29	7645.42	76
	WY 2020	**277**	**209**		
	Oct 2020	16	16	7644.97	75
	Nov 2020	9	2	7647.66	81
	Dec 2020	6	2	7649.52	86

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January 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)
*	Jan 2018	12	0	9	1	0	23	6052.47	1255	40
H	Feb 2018	13	0	11	1	1	17	6051.73	1246	33
I	Mar 2018	24	2	19	2	6	21	6050.92	1236	30
S	Apr 2018	70	13	46	2	20	38	6049.73	1222	42
T	May 2018	88	16	71	3	36	32	6049.80	1223	69
O	Jun 2018	6	3	24	4	42	42	6044.23	1159	49
R	Jul 2018	-9	0	18	4	42	51	6036.94	1080	53
I	Aug 2018	-7	0	7	3	42	51	6028.27	991	48
C	Sep 2018	2	0	3	2	27	46	6020.80	919	42
	WY 2018	**268**	**36**	**283**	**24**	**224**	**405**			**540**
A	Oct 2018	23	1	17	1	7	31	6018.35	897	40
L	Nov 2018	15	0	10	1	0	18	6017.43	888	34
*	Dec 2018	13	0	9	0	0	18	6016.39	879	29
	Jan 2019	13	0	10	0	0	21	6015.20	868	28
	Feb 2019	15	0	13	1	0	16	6014.80	864	22
	Mar 2019	38	0	34	1	5	16	6016.13	876	27
	Apr 2019	70	1	56	2	21	17	6017.98	893	42
	May 2019	145	5	127	3	36	45	6022.69	937	137
	Jun 2019	120	17	93	3	52	30	6023.46	944	143
	Jul 2019	35	13	44	3	57	24	6019.23	905	69
	Aug 2019	38	1	61	3	48	28	6017.30	887	53
	Sep 2019	30	1	46	2	26	22	6016.82	883	44
	WY 2019	**555**	**40**	**521**	**20**	**251**	**287**			**668**
	Oct 2019	37	1	40	1	10	22	6017.59	890	44
	Nov 2019	30	1	24	1	0	21	6017.86	892	37
	Dec 2019	25	0	20	0	0	22	6017.69	890	37
	Jan 2020	22	0	18	0	0	22	6017.29	887	35
	Feb 2020	30	0	27	1	0	20	6017.98	893	33
	Mar 2020	92	0	85	1	6	22	6024.06	950	44
	Apr 2020	170	9	140	2	22	21	6033.68	1046	73
	May 2020	277	21	216	3	36	22	6047.92	1201	168
	Jun 2020	224	37	159	4	53	21	6054.80	1283	172
	Jul 2020	66	29	50	4	57	22	6052.08	1250	89
	Aug 2020	45	5	58	3	48	22	6050.79	1235	61
	Sep 2020	43	2	53	3	26	21	6051.10	1239	53
	WY 2020	**1062**	**104**	**891**	**24**	**257**	**255**			**845**
	Oct 2020	47	2	46	2	0	22	6053.00	1261	50
	Nov 2020	34	2	25	1	0	21	6053.30	1265	39
	Dec 2020	25	0	20	1	0	22	6053.14	1263	37

