

January 24-Month Study
Date: January 12, 2018

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 11, Midnight Elevation (feet)	January 11, Midnight Reservoir Storage (acre-feet)
Fontenelle	46,000	144	6,484.14	190,000
Flaming Gorge	52,000	150	6,029.05	3,312,000
Blue Mesa	25,000	102	7,489.45	577,000
Navajo	10,000	39	6,053.26	1,264,000
Powell	299,000	82	3,621.63	13,937,000

Expected Operations

The operation of Lake Powell and Lake Mead in this January 2018 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2018 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2017 24-Month Study projections of the January 1, 2018, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2018.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2018 will be governed by the Upper Elevation Balancing Tier, with an 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 2018. This January 2018 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 2018.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2018.

The Interim Guidelines are available for download at:

<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2018 AOP is available for download at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP18.pdf>

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6484 feet above sea level (feet), which amounts to 56 percent of live storage capacity. Inflows for the month of December totaled 46,000 acre-feet (af), or 144 percent of average. Releases have been set to 1,300 cubic feet per second (cfs) and are forecasted to remain at this level through the winter.

The Colorado Basin River Forecast Center has forecasted spring inflows that are above average. January, February, and March forecasted inflow volumes amount to 44,000 af (145 percent of average), 40,000 af (145 percent of average), and 60,000 af (114 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 17, 2018. The meeting will be held at Seedska-dee 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 2,800 cfs and expected to remain at this level through February, subject to hydrology.

Unregulated inflow into Flaming Gorge Reservoir during the month of December was 52,000 af, or 149 percent of average. The reservoir elevation is 6,029 feet (89 percent of live storage capacity) and decreasing.

The January final forecast for inflows for the next three months projects above average conditions: January, February and March forecasted inflow volumes at 59,000 af (146 percent of average), 57,000 af (128 percent of average), and 106,000 af (104 percent of average), respectively.

The January water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 1 million acre-feet (102 percent of average). Current snowpack is 97 percent of median for the Upper Green Basin. The Upper Green is doing well compared against the southern portion of the Upper Colorado River Basin.

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 next Flaming Gorge Working Group meeting on Thursday, March 8, 2018, at 7:00 p.m. at the Lighthouse Learning Center High School (gymnasium), 251 West 400 North, Price, Utah, and the next on April 19, 2018, at 11:00 a.m. at the UDWR offices 318 North Vernal Ave, Vernal, Utah.

Aspinall Unit Reservoirs – Releases from Crystal Dam are approximately 900 cfs. Uncompahgre Valley Water Users Association shut down the Gunnison Tunnel on November 1, 2017 so all releases from Crystal are now flowing through the Black Canyon. Blue Mesa Reservoir elevation is 7589 feet which corresponds to a storage content 577,000 acre-feet (69 percent of live storage capacity). Releases from Crystal will remain at the current level to the end of January. In February, releases will likely be decreased to approximately 750 cfs.

The December unregulated inflow to Blue Mesa Reservoir was 24,636 af (102 percent of average). Unregulated Inflows to Blue Mesa for the next three months (January, February and March) are projected to be: 24,000 af (100 percent of average), 21,000 af (95 percent of average) and 31,000 af (86 percent of average), respectively.

Snow accumulation so far this winter has been well below normal for this time of year. As of January 11, 2018 the snowpack above Crystal Reservoir is 48 percent of median. For water year 2018, the unregulated inflow volume is forecasted to be 679,000 af (71 percent of average) with 435,000 af (64 percent of average) forecasted unregulated inflow during the April through July period. The January 24-Month Study is reflective of this new forecast.

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

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

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

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 18th, 2018 at 1:00 p.m. at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – The daily average release from Navajo is 380 cfs, and the observed inflow is 210 cfs. The reservoir elevation is 6053.4 feet (1,265,600 af), and is 74 percent full (58 percent of active storage). The San Juan River at Four Corners USGS gage is at 690 cfs. The Animas River at Farmington USGS gage is at 230 cfs. Releases are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision,

in an attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). The San Juan River Basin Recovery Implementation Program (SJRIP) recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area.

Currently SNOTEL sites are showing an average of 2.7 inches of SWE above Navajo, which is 26 percent of the median and 13 percent of the seasonal median peak. Currently the closest comparable years are 2000, 2002, and 2006.

Modified unregulated inflow into Navajo for November was 10,440 af, which was 42 percent of average for the month. The most probable modified-unregulated inflow forecast for January at Navajo is 14,000 af (64 percent of average), for February is 16,000 af (53 percent of average), and for March is 40,000 af (43 percent of average). Releases for the remainder of the winter will be made to maintain the target baseflow in the critical habitat reach and will likely range between 400 and 600 cfs.

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 January 23rd, 2018, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow to Lake Powell in December was 299 thousand acre-feet (kaf) (82 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 3,623 feet (77 feet from full pool) and 13.7 maf (56 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 64 percent of average.

Current Operations

The operating tier for water year 2018 was established in August 2017 as the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April 2018 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2018. This projection will be updated each month throughout the water year. Reclamation will schedule operations

at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2018.

In January 2018, the release volume will be approximately 860 kaf, with fluctuations anticipated between approximately 9,100 cfs and 16,850 cfs and consistent with the Glen Canyon Dam, Record of Decision (dated December 2016). The anticipated release volume for February is approximately 730 kaf with daily fluctuations between approximately 10,500 cfs and 13,900 cfs. The expected release for March is 800 kaf with daily fluctuations between approximately 7,200 cfs and 16,000 cfs.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 MW of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of up to about 1,200 cfs above or below the hourly scheduled release rate. Under system normal conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 27 MW (approximately 800 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur fairly infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

Inflow Forecasts and Model Projections

The April to July 2018 water supply forecast for unregulated inflow to Lake Powell, issued on January 3, 2018, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 3.9 maf (54 percent of average based on the period 1981-2010). The projected water year 2018 inflow is 6.75 maf (62 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 2.11 maf (29 percent of average) to a maximum probable of 9.8 maf (90 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 2018 near 3,607 feet with approximately 12.4 maf in storage (51 percent of capacity). Note that projections of elevation and storage for water year 2018 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 3,591 feet (10.9 maf, 45 percent of capacity) and 3,628 feet (14.7 maf, 60 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, potentially in lower elevation and storage. The annual release volume from Lake Powell during water year 2018 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 2018. The minimum and maximum probable 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 18-year period 2000 to 2017, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 4 out of the past 18 years. The period 2000-2017 is the lowest 18-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.76 maf, or 81 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 2000-2017 period has ranged from a low of 2.64 maf (24 percent of average) in water year 2002 to a high of 15.97 maf (147 percent of average) in water year 2011. In water year 2017 unregulated inflow volume to Lake Powell was 11.9 maf (110 percent of average), the fourth year to be above average. Under the current most probable forecast, the total water year 2018 unregulated inflow to Lake Powell is projected to be 6.75 maf (62 percent of average).