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January 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)
*	Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	861
H	Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	750
I	Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	835
S	Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
T	May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
O	Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
R	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
I	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
C	Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
	WY 2018	**4612**	**5459**	**386**	**9000**	**0**	**9000**				**9158**
A	Oct 2018	351	477	30	625	0	625	3590.46	4923	10862	650
L	Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	668
*	Dec 2018	228	322	22	740	0	740	3581.85	4862	10099	741
	Jan 2019	235	326	7	806	0	806	3576.56	4826	9648	817
	Feb 2019	260	338	7	740	0	740	3571.99	4795	9269	744
	Mar 2019	415	367	11	750	0	750	3567.47	4766	8904	755
	Apr 2019	590	501	18	630	0	630	3565.76	4755	8768	638
	May 2019	1200	1001	21	630	0	630	3569.82	4781	9093	636
	Jun 2019	2000	1683	35	735	0	735	3579.98	4849	9938	743
	Jul 2019	760	738	43	800	0	800	3578.84	4841	9840	819
	Aug 2019	370	469	42	900	0	900	3573.60	4806	9402	918
	Sep 2019	320	420	38	606	0	606	3571.07	4789	9194	617
	WY 2019	**6983**	**6948**	**303**	**8548**	**77**	**8625**				**8746**
	Oct 2019	438	446	26	480	0	480	3570.39	4785	9138	486
	Nov 2019	439	420	25	500	0	500	3569.18	4777	9041	500
	Dec 2019	363	411	20	600	0	600	3566.75	4761	8847	605
	Jan 2020	361	408	6	720	0	720	3562.99	4738	8552	731
	Feb 2020	393	421	6	640	0	640	3560.27	4721	8344	644
	Mar 2020	665	556	10	675	0	675	3558.69	4712	8224	680
	Apr 2020	1056	838	17	600	0	600	3561.39	4728	8429	608
	May 2020	2343	1994	21	600	0	600	3577.18	4830	9700	606
	Jun 2020	2666	2170	38	630	0	630	3592.96	4941	11091	638
	Jul 2020	1091	1018	48	710	0	710	3595.56	4960	11331	729
	Aug 2020	500	600	48	760	0	760	3593.47	4945	11138	778
	Sep 2020	408	538	44	565	0	565	3592.76	4939	11072	576
	WY 2020	**10723**	**9818**	**310**	**7480**	**0**	**7480**				**7580**
	Oct 2020	512	548	31	640	0	640	3591.52	4930	10959	646
	Nov 2020	473	505	29	640	0	640	3589.85	4918	10807	640
	Dec 2020	363	463	23	720	0	720	3586.96	4897	10547	725

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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)
*	Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
H	Feb 2018	730	60	28	687	12.4	10	693	696	1088.21	10703
I	Mar 2018	800	70	32	833	13.5	14	832	695	1088.11	10694
S	Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
T	May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
O	Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
R	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
I	Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
C	Sep 2018	670	84	58	725	12.2	24	723	642	1078.29	9870
	WY 2018	**9000**	**690**	**541**	**9240**		**241**	**9237**			
A	Oct 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
L	Nov 2018	662	67	42	690	11.6	15	689	642	1078.32	9872
*	Dec 2018	740	52	36	468	7.6	11	467	659	1081.46	10132
	Jan 2019	806	78	30	505	8.2	11	505	679	1085.24	10450
	Feb 2019	740	93	28	720	13.0	10	720	684	1086.06	10520
	Mar 2019	750	56	31	984	16.0	20	984	670	1083.52	10305
	Apr 2019	630	48	38	1065	17.9	24	1065	642	1078.45	9883
	May 2019	630	31	43	1005	16.3	33	1005	617	1073.60	9488
	Jun 2019	735	12	51	930	15.6	33	930	600	1070.46	9236
	Jul 2019	800	81	64	853	13.9	36	853	596	1069.62	9169
	Aug 2019	900	112	68	783	12.7	33	783	604	1071.13	9290
	Sep 2019	606	105	56	731	12.3	26	731	598	1069.93	9194
	WY 2019	**8625**	**836**	**530**	**9374**		**277**	**9366**			
	Oct 2019	480	69	40	488	7.9	28	488	597	1069.84	9187
	Nov 2019	500	61	40	651	10.9	20	651	588	1068.06	9046
	Dec 2019	600	50	35	631	10.3	16	631	586	1067.68	9016
	Jan 2020	720	78	28	566	9.2	14	566	598	1069.94	9195
	Feb 2020	640	93	26	650	11.3	17	650	600	1070.41	9232
	Mar 2020	675	56	29	946	15.4	22	946	584	1067.26	8983
	Apr 2020	600	48	36	1018	17.1	25	1018	558	1062.04	8579
	May 2020	600	31	40	970	15.8	31	970	533	1056.97	8195
	Jun 2020	630	12	47	966	16.2	31	966	508	1051.85	7817
	Jul 2020	710	81	58	841	13.7	31	841	500	1050.05	7687
	Aug 2020	760	112	61	774	12.6	28	774	500	1050.16	7695
	Sep 2020	565	105	50	700	11.8	25	700	494	1048.79	7595
	WY 2020	**7480**	**796**	**492**	**9201**		**286**	**9201**			
	Oct 2020	640	69	37	475	7.7	25	475	504	1051.02	7757
	Nov 2020	640	61	37	588	9.9	17	588	508	1051.77	7812
	Dec 2020	720	50	32	553	9.0	14	553	518	1053.96	7971