At the beginning of water year 2018, total system storage in the Colorado River Basin was 32.9 maf (55 percent of 59.6 maf total system capacity). This is an increase of 2.7 maf over the total storage at the beginning of water year 2017 when total system storage was 30.2 maf (51 percent of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94 percent of capacity at the beginning of 2000 to a low of 50 percent of capacity at the beginning of water year 2005. One wet year can significantly increase total system reservoir storage, just as persistent dry years can draw down the system storage. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2018 is approximately 29.9 maf (50 percent of total system capacity). The actual end of water year 2018 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow. Based on the January minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2018 total system capacity is approximately 28.0 maf (47 percent of capacity) to 32.7 maf (55 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 8100
SALT LAKE CITY, UT 84138-5571
PHONE 801-524-3709

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		196	449	387	299	82%:	310/	335/	475/	3900/: 54%
GBRW4: Fontenelle		66	73	62	46	144%:	44/	40/	60/	780/: 108%
GRNU1: Flaming Gorge		87	88	82	52	149%:	59/	57/	106/	1000/: 102%
BMDC2: Blue Mesa		35	37	32	26	101%:	24/	21/	31/	435/: 64%
MPSC2: Morrow Point		35	38	34	26	94%:	24/	21/	34/	470/: 64%
CLSC2: Crystal		39	43	38	29	89%:	26/	24/	39/	520/: 62%
TPIC2: Taylor Park		7.7	8.2	5.9	4.1	88%:	4.5/	4/	4/	76/: 77%
VCRC2: Vallecito		8.6	8.6	5.1	3.2	50%:	3.5/	3/	5/	100/: 52%
NVRN5: Navajo		8.7	38	18.8	9.9	39%:	14/	16/	40/	350/: 48%
LEMC2: Lemon		1.73	1.31	0.73	0.48	44%:	0.5/	0.5/	1/	27/: 49%
MPHC2: McPhee		8.4	2.9	2.2	2.1	48%:	3/	3/	8/	130/: 44%
RBSC2: Ridgway		5.3	6.3	5.0	3.7	82%:	3.5/	3/	5/	61/: 60%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2017	45	1	0	63	63	6483.20	184
H	Feb 2017	51	1	0	57	57	6482.06	178
I	Mar 2017	180	1	0	150	150	6486.90	207
S	Apr 2017	225	1	0	304	304	6472.17	128
T	May 2017	430	1	54	373	427	6472.55	129
O	Jun 2017	732	2	74	469	543	6502.49	317
R	Jul 2017	332	3	88	230	319	6503.83	328
I	Aug 2017	102	2	95	61	156	6496.34	271
C	Sep 2017	66	2	69	4	72	6495.21	263
WY 2017		2319	15	379	1890	2270		
A	Oct 2017	73	1	80	0	80	6494.03	255
L	Nov 2017	62	1	78	0	78	6491.65	238
*	Dec 2017	46	1	72	8	80	6486.39	204
	Jan 2018	44	1	80	0	80	6480.16	168
	Feb 2018	40	0	73	0	73	6473.48	134
	Mar 2018	60	0	80	0	80	6468.68	114
	Apr 2018	85	1	83	0	83	6468.99	115
	May 2018	165	1	97	28	126	6477.37	153
	Jun 2018	330	2	101	108	209	6496.41	272
	Jul 2018	200	3	103	32	135	6504.64	335
	Aug 2018	76	2	71	0	71	6505.02	338
	Sep 2018	47	2	68	0	68	6502.04	314
WY 2018		1228	15	986	177	1163		
	Oct 2018	49	1	71	0	71	6499.08	292
	Nov 2018	42	1	68	0	68	6495.41	265
	Dec 2018	32	1	71	0	71	6489.58	226
	Jan 2019	30	1	71	0	71	6483.17	185
	Feb 2019	28	1	68	0	68	6475.49	144
	Mar 2019	53	0	82	0	82	6468.80	114
	Apr 2019	85	1	82	0	82	6469.55	117
	May 2019	164	1	97	29	126	6477.43	153
	Jun 2019	299	2	102	53	155	6499.56	296
	Jul 2019	178	3	101	29	130	6505.34	340
	Aug 2019	77	2	94	0	94	6502.83	321
	Sep 2019	46	2	71	0	71	6499.26	293
WY 2019		1083	15	978	111	1089		
	Oct 2019	49	1	70	0	70	6496.17	271
	Nov 2019	42	1	68	0	68	6492.41	244
	Dec 2019	32	1	70	0	70	6486.53	206

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Jan 2017	49	67	2	110	0	110	124	6023.01	3087	149
H	Feb 2017	106	112	2	109	0	109	124	6023.03	3088	189
I	Mar 2017	400	370	3	256	26	282	128	6025.25	3169	408
S	Apr 2017	350	428	5	268	244	511	124	6022.93	3084	745
T	May 2017	582	580	8	278	171	449	129	6026.15	3203	857
O	Jun 2017	895	705	11	263	223	486	137	6031.41	3404	859
R	Jul 2017	387	374	14	180	48	228	142	6034.61	3531	315
I	Aug 2017	120	174	13	143	0	143	143	6035.05	3548	173
C	Sep 2017	87	93	11	141	0	141	140	6033.63	3491	161
	WY 2017	3153	3104	81	2016	712	2728				4225
A	Oct 2017	88	95	8	107	0	107	140	6033.17	3473	155
L	Nov 2017	82	98	4	139	0	139	138	6032.07	3430	171
*	Dec 2017	52	86	2	174	0	174	135	6029.85	3343	201
	Jan 2018	59	95	2	172	0	172	131	6027.87	3268	193
	Feb 2018	57	90	2	156	0	156	129	6026.14	3202	180
	Mar 2018	106	126	3	115	0	115	129	6026.36	3211	175
	Apr 2018	135	133	5	110	0	110	130	6026.83	3228	250
	May 2018	230	191	8	114	0	114	133	6028.58	3295	464
	Jun 2018	400	279	11	174	0	174	136	6030.93	3385	504
	Jul 2018	235	170	14	226	0	226	133	6029.18	3318	276
	Aug 2018	90	85	13	98	0	98	132	6028.52	3292	116
	Sep 2018	56	77	11	95	0	95	131	6027.79	3264	107
	WY 2018	1590	1525	81	1680	0	1680				2792
	Oct 2018	60	81	7	98	0	98	130	6027.16	3241	123
	Nov 2018	51	77	3	95	0	95	130	6026.62	3220	123
	Dec 2018	35	74	2	98	0	98	129	6025.93	3195	124
	Jan 2019	40	81	2	98	0	98	128	6025.43	3176	123
	Feb 2019	45	85	2	89	0	89	128	6025.27	3170	117
	Mar 2019	102	132	3	98	0	98	129	6026.06	3200	175
	Apr 2019	134	130	5	95	0	95	130	6026.82	3228	310
	May 2019	245	208	8	98	0	98	134	6029.40	3326	630
	Jun 2019	390	245	11	150	0	150	137	6031.52	3408	570
	Jul 2019	210	163	14	155	0	155	137	6031.36	3402	255
	Aug 2019	89	106	13	98	0	98	137	6031.24	3397	124
	Sep 2019	55	81	11	95	0	95	136	6030.59	3372	114
	WY 2019	1455	1462	81	1269	0	1269				2788
	Oct 2019	59	81	7	98	0	98	135	6029.96	3348	131
	Nov 2019	51	77	4	95	0	95	134	6029.42	3327	127
	Dec 2019	35	73	2	98	0	98	133	6028.73	3300	124