* 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

January 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)
*	Jan 2018	449	2	10	437	0	437	7.1	640.86	1641
H	Feb 2018	687	-4	10	611	0	611	11.0	643.18	1704
I	Mar 2018	833	-1	13	836	0	836	13.6	642.57	1687
S	Apr 2018	1015	-3	17	1001	0	1001	16.8	642.40	1682
T	May 2018	1055	-11	22	1001	0	1001	16.3	643.17	1703
O	Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
R	Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
I	Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
C	Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
	WY 2018	**9240**	**-103**	**198**	**8981**	**0**	**8981**			
A	Oct 2018	641	-11	15	635	0	635	10.3	637.08	1540
L	Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
*	Dec 2018	468	-14	9	375	0	386	6.3	640.79	1639
	Jan 2019	505	-19	10	449	0	449	7.3	641.80	1666
	Feb 2019	720	-15	10	690	0	690	12.4	642.00	1671
	Mar 2019	984	-17	13	925	0	925	15.0	643.05	1700
	Apr 2019	1065	-20	17	1030	0	1030	17.3	643.00	1699
	May 2019	1005	-12	22	971	0	971	15.8	643.00	1699
	Jun 2019	930	-15	25	890	0	890	15.0	643.00	1699
	Jul 2019	853	-15	25	839	0	839	13.7	642.00	1671
	Aug 2019	783	-12	23	748	0	748	12.2	642.00	1671
	Sep 2019	731	-12	18	754	0	754	12.7	640.01	1617
	WY 2019	**9374**	**-192**	**198**	**8916**	**0**	**8927**			
	Oct 2019	488	-4	15	653	0	653	10.6	633.00	1434
	Nov 2019	651	-12	10	577	0	577	9.7	635.00	1486
	Dec 2019	631	-12	9	512	0	512	8.3	638.71	1583
	Jan 2020	566	-19	10	454	0	454	7.4	641.80	1666
	Feb 2020	650	-15	10	625	0	625	10.9	641.80	1666
	Mar 2020	946	-17	13	881	0	881	14.3	643.05	1700
	Apr 2020	1018	-20	17	982	0	982	16.5	643.00	1699
	May 2020	970	-12	22	935	0	935	15.2	643.00	1699
	Jun 2020	966	-15	25	926	0	926	15.6	643.00	1699
	Jul 2020	841	-15	25	828	0	828	13.5	642.00	1671
	Aug 2020	774	-12	23	740	0	740	12.0	642.00	1671
	Sep 2020	700	-12	18	723	0	723	12.2	640.01	1617
	WY 2020	**9201**	**-166**	**197**	**8837**	**0**	**8837**			
	Oct 2020	475	-4	15	640	0	640	10.4	633.00	1434
	Nov 2020	588	-12	10	514	0	514	8.6	635.00	1486
	Dec 2020	553	-12	9	435	0	435	7.1	638.71	1583