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

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January 2018 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2017	6	5	9309.76	70
H	Feb 2017	4	5	9309.43	69
I	Mar 2017	6	6	9309.23	69
S	Apr 2017	13	9	9312.04	73
T	May 2017	30	19	9318.55	84
O	Jun 2017	62	45	9327.76	102
R	Jul 2017	24	26	9326.95	100
I	Aug 2017	12	25	9320.31	88
C	Sep 2017	8	18	9314.58	77
WY 2017		179	173		
A	Oct 2017	8	8	9314.93	78
L	Nov 2017	6	6	9315.09	78
*	Dec 2017	4	6	9313.84	76
	Jan 2018	4	6	9312.64	74
	Feb 2018	4	6	9311.42	72
	Mar 2018	4	6	9310.17	70
	Apr 2018	7	6	9310.80	71
	May 2018	24	12	9317.90	83
	Jun 2018	32	19	9324.92	96
	Jul 2018	13	18	9322.29	91
	Aug 2018	8	16	9317.90	83
	Sep 2018	6	15	9312.64	74
WY 2018		120	124		
	Oct 2018	6	6	9312.54	74
	Nov 2018	5	6	9311.80	73
	Dec 2018	5	6	9310.98	71
	Jan 2019	4	6	9309.95	70
	Feb 2019	4	6	9308.55	68
	Mar 2019	4	6	9307.54	66
	Apr 2019	9	6	9309.32	69
	May 2019	28	20	9314.39	77
	Jun 2019	42	22	9325.26	97
	Jul 2019	20	22	9324.29	95
	Aug 2019	10	20	9319.07	85
	Sep 2019	7	16	9314.11	77
WY 2019		144	142		
	Oct 2019	7	8	9313.31	75
	Nov 2019	5	6	9312.78	74
	Dec 2019	5	6	9311.97	73

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow* Blue Mesa Reservoir



	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2017	29	28	0	34	0	34	7490.68	587
H	Feb 2017	28	29	0	44	1	44	7488.71	571
I	Mar 2017	70	70	0	69	0	70	7488.71	571
S	Apr 2017	145	140	1	53	0	53	7499.55	658
T	May 2017	244	233	1	151	65	293	7491.98	597
O	Jun 2017	392	373	1	139	35	175	7515.35	793
R	Jul 2017	135	137	2	113	0	110	7518.20	819
I	Aug 2017	84	96	1	111	0	111	7516.38	802
C	Sep 2017	35	45	1	115	0	114	7508.43	732
WY 2017		1245	1238	9	987	101	1163		
A	Oct 2017	37	37	1	102	0	102	7500.64	667
L	Nov 2017	32	32	0	40	0	40	7499.68	659
*	Dec 2017	25	27	0	93	0	93	7491.44	593
	Jan 2018	24	26	0	62	0	62	7486.74	556
	Feb 2018	21	23	0	40	0	40	7484.52	539
	Mar 2018	31	33	0	41	0	41	7483.41	531
	Apr 2018	52	51	1	55	0	55	7482.74	526
	May 2018	147	135	1	65	0	65	7491.78	595
	Jun 2018	175	162	1	57	0	57	7504.52	699
	Jul 2018	61	66	1	91	0	91	7501.36	673
	Aug 2018	39	47	1	93	0	93	7495.58	625
	Sep 2018	34	43	1	76	0	76	7491.37	592
WY 2018		678	681	8	813	0	813		
	Oct 2018	36	36	1	48	0	48	7489.77	580
	Nov 2018	30	31	0	18	0	18	7491.49	593
	Dec 2018	26	27	0	42	0	42	7489.49	577
	Jan 2019	24	26	0	42	0	42	7487.35	561
	Feb 2019	22	25	0	35	0	35	7485.93	550
	Mar 2019	36	38	0	41	0	41	7485.46	547
	Apr 2019	77	74	1	51	0	51	7488.45	569
	May 2019	221	213	1	155	0	155	7495.69	626
	Jun 2019	261	241	1	81	0	81	7514.51	786
	Jul 2019	117	119	2	99	0	99	7516.52	804
	Aug 2019	63	73	1	108	0	108	7512.44	767
	Sep 2019	38	47	1	93	0	93	7506.98	720
WY 2019		951	949	9	813	0	813		
	Oct 2019	38	40	1	65	0	65	7503.86	693
	Nov 2019	31	32	0	67	0	67	7499.66	659
	Dec 2019	26	27	0	113	0	113	7488.83	572

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jan 2017	30	34	2	36	33	0	33	7153.75	112
H	Feb 2017	29	44	1	45	55	0	55	7140.48	102
I	Mar 2017	74	70	5	74	64	0	68	7148.96	108
S	Apr 2017	157	53	12	66	65	0	65	7149.64	109
T	May 2017	263	293	19	312	203	0	312	7149.70	109
O	Jun 2017	411	175	19	195	184	0	193	7151.34	110
R	Jul 2017	139	110	4	114	37	0	111	7155.13	113
I	Aug 2017	86	111	2	113	0	0	115	7152.68	111
C	Sep 2017	35	114	0	115	92	0	112	7155.62	114
	WY 2017	1314	1163	69	1232	893	0	1226		
A	Oct 2017	38	102	1	103	105	0	105	7153.17	112
L	Nov 2017	34	40	1	41	42	0	42	7152.45	111
*	Dec 2017	26	93	1	94	94	0	94	7152.45	111
	Jan 2018	24	62	0	62	61	0	61	7153.73	112
	Feb 2018	21	40	0	40	40	0	40	7153.73	112
	Mar 2018	34	41	3	44	44	0	44	7153.73	112
	Apr 2018	59	55	7	62	62	0	62	7153.73	112
	May 2018	157	65	10	75	75	0	75	7153.73	112
	Jun 2018	188	57	13	70	70	0	70	7153.73	112
	Jul 2018	66	91	5	96	96	0	96	7153.73	112
	Aug 2018	42	93	3	96	96	0	96	7153.73	112
	Sep 2018	37	76	3	79	79	0	79	7153.73	112
	WY 2018	726	813	48	861	862	0	862		
	Oct 2018	38	48	3	50	50	0	50	7153.73	112
	Nov 2018	32	18	2	20	20	0	20	7153.73	112
	Dec 2018	28	42	2	45	45	0	45	7153.73	112
	Jan 2019	27	42	2	44	44	0	44	7153.73	112
	Feb 2019	25	35	3	38	38	0	38	7153.73	112
	Mar 2019	40	41	4	45	45	0	45	7153.73	112
	Apr 2019	88	51	11	62	62	0	62	7153.73	112
	May 2019	247	155	26	181	181	0	181	7153.73	112
	Jun 2019	281	81	20	101	101	0	101	7153.73	112
	Jul 2019	123	99	6	105	105	0	105	7153.73	112
	Aug 2019	67	108	3	112	112	0	112	7153.73	112
	Sep 2019	41	93	3	96	96	0	96	7153.73	112
	WY 2019	1037	813	85	898	898	0	898		
	Oct 2019	41	65	3	68	68	0	68	7153.73	112
	Nov 2019	33	67	2	69	69	0	69	7153.73	112
	Dec 2019	28	113	2	115	115	0	115	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*
Crystal Reservoir