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 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)
*	Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
H	Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
I	Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
S	Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
T	May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
O	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	136	2.3
R	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
I	Aug 2018	730	22	17	611	9.9	99	22	447.53	571	104	1.7
C	Sep 2018	814	9	15	512	8.6	95	164	448.95	598	94	1.6
	WY 2018	**8981**	**100**	**139**	**6479**		**910**	**1431**			**1504**	
A	Oct 2018	635	22	12	394	6.4	86	176	448.12	582	68	1.1
L	Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
*	Dec 2018	386	27	7	218	3.5	70	143	446.53	552	105	1.7
	Jan 2019	449	21	6	286	4.7	85	88	446.50	552	125	2.0
	Feb 2019	690	11	8	437	7.9	77	164	447.00	561	152	2.7
	Mar 2019	925	7	9	718	11.7	22	180	446.70	555	192	3.1
	Apr 2019	1030	16	11	734	12.3	78	175	448.70	593	178	3.0
	May 2019	971	15	13	698	11.4	81	181	448.70	593	119	1.9
	Jun 2019	890	13	16	722	12.1	78	73	448.70	593	127	2.1
	Jul 2019	839	21	17	688	11.2	81	75	448.00	580	135	2.2
	Aug 2019	748	23	17	596	9.7	81	75	447.50	571	104	1.7
	Sep 2019	754	17	15	520	8.7	78	148	447.50	571	96	1.6
	WY 2019	**8927**	**208**	**140**	**6368**		**901**	**1651**			**1497**	
	Oct 2019	653	23	12	480	7.8	35	143	447.50	571	65	1.1
	Nov 2019	577	16	9	364	6.1	91	123	447.50	571	99	1.7
	Dec 2019	512	18	7	319	5.2	93	127	446.50	552	109	1.8
	Jan 2020	454	21	6	261	4.2	98	106	446.50	552	121	2.0
	Feb 2020	625	11	8	433	7.5	90	100	446.50	552	147	2.6
	Mar 2020	881	7	9	707	11.5	35	124	446.70	555	185	3.0
	Apr 2020	982	16	11	724	12.2	91	124	448.70	593	171	2.9
	May 2020	935	15	13	693	11.3	94	137	448.70	593	115	1.9
	Jun 2020	926	13	16	718	12.1	91	100	448.70	593	124	2.1
	Jul 2020	828	21	17	675	11.0	94	62	448.00	580	131	2.1
	Aug 2020	740	23	17	593	9.6	94	56	447.50	571	101	1.6
	Sep 2020	723	17	15	512	8.6	91	112	447.50	571	93	1.6
	WY 2020	**8837**	**200**	**139**	**6479**		**998**	**1313**			**1460**	
	Oct 2020	640	23	12	485	7.9	48	112	447.50	571	63	1.0
	Nov 2020	514	16	9	357	6.0	47	112	447.50	571	95	1.6
	Dec 2020	435	18	7	314	5.1	48	100	446.50	552	105	1.7

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 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
*	Jan 2018	449	7.3	1087.50	10642	421	442.14	834.0	176.5	51	392.9
H	Feb 2018	687	12.4	1088.21	10703	61	441.97	1220.1	275.0	75	400.3
I	Mar 2018	833	13.5	1088.11	10694	-9	442.23	1005.9	333.9	62	400.8
S	Apr 2018	1015	17.1	1084.49	10387	-308	437.15	880.9	406.2	55	400.0
T	May 2018	1055	17.1	1080.00	10011	-376	432.39	1385.9	412.1	88	390.8
O	Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
R	Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
I	Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
C	Sep 2018	725	12.2	1078.29	9870	-49	434.15	1562.0	278.7	100	384.7
	WY 2018	**9240**							**3614.3**		
A	Oct 2018	641	10.4	1078.52	9889	19	435.29	1406.1	247.8	87	386.7
L	Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
*	Dec 2018	453	7.6	1081.46	10132	260	438.59	959.9	179.6	61	396.6
	Jan 2019	505	8.2	1085.24	10450	318	434.94	1006.1	199.8	63	395.9
	Feb 2019	720	13.0	1086.06	10520	70	436.12	1119.0	288.5	70	400.5
	Mar 2019	984	16.0	1083.52	10305	-215	435.50	1010.0	393.9	63	400.3
	Apr 2019	1065	17.9	1078.45	9883	-422	431.49	970.9	429.9	63	403.7
	May 2019	1005	16.3	1073.60	9488	-395	426.57	957.0	395.9	63	393.9
	Jun 2019	930	15.6	1070.46	9236	-252	418.63	1512.0	352.9	100	379.3
	Jul 2019	853	13.9	1069.62	9169	-67	416.98	1499.0	324.8	100	380.8
	Aug 2019	783	12.7	1071.13	9290	121	417.64	1512.0	296.1	100	378.3
	Sep 2019	731	12.3	1069.93	9194	-96	418.44	1512.0	276.0	100	377.6
	WY 2019	**9359**							**3651.3**		
	Oct 2019	488	7.9	1069.84	9187	-7	421.37	1316.0	186.2	88	381.3
	Nov 2019	651	10.9	1068.06	9046	-141	423.49	1208.9	247.0	81	379.5
	Dec 2019	631	10.3	1067.68	9016	-29	421.12	1129.9	240.4	75	381.2
	Jan 2020	566	9.2	1069.94	9195	179	420.43	1046.0	213.1	70	376.8
	Feb 2020	650	11.3	1070.41	9232	37	420.92	1035.0	247.8	68	381.1
	Mar 2020	946	15.4	1067.26	8983	-249	417.88	1180.0	360.7	81	381.4
	Apr 2020	1018	17.1	1062.04	8579	-404	413.60	1115.0	384.0	78	377.3
	May 2020	970	15.8	1056.97	8195	-384	406.23	1392.0	356.5	100	367.7
	Jun 2020	966	16.2	1051.85	7817	-378	401.18	1382.4	345.3	100	357.4
	Jul 2020	841	13.7	1050.05	7687	-130	398.09	1372.2	304.4	100	361.9
	Aug 2020	774	12.6	1050.16	7695	8	397.58	1372.9	277.9	100	358.8
	Sep 2020	700	11.8	1048.79	7595	-99	397.59	1365.0	249.6	100	356.5
	WY 2020	**9201**							**3413.0**		
	Oct 2020	475	7.7	1051.02	7757	161	401.56	1209.7	173.0	88	363.9
	Nov 2020	588	9.9	1051.77	7812	55	406.08	1114.9	215.2	81	365.7
	Dec 2020	553	9.0	1053.96	7971	160	406.22	1051.3	200.8	75	362.8