		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Jan 2017	35	33	4	37	36	2	37	6750.29	16	1	37
H	Feb 2017	34	55	4	59	56	4	60	6749.56	16	0	60
I	Mar 2017	81	68	6	74	0	73	73	6752.06	17	8	67
S	Apr 2017	167	65	10	75	31	44	75	6751.65	17	39	38
T	May 2017	285	312	22	334	86	73	331	6759.83	19	62	270
O	Jun 2017	446	193	36	229	44	127	231	6751.78	17	61	172
R	Jul 2017	148	111	8	119	96	25	121	6746.24	15	63	60
I	Aug 2017	89	115	3	119	119	0	119	6744.79	15	62	58
C	Sep 2017	39	112	4	116	115	0	115	6748.63	16	59	56
WY 2017		1423	1226	109	1335	751	350	1334			413	929
A	Oct 2017	43	105	5	110	109	0	109	6751.20	16	55	53
L	Nov 2017	38	42	4	46	46	0	46	6749.89	16	1	46
*	Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
	Jan 2018	26	61	2	63	62	0	62	6753.04	17	0	62
	Feb 2018	24	40	3	43	43	0	43	6753.04	17	0	43
	Mar 2018	39	44	5	49	49	0	49	6753.04	17	5	44
	Apr 2018	69	62	10	72	72	0	72	6753.04	17	30	42
	May 2018	177	75	20	95	95	0	95	6753.04	17	55	40
	Jun 2018	205	70	17	87	87	0	87	6753.04	17	60	27
	Jul 2018	69	96	3	99	99	0	99	6753.04	17	65	34
	Aug 2018	45	96	3	99	99	0	99	6753.04	17	65	34
	Sep 2018	40	79	3	82	82	0	82	6753.04	17	55	27
WY 2018		804	862	79	941	939	0	940			392	549
	Oct 2018	42	50	4	54	54	0	54	6753.04	17	30	24
	Nov 2018	36	20	4	24	24	0	24	6753.04	17	0	24
	Dec 2018	32	45	5	49	49	0	49	6753.04	17	0	49
	Jan 2019	31	44	5	49	49	0	49	6753.04	17	0	49
	Feb 2019	29	38	4	42	42	0	42	6753.04	17	0	42
	Mar 2019	46	45	6	51	51	0	51	6753.04	17	5	46
	Apr 2019	101	62	12	74	74	0	74	6753.04	17	30	44
	May 2019	281	181	34	215	134	81	215	6753.04	17	55	160
	Jun 2019	315	101	34	134	130	5	134	6753.04	17	60	74
	Jul 2019	138	105	14	120	120	0	120	6753.04	17	65	55
	Aug 2019	75	112	8	120	120	0	120	6753.04	17	65	55
	Sep 2019	47	96	6	102	102	0	102	6753.04	17	55	47
WY 2019		1174	898	137	1035	949	85	1035			365	670
	Oct 2019	47	68	6	74	74	0	74	6753.04	17	30	44
	Nov 2019	38	69	5	74	74	0	74	6753.04	17	0	74
	Dec 2019	32	115	5	120	120	0	120	6753.04	17	0	120

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*
Vallecito Reservoir



	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Jan 2017	7	5	7648.89	84
H Feb 2017	7	15	7645.42	76
I Mar 2017	24	24	7645.75	77
S Apr 2017	45	35	7649.82	87
T May 2017	67	44	7658.86	109
O Jun 2017	72	57	7664.54	124
R Jul 2017	30	39	7660.94	115
I Aug 2017	19	33	7655.15	100
C Sep 2017	9	34	7644.31	74
WY 2017	303	297		
A Oct 2017	9	22	7638.22	61
L Nov 2017	5	2	7639.49	63
* Dec 2017	3	1	7640.27	65
Jan 2018	4	0	7641.92	68
Feb 2018	3	0	7643.09	71
Mar 2018	5	2	7644.42	74
Apr 2018	10	2	7647.86	82
May 2018	39	29	7651.73	91
Jun 2018	37	40	7650.20	87
Jul 2018	14	39	7638.85	62
Aug 2018	11	36	7625.21	37
Sep 2018	11	28	7611.79	19
WY 2018	151	202		
Oct 2018	12	17	7606.86	14
Nov 2018	8	2	7612.76	20
Dec 2018	6	2	7616.62	25
Jan 2019	5	2	7619.39	28
Feb 2019	5	2	7621.60	31
Mar 2019	9	2	7625.98	38
Apr 2019	23	2	7637.59	59
May 2019	71	31	7654.98	99
Jun 2019	70	44	7664.91	125
Jul 2019	29	42	7659.83	112
Aug 2019	20	38	7652.55	93
Sep 2019	17	30	7647.35	81
WY 2019	276	212		
Oct 2019	16	17	7646.58	79
Nov 2019	9	2	7649.51	86
Dec 2019	6	2	7651.34	90

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*
Navajo Reservoir



Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
* Jan 2017	34	0	32	1	0	22	6056.65	1306	37
H Feb 2017	56	1	62	1	1	27	6059.31	1339	47
I Mar 2017	176	17	159	2	6	30	6068.54	1460	98
S Apr 2017	235	33	193	3	19	33	6078.18	1598	132
T May 2017	261	45	195	4	25	228	6073.94	1536	323
O Jun 2017	231	46	166	5	40	259	6063.90	1398	458
R Jul 2017	49	11	48	4	43	38	6061.00	1361	95
I Aug 2017	30	5	38	4	35	36	6058.07	1323	57
C Sep 2017	9	2	33	3	23	42	6055.28	1289	46
WY 2017	1157	160	991	28	198	785			1422
A Oct 2017	38	2	49	2	8	32	6055.89	1296	52
L Nov 2017	19	0	16	1	0	25	6055.04	1286	42
* Dec 2017	10	0	9	1	0	24	6053.69	1270	40
Jan 2018	14	0	10	1	0	24	6052.48	1255	34
Feb 2018	16	0	13	1	0	22	6051.66	1245	30
Mar 2018	40	0	37	2	5	25	6052.13	1251	37
Apr 2018	72	10	54	2	21	24	6052.75	1258	49
May 2018	155	23	123	3	35	25	6057.61	1318	100
Jun 2018	91	15	79	4	51	24	6057.57	1317	95
Jul 2018	32	2	56	4	56	25	6055.22	1288	54
Aug 2018	30	0	55	3	47	25	6053.53	1268	45
Sep 2018	30	0	47	3	26	24	6053.10	1262	41
WY 2018	547	52	547	26	249	298			617
Oct 2018	37	0	42	2	10	25	6053.63	1269	44
Nov 2018	30	0	24	1	0	24	6053.59	1268	39
Dec 2018	25	0	21	1	0	25	6053.21	1264	40
Jan 2019	22	0	18	1	0	25	6052.65	1257	38
Feb 2019	30	0	27	1	0	22	6052.99	1261	35
Mar 2019	92	0	86	2	5	25	6057.42	1315	47
Apr 2019	170	10	139	3	21	28	6064.30	1404	80
May 2019	277	23	214	4	36	192	6062.96	1386	338
Jun 2019	224	15	182	4	52	253	6052.80	1259	404
Jul 2019	66	2	77	4	57	29	6051.77	1246	96
Aug 2019	45	0	63	3	48	25	6050.69	1234	63
Sep 2019	43	0	55	3	26	24	6050.92	1236	56
WY 2019	1062	50	948	26	254	694			1281
Oct 2019	47	0	48	2	10	25	6051.98	1249	53
Nov 2019	34	0	27	1	0	24	6052.14	1251	42
Dec 2019	25	0	21	1	0	25	6051.75	1246	40