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 2019 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jan 2018	437	7.1	640.86	1641	5	141.78	159.6	55.0	63	125.9
H	Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
I	Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
S	Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
T	May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
O	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
R	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
I	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
C	Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
	WY 2018	**8981**							**1126.3**		
A	Oct 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
L	Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
*	Dec 2018	375	6.3	640.79	1639	58	140.00	153.0	47.3	60	126.1
	Jan 2019	449	7.3	641.80	1666	27	140.61	159.6	56.8	63	126.5
	Feb 2019	690	12.4	642.00	1671	5	139.08	153.0	86.4	60	125.1
	Mar 2019	925	15.0	643.05	1700	29	138.76	189.2	115.4	74	124.8
	Apr 2019	1030	17.3	643.00	1699	-1	138.51	207.4	128.3	81	124.6
	May 2019	971	15.8	643.00	1699	0	138.98	204.0	121.4	80	125.0
	Jun 2019	890	15.0	643.00	1699	0	139.27	255.0	111.5	100	125.3
	Jul 2019	839	13.7	642.00	1671	-27	139.23	255.0	105.2	100	125.3
	Aug 2019	748	12.2	642.00	1671	0	139.28	255.0	93.7	100	125.3
	Sep 2019	754	12.7	640.01	1617	-54	138.09	255.0	93.7	100	124.2
	WY 2019	**8916**							**1115.7**		
	Oct 2019	653	10.6	633.00	1434	-183	134.39	174.4	78.9	68	120.9
	Nov 2019	577	9.7	635.00	1486	51	132.27	158.1	68.6	62	119.0
	Dec 2019	512	8.3	638.71	1583	97	135.71	153.0	62.6	60	122.1
	Jan 2020	454	7.4	641.80	1666	83	139.53	141.5	57.0	55	125.5
	Feb 2020	625	10.9	641.80	1666	0	139.59	207.6	78.5	81	125.6
	Mar 2020	881	14.3	643.05	1700	34	138.92	207.3	110.1	81	125.0
	Apr 2020	982	16.5	643.00	1699	-1	138.76	234.6	122.6	92	124.8
	May 2020	935	15.2	643.00	1699	0	139.18	255.0	117.1	100	125.2
	Jun 2020	926	15.6	643.00	1699	0	139.06	255.0	115.8	100	125.1
	Jul 2020	828	13.5	642.00	1671	-27	139.30	255.0	103.7	100	125.3
	Aug 2020	740	12.0	642.00	1671	0	139.33	255.0	92.7	100	125.4
	Sep 2020	723	12.2	640.01	1617	-54	138.29	255.0	90.0	100	124.4
	WY 2020	**8837**							**1097.7**		
	Oct 2020	640	10.4	633.00	1434	-183	134.48	185.9	77.4	73	121.0
	Nov 2020	514	8.6	635.00	1486	51	132.72	153.0	61.4	60	119.4
	Dec 2020	435	7.1	638.71	1583	97	136.27	200.7	53.4	79	122.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 2019 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
H	Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
I	Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
S	Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
T	May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
O	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
R	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
I	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
C	Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
	WY 2018	**6479**							**451.7**		
A	Oct 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
L	Nov 2018	350	6.0	447.99	580	-3	82.25	93.0	26.1	78	74.4
*	Dec 2018	218	3.5	446.53	552	-27	81.03	116.1	12.9	97	59.1
	Jan 2019	286	4.7	446.50	552	0	74.05	117.1	17.9	98	62.4
	Feb 2019	437	7.9	447.00	561	9	75.45	92.1	28.6	77	65.4
	Mar 2019	718	11.7	446.70	555	-6	74.93	104.5	47.2	87	65.8
	Apr 2019	734	12.3	448.70	593	38	75.08	120.0	48.3	100	65.9
	May 2019	698	11.4	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jun 2019	722	12.1	448.70	593	0	76.05	120.0	48.1	100	66.6
	Jul 2019	688	11.2	448.00	580	-13	75.71	120.0	45.5	100	66.2
	Aug 2019	596	9.7	447.50	571	-9	75.13	120.0	39.0	100	65.4
	Sep 2019	520	8.7	447.50	571	0	74.89	120.0	33.8	100	65.0
	WY 2019	**6361**							**421.8**		
	Oct 2019	480	7.8	447.50	571	0	76.29	90.0	31.7	75	66.0
	Nov 2019	364	6.1	447.50	571	0	76.14	93.0	23.7	78	65.0
	Dec 2019	319	5.2	446.50	552	-19	74.56	116.1	20.2	97	63.2
	Jan 2020	261	4.2	446.50	552	0	75.27	91.0	16.4	76	62.9
	Feb 2020	433	7.5	446.50	552	0	75.21	92.1	28.2	77	65.1
	Mar 2020	707	11.5	446.70	555	4	74.05	119.0	46.0	99	65.0
	Apr 2020	724	12.2	448.70	593	38	75.08	120.0	47.7	100	65.9
	May 2020	693	11.3	448.70	593	0	76.05	120.0	46.1	100	66.5
	Jun 2020	718	12.1	448.70	593	0	76.05	120.0	47.8	100	66.6
	Jul 2020	675	11.0	448.00	580	-13	75.71	120.0	44.7	100	66.1
	Aug 2020	593	9.6	447.50	571	-9	75.13	120.0	38.8	100	65.4
	Sep 2020	512	8.6	447.50	571	0	74.89	120.0	33.3	100	65.0
	WY 2020	**6479**							**424.3**		
	Oct 2020	485	7.9	447.50	571	0	76.29	90.0	32.0	75	66.1
	Nov 2020	357	6.0	447.50	571	0	76.14	93.0	23.2	78	65.0
	Dec 2020	314	5.1	446.50	552	-19	74.65	114.2	19.8	95	63.2

* 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

January 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
*	Jan 2018	394	68	17	21	12	6
H	Feb 2018	335	60	9	12	3	5
I	Mar 2018	364	41	12	16	9	1
	Winter 2018	**2013**	**334**	**107**	**133**	**71**	**31**
S	Apr 2018	318	39	23	27	16	5
T	May 2018	318	63	23	33	20	7
O	Jun 2018	343	50	27	34	20	8
R	Jul 2018	384	48	27	36	20	8
I	Aug 2018	393	50	24	33	19	7
C	Sep 2018	288	47	8	29	16	1
	Summer 2018	**2045**	**297**	**133**	**193**	**111**	**36**
A	Oct 2018	268	39	11	19	9	4
L	Nov 2018	248	36	5	4	2	5
*	Dec 2018	313	47	5	6	2	5
	Jan 2019	305	45	4	5	3	5
	Feb 2019	277	41	4	6	3	4
	Mar 2019	278	20	5	7	4	3
	Winter 2019	**1688**	**227**	**33**	**47**	**23**	**24**
	Apr 2019	232	17	11	18	10	3
	May 2019	232	18	25	42	23	3
	Jun 2019	274	50	10	19	13	9
	Jul 2019	302	27	19	26	14	7
	Aug 2019	336	34	22	29	14	5
	Sep 2019	225	33	19	25	13	3
	Summer 2019	**1602**	**179**	**106**	**159**	**88**	**31**
	Oct 2019	178	20	12	16	9	6
	Nov 2019	184	20	3	5	3	6
	Dec 2019	221	36	4	6	4	6
	Jan 2020	263	36	4	6	4	5
	Feb 2020	231	34	4	5	0	5
	Mar 2020	243	29	0	7	4	5
	Winter 2020	**1320**	**174**	**26**	**45**	**23**	**33**
	Apr 2020	216	28	0	17	10	5
	May 2020	221	44	2	80	23	7
	Jun 2020	240	89	7	16	13	9
	Jul 2020	276	45	28	35	19	10
	Aug 2020	296	45	31	37	19	9
	Sep 2020	220	44	30	36	19	2
	Summer 2020	**1470**	**295**	**99**	**220**	**103**	**41**
	Oct 2020	249	34	20	24	13	5
	Nov 2020	247	33	11	14	7	5
	Dec 2020	277	43	14	18	9	5