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Lake Powell



	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	Jan 2017	359	415	8	880	0	880	3595.86	4962	11359	900
H	Feb 2017	555	565	8	711	0	711	3594.33	4951	11217	720
I	Mar 2017	1112	895	14	722	0	722	3595.91	4963	11364	730
S	Apr 2017	1608	1494	23	623	0	623	3604.14	5026	12149	629
T	May 2017	2377	2321	29	652	0	652	3619.09	5147	13667	658
O	Jun 2017	3115	2680	51	749	0	749	3634.89	5286	15408	763
R	Jul 2017	1073	889	64	850	0	850	3634.69	5284	15385	875
I	Aug 2017	446	495	63	900	0	900	3630.88	5250	14952	930
C	Sep 2017	196	410	57	663	0	663	3628.31	5227	14664	677
	WY 2017	11905	11396	409	8874	126	9000				9158
A	Oct 2017	449	533	39	640	0	640	3627.09	5216	14530	644
L	Nov 2017	387	454	37	630	0	630	3625.29	5200	14332	629
*	Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	744
	Jan 2018	310	470	9	860	0	860	3619.38	5150	13698	866
	Feb 2018	335	458	10	730	0	730	3616.90	5129	13437	732
	Mar 2018	475	483	16	800	0	800	3613.92	5104	13129	805
	Apr 2018	550	510	25	705	0	705	3611.93	5088	12926	713
	May 2018	1050	779	29	705	0	705	3612.34	5091	12967	711
	Jun 2018	1750	1406	46	760	0	760	3617.71	5135	13522	766
	Jul 2018	550	621	56	860	0	860	3615.09	5114	13249	875
	Aug 2018	325	429	55	900	0	900	3610.32	5075	12762	914
	Sep 2018	270	371	49	670	0	670	3607.09	5049	12439	679
	WY 2018	6749	6998	401	9000	0	9000				9078
	Oct 2018	397	444	34	640	0	640	3604.93	5032	12227	646
	Nov 2018	420	445	32	640	0	640	3602.77	5015	12016	644
	Dec 2018	363	442	25	720	0	720	3599.85	4993	11736	726
	Jan 2019	361	440	8	860	0	860	3595.65	4961	11340	866
	Feb 2019	393	442	8	750	0	750	3592.49	4937	11047	752
	Mar 2019	665	604	13	800	0	800	3590.36	4922	10853	805
	Apr 2019	1056	879	21	710	0	710	3591.86	4933	10989	718
	May 2019	2343	2103	27	710	0	710	3605.22	5034	12255	716
	Jun 2019	2666	2342	46	750	0	750	3619.28	5149	13687	756
	Jul 2019	1091	1039	57	850	0	850	3620.43	5158	13809	865
	Aug 2019	500	582	57	900	0	900	3617.13	5131	13461	914
	Sep 2019	408	510	52	670	0	670	3615.24	5115	13265	679
	WY 2019	10662	10272	380	9000	0	9000				9086
	Oct 2019	512	566	36	640	0	640	3614.26	5107	13164	646
	Nov 2019	473	543	34	640	0	640	3613.07	5097	13042	644
	Dec 2019	363	513	27	720	0	720	3610.94	5080	12826	726

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Jan 2017	880	128	30	500	8.1	7	494	684	1086.08	10521
H	Feb 2017	711	150	28	488	8.8	7	487	704	1089.78	10838
I	Mar 2017	722	97	32	911	14.8	16	910	696	1088.26	10707
S	Apr 2017	623	92	39	961	16.1	20	960	677	1084.89	10420
T	May 2017	652	39	44	917	14.9	29	915	659	1081.56	10141
O	Jun 2017	749	17	53	864	14.5	29	864	648	1079.52	9971
R	Jul 2017	850	89	66	885	14.4	31	885	646	1079.03	9931
I	Aug 2017	900	94	70	683	11.1	28	683	658	1081.44	10131
C	Sep 2017	663	70	58	600	10.1	21	591	662	1082.05	10182
	WY 2017	9000	994	541	8620		235	8591			
A	Oct 2017	640	44	43	596	9.7	23	595	663	1082.30	10202
L	Nov 2017	630	40	42	731	12.3	16	731	656	1080.95	10090
*	Dec 2017	740	44	37	594	9.7	13	593	664	1082.52	10221
	Jan 2018	860	64	30	475	7.7	12	475	689	1087.03	10602
	Feb 2018	730	72	28	673	12.1	14	673	694	1087.97	10683
	Mar 2018	800	46	31	1004	16.3	21	1004	681	1085.65	10484
	Apr 2018	705	39	39	1049	17.6	23	1049	659	1081.56	10140
	May 2018	705	26	44	959	15.6	27	959	641	1078.17	9860
	Jun 2018	760	10	52	870	14.6	33	870	630	1076.04	9686
	Jul 2018	860	77	65	831	13.5	36	831	630	1076.10	9690
	Aug 2018	900	127	70	740	12.0	34	740	641	1078.20	9863
	Sep 2018	670	110	58	730	12.3	27	730	639	1077.83	9832
	WY 2018	9000	699	539	9252		280	9250			
	Oct 2018	640	71	42	525	8.5	28	525	646	1079.15	9941
	Nov 2018	640	65	42	703	11.8	21	703	642	1078.45	9883
	Dec 2018	720	51	36	631	10.3	14	631	648	1079.47	9967
	Jan 2019	860	64	30	627	10.2	12	627	663	1082.33	10205
	Feb 2019	750	72	28	697	12.6	14	697	668	1083.26	10283
	Mar 2019	800	46	31	1058	17.2	21	1058	652	1080.28	10035
	Apr 2019	710	39	38	1060	17.8	23	1060	630	1076.04	9686
	May 2019	710	26	43	964	15.7	27	964	611	1072.59	9407
	Jun 2019	750	10	51	875	14.7	33	875	599	1070.25	9219
	Jul 2019	850	77	64	833	13.5	36	833	599	1070.19	9214
	Aug 2019	900	127	68	729	11.9	34	729	611	1072.49	9398
	Sep 2019	670	110	56	744	12.5	27	744	608	1071.95	9355
	WY 2019	9000	757	528	9446		291	9446			
	Oct 2019	640	71	41	506	8.2	28	506	616	1073.54	9483
	Nov 2019	640	65	41	671	11.3	21	671	615	1073.20	9456
	Dec 2019	720	51	36	595	9.7	14	595	622	1074.67	9574

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
* Jan 2017	500	-23	10	408	0	408	6.6	643.47	1712
H Feb 2017	488	-13	10	486	0	486	8.7	642.70	1690
I Mar 2017	911	-27	13	844	0	844	13.7	643.70	1718
S Apr 2017	961	-23	17	955	0	955	16.1	642.45	1684
T May 2017	917	-13	22	846	0	846	13.8	643.74	1719
O Jun 2017	864	-6	25	853	0	853	14.3	643.01	1699
R Jul 2017	885	-5	26	809	0	809	13.2	644.65	1744
I Aug 2017	683	-8	23	707	0	707	11.5	642.64	1689
C Sep 2017	600	-11	18	656	0	656	11.0	639.47	1603
WY 2017	8620	-183	199	8261	0	8261			
A Oct 2017	596	-2	15	671	0	671	10.9	636.00	1512
L Nov 2017	731	-18	11	595	0	595	10.0	640.07	1619
* Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
Jan 2018	475	-19	10	424	0	424	6.9	641.50	1658
Feb 2018	673	-16	10	634	0	634	11.4	642.00	1671
Mar 2018	1004	-16	13	946	0	946	15.4	643.05	1700
Apr 2018	1049	-20	17	1013	0	1013	17.0	643.00	1699
May 2018	959	-13	22	924	0	924	15.0	643.00	1699
Jun 2018	870	-18	25	854	0	854	14.4	642.00	1671
Jul 2018	831	-16	25	803	0	803	13.1	641.50	1658
Aug 2018	740	-12	23	705	0	705	11.5	641.50	1658
Sep 2018	730	-11	18	740	0	740	12.4	640.01	1617
WY 2018	9252	-177	197	8862	0	8862			
Oct 2018	525	-4	15	689	0	689	11.2	633.00	1434
Nov 2018	703	-11	10	630	0	630	10.6	635.00	1486
Dec 2018	631	-10	9	515	0	515	8.4	638.71	1583
Jan 2019	627	-19	10	516	0	516	8.4	641.80	1666
Feb 2019	697	-16	10	613	58	671	12.1	641.80	1666
Mar 2019	1058	-16	13	994	0	994	16.2	643.05	1700
Apr 2019	1060	-20	17	1024	0	1024	17.2	643.00	1699
May 2019	964	-13	22	929	0	929	15.1	643.00	1699
Jun 2019	875	-18	25	860	0	860	14.4	642.00	1671
Jul 2019	833	-16	25	805	0	805	13.1	641.50	1658
Aug 2019	729	-12	23	694	0	694	11.3	641.50	1658
Sep 2019	744	-11	18	755	0	755	12.7	640.01	1617
WY 2019	9446	-166	197	9024	58	9082			
Oct 2019	506	-4	15	670	0	670	10.9	633.00	1434
Nov 2019	671	-11	10	598	0	598	10.1	635.00	1486
Dec 2019	595	-10	9	479	0	479	7.8	638.71	1583

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 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 2017	408	33	6	244	4.0	68	126	447.29	567	126	2.1
H	Feb 2017	486	14	8	393	7.1	13	62	448.30	586	160	2.9
I	Mar 2017	844	11	9	687	11.2	24	136	447.83	577	203	3.3
S	Apr 2017	955	13	11	729	12.3	42	160	448.73	594	181	3.0
T	May 2017	846	22	13	634	10.3	44	175	448.31	586	111	1.8
O	Jun 2017	853	0	15	689	11.6	57	79	448.41	588	126	2.1
R	Jul 2017	809	18	17	666	10.8	58	71	448.63	592	131	2.1
I	Aug 2017	707	12	17	570	9.3	58	70	448.28	585	102	1.7
C	Sep 2017	656	16	15	481	8.1	56	134	447.17	564	104	1.7
	WY 2017	8261	219	140	6204		664	1406			1513	
A	Oct 2017	671	9	12	478	7.8	69	131	446.27	548	65	1.1
L	Nov 2017	595	12	9	349	5.9	89	127	447.86	577	99	1.7
*	Dec 2017	552	18	7	335	5.5	100	144	446.80	557	109	1.8
	Jan 2018	424	17	6	319	5.2	29	89	446.50	552	138	2.2
	Feb 2018	634	10	8	494	8.9	13	110	447.20	565	160	2.9
	Mar 2018	946	7	9	723	11.8	40	181	446.70	555	198	3.2
	Apr 2018	1013	19	11	718	12.1	82	174	448.70	593	175	2.9
	May 2018	924	15	13	643	10.5	85	186	448.70	593	104	1.7
	Jun 2018	854	15	16	685	11.5	82	73	448.70	593	105	1.8
	Jul 2018	803	26	17	654	10.6	85	74	448.00	580	111	1.8
	Aug 2018	705	25	17	593	9.6	85	33	447.50	571	100	1.6
	Sep 2018	740	20	15	522	8.8	63	151	447.50	570	89	1.5
	WY 2018	8862	193	139	6513		822	1472			1453	
	Oct 2018	689	28	12	479	7.8	56	162	447.50	571	74	1.2
	Nov 2018	630	19	9	407	6.8	56	172	447.50	571	116	1.9
	Dec 2018	515	19	7	316	5.1	56	169	446.50	552	131	2.1
	Jan 2019	516	17	6	322	5.2	78	122	446.50	552	138	2.2
	Feb 2019	671	10	8	494	8.9	52	122	446.50	552	160	2.9
	Mar 2019	994	7	9	720	11.7	69	190	446.70	555	198	3.2
	Apr 2019	1024	19	11	713	12.0	87	185	448.70	593	175	2.9
	May 2019	929	15	13	640	10.4	89	190	448.70	593	104	1.7
	Jun 2019	860	15	16	678	11.4	87	80	448.70	593	105	1.8
	Jul 2019	805	26	17	646	10.5	89	80	448.00	580	111	1.8
	Aug 2019	694	25	17	581	9.4	89	30	447.50	571	100	1.6
	Sep 2019	755	20	15	510	8.6	87	154	447.50	570	89	1.5
	WY 2019	9082	220	139	6506		895	1656			1500	
	Oct 2019	670	28	12	488	7.9	49	142	447.50	571	74	1.2
	Nov 2019	598	19	9	411	6.9	49	142	447.50	571	116	1.9
	Dec 2019	479	19	7	314	5.1	49	142	446.50	552	131	2.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
* Jan 2017	500	8.1	1086.08	10521	442	442.12	857.0	192.4	55	384.9
H Feb 2017	488	8.8	1089.78	10838	317	446.75	938.0	190.4	58	390.4
I Mar 2017	911	14.8	1088.26	10707	-131	440.44	1291.1	362.0	79	397.2
S Apr 2017	961	16.1	1084.89	10420	-287	439.75	1227.0	381.0	76	396.5
T May 2017	917	14.9	1081.56	10141	-280	434.83	1307.0	360.6	80	393.4
O Jun 2017	864	14.5	1079.52	9971	-169	433.52	1500.0	335.0	94	387.5
R Jul 2017	885	14.4	1079.03	9931	-40	432.24	1499.0	341.1	94	385.5
I Aug 2017	683	11.1	1081.44	10131	200	436.25	1478.1	261.0	93	382.0
C Sep 2017	600	10.1	1082.05	10182	51	440.10	976.1	230.7	66	384.8
WY 2017	8620							3347.1		
A Oct 2017	596	9.7	1082.30	10202	21	441.43	976.1	229.0	66	384.2
L Nov 2017	731	12.3	1080.95	10090	-113	435.01	996.0	287.9	63	393.6
* Dec 2017	594	9.7	1082.52	10221	131	439.05	821.0	235.7	52	396.6
Jan 2018	475	7.7	1087.03	10602	381	437.72	834.0	189.1	51	397.9
Feb 2018	673	12.1	1087.97	10683	81	437.45	1222.0	267.4	75	397.2
Mar 2018	1004	16.3	1085.65	10484	-198	437.70	995.0	406.2	62	404.6
Apr 2018	1049	17.6	1081.56	10140	-344	432.76	1189.9	417.6	75	398.1
May 2018	959	15.6	1078.17	9860	-280	426.96	1483.0	371.8	95	387.7
Jun 2018	870	14.6	1076.04	9686	-174	423.98	1555.0	331.6	100	381.1
Jul 2018	831	13.5	1076.10	9690	5	423.44	1556.0	320.6	100	385.8
Aug 2018	740	12.0	1078.20	9863	172	424.68	1568.0	282.7	100	382.2
Sep 2018	730	12.3	1077.83	9832	-31	426.02	1565.0	280.3	100	384.2
WY 2018	9252							3619.9		
Oct 2018	525	8.5	1079.15	9941	109	431.34	1170.0	199.9	74	381.1
Nov 2018	703	11.8	1078.45	9883	-58	433.28	1263.0	275.3	81	391.5
Dec 2018	631	10.3	1079.47	9967	84	432.26	1167.0	246.8	74	390.9
Jan 2019	627	10.2	1082.33	10205	238	433.85	901.1	248.4	57	395.9
Feb 2019	697	12.6	1083.26	10283	78	435.26	825.0	282.0	52	404.5
Mar 2019	1058	17.2	1080.28	10035	-248	433.21	907.0	430.0	57	406.4
Apr 2019	1060	17.8	1076.04	9686	-349	427.43	1154.0	417.5	74	394.0
May 2019	964	15.7	1072.59	9407	-279	421.57	1437.1	369.2	94	383.1
Jun 2019	875	14.7	1070.25	9219	-187	418.35	1511.5	329.4	100	376.3
Jul 2019	833	13.5	1070.19	9214	-5	417.64	1511.1	316.9	100	380.6
Aug 2019	729	11.9	1072.49	9398	184	418.92	1524.1	274.5	100	376.6
Sep 2019	744	12.5	1071.95	9355	-43	420.27	1521.1	282.6	100	379.9
WY 2019	9446							3672.5		
Oct 2019	506	8.2	1073.54	9483	128	425.63	1138.8	195.8	74	387.1
Nov 2019	671	11.3	1073.20	9456	-27	427.89	1230.9	258.2	81	384.7
Dec 2019	595	9.7	1074.67	9574	119	427.28	1139.1	228.5	74	384.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 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
*	Jan 2017	408	6.6	643.47	1712	59	143.95	164.5	54.6	65	133.8
H	Feb 2017	486	8.7	642.70	1690	-21	141.54	162.1	63.8	64	131.4
I	Mar 2017	844	13.7	643.70	1718	28	141.08	194.1	109.6	76	129.9
S	Apr 2017	955	16.1	642.45	1684	-34	138.31	204.0	131.0	80	137.2
T	May 2017	846	13.8	643.74	1719	35	142.74	232.0	108.4	91	128.1
O	Jun 2017	853	14.3	643.01	1699	-20	141.59	255.0	107.4	100	126.0
R	Jul 2017	809	13.2	644.65	1744	45	143.65	255.0	101.5	100	125.5
I	Aug 2017	707	11.5	642.64	1689	-55	143.10	255.0	89.9	100	127.1
C	Sep 2017	656	11.0	639.47	1603	-86	138.07	253.3	83.2	99	126.8
WY 2017		8261							1061.4		
A	Oct 2017	671	10.9	636.00	1512	-91	134.26	179.3	81.3	70	121.3
L	Nov 2017	595	10.0	640.07	1619	107	138.81	151.3	73.1	59	122.7
*	Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
	Jan 2018	424	6.9	641.50	1658	22	136.92	159.6	53.7	63	126.5
	Feb 2018	634	11.4	642.00	1671	14	137.49	162.1	79.5	64	125.3
	Mar 2018	946	15.4	643.05	1700	29	136.95	204.0	118.0	80	124.7
	Apr 2018	1013	17.0	643.00	1699	-1	137.36	207.4	126.3	81	124.7
	May 2018	924	15.0	643.00	1699	0	137.43	204.0	115.8	80	125.3
	Jun 2018	854	14.4	642.00	1671	-27	135.51	255.0	106.8	100	125.0
	Jul 2018	803	13.1	641.50	1658	-14	134.73	255.0	100.2	100	124.8
	Aug 2018	705	11.5	641.50	1658	0	134.46	255.0	88.1	100	125.1
	Sep 2018	740	12.4	640.01	1617	-40	133.68	255.0	91.9	100	124.1
WY 2018		8862							1104.2		
	Oct 2018	689	11.2	633.00	1434	-183	130.74	202.3	83.2	79	120.7
	Nov 2018	630	10.6	635.00	1486	51	129.19	170.0	74.8	67	118.7
	Dec 2018	515	8.4	638.71	1583	97	132.25	167.8	62.9	66	122.1
	Jan 2019	516	8.4	641.80	1666	83	135.41	179.3	64.5	70	125.1
	Feb 2019	613	11.0	641.80	1666	0	139.11	111.1	77.0	44	125.5
	Mar 2019	994	16.2	643.05	1700	34	138.04	166.2	123.7	65	124.4
	Apr 2019	1024	17.2	643.00	1699	-1	137.36	207.4	127.6	81	124.6
	May 2019	929	15.1	643.00	1699	0	137.43	204.0	116.3	80	125.2
	Jun 2019	860	14.4	642.00	1671	-27	135.51	255.0	107.4	100	125.0
	Jul 2019	805	13.1	641.50	1658	-14	134.73	255.0	100.4	100	124.8
	Aug 2019	694	11.3	641.50	1658	0	134.46	255.0	86.8	100	125.2
	Sep 2019	755	12.7	640.01	1617	-40	133.68	255.0	93.6	100	124.0
WY 2019		9024							1118.3		
	Oct 2019	670	10.9	633.00	1434	-183	130.74	202.3	81.0	79	120.8
	Nov 2019	598	10.1	635.00	1486	51	129.19	170.0	71.1	67	118.9
	Dec 2019	479	7.8	638.71	1583	97	132.25	167.8	58.6	66	122.3