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

January 2019 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****EFFECTIVE SPACE****										
Jan 2019	656	581	817	14223	16277	17245	33522	656	581	817	2054	14223	17245	33522	5350	505	0	27.0
Jan 2019	656	581	817	14223	16277	17245	33522	183	257	209	649	14223	17245	32117	5350	505	0	27.0
Feb 2019	745	581	828	14674	16829	16927	33756	272	258	219	749	14674	16927	32350	1500	720	0	26.6
Mar 2019	821	582	832	15053	17287	16857	34145	347	259	222	828	15053	16857	32739	1500	984	0	26.1
Apr 2019	800	575	820	15418	17613	17072	34685	322	253	204	779	15418	17072	33269	1500	1065	0	25.6
May 2019	760	568	803	15554	17684	17494	35178	275	243	164	682	15554	17494	33730	1500	1005	0	25.7
Jun 2019	674	536	759	15229	17198	17889	35087	179	198	82	460	15229	17889	33578	1500	930	0	26.6
Jul 2019	572	374	752	14384	16082	18141	34223	66	16	20	101	14384	18141	32626	1500	853	0	26.4
								****CREDITABLE SPACE****										
Aug 2019	523	355	791	14482	16151	18208	34359	523	355	791	1669	14482	18208	34359	1500	783	0	26.0
Sep 2019	564	381	809	14920	16674	18087	34761	564	381	809	1754	14920	18087	34761	2270	731	0	25.6
Oct 2019	624	406	813	15128	16972	18183	35155	624	406	813	1844	15128	18183	35155	3040	488	0	25.3
Nov 2019	640	412	806	15184	17042	18190	35232	640	412	806	1859	15184	18190	35232	3810	651	0	25.1
Dec 2019	652	394	804	15281	17131	18331	35463	652	394	804	1850	15281	18331	35463	4580	631	0	24.9
Jan 2020	717	382	806	15475	17379	18361	35740	717	382	806	1904	15475	18361	35740	5350	566	0	24.8
								****EFFECTIVE SPACE****										
Jan 2020	717	382	806	15475	17379	18361	35740	331	375	548	1254	15475	18361	35090	5350	566	0	24.8
Feb 2020	777	370	809	15770	17725	18182	35907	389	364	551	1304	15770	18182	35256	1500	650	0	24.6
Mar 2020	826	359	803	15978	17967	18145	36111	437	354	544	1335	15978	18145	35458	1500	946	0	24.4
Apr 2020	809	334	746	16098	17987	18394	36380	414	332	481	1227	16098	18394	35719	1500	1018	0	24.4
May 2020	760	293	650	15893	17596	18798	36394	358	290	361	1009	15893	18798	35700	1500	970	0	25.6
Jun 2020	646	267	495	14622	16030	19182	35212	233	264	166	664	14622	19182	34468	1500	966	0	27.1
Jul 2020	513	43	413	13231	14200	19560	33761	87	27	28	142	13231	19560	32934	1500	841	0	27.2
								****CREDITABLE SPACE****										
Aug 2020	444	28	446	12991	13908	19690	33598	444	28	446	917	12991	19690	33598	1500	774	0	26.9
Sep 2020	492	67	461	13184	14204	19682	33886	492	67	461	1020	13184	19682	33886	2270	700	0	26.5
Oct 2020	566	128	457	13250	14402	19782	34183	566	128	457	1151	13250	19782	34183	3040	475	0	26.4
Nov 2020	607	155	435	13363	14560	19620	34180	607	155	435	1197	13363	19620	34180	3810	588	0	26.3
Dec 2020	648	161	431	13515	14755	19565	34320	648	161	431	1239	13515	19565	34320	4580	553	0	26.1

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