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 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
*	Jan 2017	244	4.0	447.29	567	-6	81.95	93.9	16.2	78	66.5
H	Feb 2017	393	7.1	448.30	586	19	82.67	90.0	27.9	75	71.0
I	Mar 2017	687	11.2	447.83	577	-9	79.98	90.0	48.8	75	71.1
S	Apr 2017	729	12.3	448.73	594	17	80.51	120.0	51.3	100	70.3
T	May 2017	634	10.3	448.31	586	-8	82.36	120.0	44.8	100	70.6
O	Jun 2017	689	11.6	448.41	588	2	80.56	120.0	48.1	100	69.9
R	Jul 2017	666	10.8	448.63	592	4	82.74	120.0	46.5	100	69.9
I	Aug 2017	570	9.3	448.28	585	-7	82.37	120.0	39.9	100	70.0
C	Sep 2017	481	8.1	447.17	564	-21	81.08	120.0	33.8	100	70.2
WY 2017		6204							434.1		
A	Oct 2017	478	7.8	446.27	548	-17	80.03	92.9	33.6	77	70.4
L	Nov 2017	349	5.9	447.86	577	30	81.65	90.0	24.1	75	69.2
*	Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
	Jan 2018	319	5.2	446.50	552	-6	74.18	117.1	20.1	98	63.0
	Feb 2018	494	8.9	447.20	565	13	75.55	92.1	32.5	77	65.8
	Mar 2018	723	11.8	446.70	555	-9	75.03	104.5	47.7	87	65.9
	Apr 2018	718	12.1	448.70	593	38	75.08	120.0	47.3	100	65.8
	May 2018	643	10.5	448.70	593	0	76.05	120.0	42.7	100	66.3
	Jun 2018	685	11.5	448.70	593	0	76.05	120.0	45.5	100	66.5
	Jul 2018	654	10.6	448.00	580	-13	75.71	120.0	43.2	100	66.1
	Aug 2018	593	9.6	447.50	571	-9	75.13	120.0	38.8	100	65.4
	Sep 2018	522	8.8	447.50	570	0	74.89	120.0	34.0	100	65.0
WY 2018		6513							431.9		
	Oct 2018	479	7.8	447.50	571	0	76.19	91.9	31.6	77	65.9
	Nov 2018	407	6.8	447.50	571	0	75.83	99.0	26.5	83	65.2
	Dec 2018	316	5.1	446.50	552	-19	74.40	120.0	19.9	100	63.0
	Jan 2019	322	5.2	446.50	552	0	75.02	95.8	20.5	80	63.7
	Feb 2019	494	8.9	446.50	552	0	75.21	92.1	32.4	77	65.6
	Mar 2019	720	11.7	446.70	555	4	74.34	112.3	47.0	94	65.3
	Apr 2019	713	12.0	448.70	593	38	75.08	120.0	46.9	100	65.8
	May 2019	640	10.4	448.70	593	0	76.05	120.0	42.4	100	66.3
	Jun 2019	678	11.4	448.70	593	0	76.05	120.0	45.1	100	66.5
	Jul 2019	646	10.5	448.00	580	-13	75.71	120.0	42.7	100	66.0
	Aug 2019	581	9.4	447.50	571	-9	75.13	120.0	38.0	100	65.4
	Sep 2019	510	8.6	447.50	570	0	74.89	120.0	33.1	100	65.0
WY 2019		6506							426.2		
	Oct 2019	488	7.9	447.50	571	0	76.29	90.0	32.3	75	66.1
	Nov 2019	411	6.9	447.50	571	0	76.14	93.0	26.9	78	65.5
	Dec 2019	314	5.1	446.50	552	-19	74.40	120.0	19.8	100	63.0

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Upper Basin Power



Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Jan 2017	385	43	10	11	5	0
H Feb 2017	307	43	13	19	10	0
I Mar 2017	312	97	19	22	0	0
Winter 2017	1945	289	87	107	46	0
S Apr 2017	270	102	15	22	6	0
T May 2017	291	105	43	72	17	4
O Jun 2017	346	102	40	66	8	6
R Jul 2017	399	71	35	13	18	8
I Aug 2017	421	56	34	0	22	9
C Sep 2017	306	56	35	33	22	6
Summer 2017	2033	492	202	207	93	33
A Oct 2017	294	42	30	37	21	7
L Nov 2017	288	55	12	14	8	7
* Dec 2017	339	68	27	33	19	6
Jan 2018	356	63	18	22	11	6
Feb 2018	300	57	12	14	7	5
Mar 2018	327	42	12	16	8	5
Winter 2018	1904	327	111	136	74	36
Apr 2018	287	40	16	22	12	5
May 2018	286	42	19	27	16	7
Jun 2018	310	64	17	25	15	8
Jul 2018	352	83	28	35	17	10
Aug 2018	365	36	28	35	17	7
Sep 2018	270	35	22	28	14	7
Summer 2018	1870	300	130	172	92	43
Oct 2018	256	36	14	18	9	7
Nov 2018	255	35	5	7	4	6
Dec 2018	285	36	13	16	9	6
Jan 2019	339	36	12	16	9	6
Feb 2019	293	32	10	14	7	5
Mar 2019	311	36	12	16	9	6
Winter 2019	1740	211	66	87	47	35
Apr 2019	276	35	15	22	13	5
May 2019	280	36	46	65	23	7
Jun 2019	304	55	25	36	22	8
Jul 2019	350	57	31	38	21	10
Aug 2019	370	36	34	40	21	9
Sep 2019	274	35	29	34	18	7
Summer 2019	1854	254	179	236	118	45
Oct 2019	261	36	20	24	13	6
Nov 2019	259	35	20	25	13	6
Dec 2019	291	36	34	42	21	6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2018 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	Total	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****																			
Jan 2018	546	237	426	10254	11464	17156	28620	546	237	426	1210	10254	17156	28620	5350	475	0	32.0	
Jan 2018	546	237	426	10254	11464	17156	28620	155	100	204	459	10254	17156	27870	5350	475	0	32.0	
Feb 2018	659	273	441	10624	11997	16775	28773	268	138	218	625	10624	16775	28024	1500	673	0	31.7	
Mar 2018	757	290	451	10885	12383	16694	29077	367	157	227	751	10885	16694	28329	1500	1004	0	31.2	
Apr 2018	770	298	445	11193	12706	16893	29598	376	167	214	757	11193	16893	28842	1500	1049	0	30.7	
May 2018	751	303	438	11396	12888	17237	30125	351	170	184	705	11396	17237	29338	1500	959	0	30.7	
Jun 2018	646	234	378	11355	12614	17517	30131	234	88	86	408	11355	17517	29280	1500	870	0	31.4	
Jul 2018	437	131	379	10800	11746	17691	29437	9	-30	31	10	10800	17691	28501	1500	831	0	31.0	
**** EFFECTIVE SPACE ****																			
**** CREDITABLE SPACE ****																			
Aug 2018	442	157	408	11073	12079	17687	29766	442	157	408	1006	11073	17687	29766	1500	740	0	30.6	
Sep 2018	464	204	428	11560	12656	17514	30170	464	204	428	1096	11560	17514	30170	2270	730	0	30.1	
Oct 2018	515	238	434	11883	13069	17545	30614	515	238	434	1186	11883	17545	30614	3040	525	0	29.8	
Nov 2018	561	250	427	12095	13334	17436	30770	561	250	427	1238	12095	17436	30770	3810	703	0	29.5	
Dec 2018	608	237	428	12306	13578	17494	31072	608	237	428	1273	12306	17494	31072	4580	631	0	29.3	
Jan 2019	673	252	432	12586	13944	17410	31354	673	252	432	1358	12586	17410	31354	5350	627	0	29.1	
**** EFFECTIVE SPACE ****																			
Jan 2019	673	252	432	12586	13944	17410	31354	382	252	170	804	12586	17410	30801	5350	627	0	29.1	
Feb 2019	733	269	439	12982	14423	17172	31595	440	269	176	885	12982	17172	31039	1500	697	0	28.9	
Mar 2019	780	279	435	13275	14769	17094	31863	484	279	171	935	13275	17094	31304	1500	1058	0	28.5	
Apr 2019	780	283	381	13469	14913	17342	32256	480	283	110	874	13469	17342	31685	1500	1060	0	28.5	
May 2019	749	260	292	13333	14634	17691	32325	442	260	-1	701	13333	17691	31725	1500	964	0	29.7	
Jun 2019	615	203	310	12067	13195	17970	31166	295	198	-23	471	12067	17970	30508	1500	875	0	31.1	
Jul 2019	391	44	437	10635	11507	18158	29665	55	18	48	121	10635	18158	28914	1500	833	0	31.3	
**** CREDITABLE SPACE ****																			
Aug 2019	352	26	450	10513	11341	18163	29503	352	26	450	827	10513	18163	29503	1500	729	0	31.0	
Sep 2019	376	62	462	10861	11762	17979	29741	376	62	462	901	10861	17979	29741	2270	744	0	30.6	
Oct 2019	429	110	460	11057	12055	18022	30077	429	110	460	998	11057	18022	30077	3040	506	0	30.4	
Nov 2019	476	136	447	11158	12217	17894	30111	476	136	447	1059	11158	17894	30111	3810	671	0	30.2	
Dec 2019	523	171	445	11280	12419	17921	30340	523	171	445	1139	11280	17921	30340	4580	595	0	30.1	

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