October 24-Month Study
Date: October 14, 2015

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

Current Reservoir Status

Reservoir	September Inflow (unregulated) (acre-feet)	Percent of Average (%)	October 13, Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	37,000	81	6492.85	247,000
Flaming Gorge	39,000	71	6031.91	3,423,000
Blue Mesa	39,000	103	7504.31	697,000
Navajo	18,000	41	6062.71	1,383,000
Powell	276,000	68	3606.11	12,343,000

Expected Operations

The operation of Lake Powell and Lake Mead in this October 2015 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 2015 Annual Operating Plan (AOP) and the draft 2016 AOP. Pursuant to the Interim Guidelines, the August 2015 24-Month Study projections of the January 1, 2016, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2016.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2016 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2016. This October 2015 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 2016.

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 years 2015 and 2016.

The 2016 operating determinations for Lake Powell and Lake Mead will be documented in the 2016 AOP, which is currently in the final stages of development.

The Interim Guidelines are available for download at:
http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.
The 2015 AOP is available for download at:
http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP15.pdf.
The draft 2016 AOP is available for download at:
http://www.usbr.gov/lc/region/g4000/AOP2016/AOP16_draft.pdf.

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6492.8 feet, which amounts to 72 percent of live storage capacity. Inflow for the month of September was limited to 37,000 AF, or 81 percent of average. Recent daily inflow averages have ranged from 660 cfs to 870 cfs.

Reservoir releases were reduced to 1,020 cfs on Monday, August 31, 2015. Weather conditions have been relatively warm and dry, and the Colorado Basin River Forecast Center has forecasted fall inflows that are below average. October, November and December forecasted inflow volumes amount to 40,000 AF (82% of average), 40,000 AF (95% of average), and 30,000 AF (94% of average), respectively. As a result, releases will be further decreased to 950 cfs on Monday, October 19, 2015. It is currently anticipated that releases will be maintained at a baseflow of 950 cfs until Spring 2016.

The next Fontenelle Working Group meeting is scheduled for 10:00 am, April 20, 2016. The meeting will be held at the Seedskadee Wildlife Refuge in Green River, 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 – Flaming Gorge Dam is currently releasing an average daily base flow of 2,200 cfs. It is anticipated that releases will remain at 2,200 cfs through February 29, 2016. Base flow releases are subject to observed hydrology and all projections may change.

Unregulated inflow into Flaming Gorge Reservoir during the month of September was 39,000 acre-feet (AF), or 70 percent of average. The reservoir elevation is 6,032 feet and decreasing. Observed inflows are averaging 1,150 cubic feet per second (cfs).

Inflows for the next three months are projected to be below average: with October, November and December forecasted inflow volumes at 44,000 AF (75% of average), 41,000 AF (80% of average), and 30,000 AF (86% of average), respectively.

The next Flaming Gorge Working Group meeting is scheduled for April 21, 2016, at 11:00 a.m. to be held in the Utah Department of Natural Resources building in Vernal, Utah. The Flaming Gorge Working Group is an open public forum for information

exchange between Reclamation and the stake holders 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 Peter Crookston at 801-379-1152 or Heather Patno at 801-524-3883.

Aspinall Unit Reservoirs – September unregulated inflow into Blue Mesa Reservoir was 39,000 acre-feet or 103 percent of average. Precipitation during September was observed to be about 55 percent of average. The current inflow rate into Blue Mesa Reservoir is about 500 cfs and reservoir releases are averaging about 1,800 cfs. Blue Mesa's present elevation is 7504.31 feet, which corresponds to a storage content of about 697,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2015 was 1.04 million acre-feet, or about 109 percent of average.

Releases from Crystal Dam are scheduled to decrease during the brown trout spawn. The target flow will be about 500 cfs in Gunnison River below the tunnel. The spawn period will be about a month or through mid-November. After the spawn the release rate will be increased again from Crystal Dam in order to help bring Blue Mesa Reservoir down to its end of December icing target elevation of 7490 feet.

Pursuant to the Aspinall Unit Operations Record of Decision (ROD), the baseflow target in the lower Gunnison River, as measured at the Whitewater gage, is 1,050 cfs for September through December. Flows in the lower Gunnison River are currently above the baseflow target of 1,050 cfs. River flows have remained relatively high due to favorable hydrology. Flows are expected to stay above the October baseflow target for the foreseeable future.

The last meeting of the "Aspinall Unit Working Group" was held on Thursday, August 13, 2015 at the Elk Creek Visitors Center at Blue Mesa Reservoir. At this meeting, review of this spring's reservoir operations, and plans for this summer and fall operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

Navajo Reservoir – Navajo is currently releasing 600 cfs. Releases are made for the authorized purposes of the Navajo Unit, and 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 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.

Navajo was at 6063.41 feet of pool elevation and 1,391,776 acre-feet of storage by the end of September, which was 101% of average for the end of the month. Modified

unregulated inflow into Navajo was 17,581 acre-feet, which was 41% of average for the month. Calculated evaporation for the month was 2887 acre-ft. NIIP diverted a total of 12,357 acre-ft. The release averaged close to 600 cfs throughout the month. Precipitation at the dam totaled 2.53 inches (174% of average).

As of October 1st, the release at Navajo (as measured at the USGS at Archuleta gage) was 544 cfs (the release was increased to 600 cfs Oct 2nd), and the observed inflow is 540 cfs. NIIP is diverting 354 cfs. The reservoir elevation is 6063.35 feet and the content is 1,390,990 acre-feet, or 82% full (70% of Active), and losing storage. The San Juan River at Four Corners USGS gage is at 541 cfs, and the Animas River at Farmington USGS gage is at 182 cfs. SNOTEL sites above Navajo are showing 0 inches of SWE.

The most probable modified-unregulated inflow forecast for October at Navajo is 25,000 acre-feet (53% of average), for November is 27,000 acre-feet (81% of average), and for December is 22,000 acre-feet (88% of average).

The most probable forecast shows the reservoir will reach a minimum overwinter storage level near 6061.2 feet (1,362,500 acre-feet) in February of 2016.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow to Lake Powell in September was 276 kaf (68% of average). The release volume from Glen Canyon Dam in August was 714 kaf. The end of September elevation and storage of Lake Powell were 3,606.1 feet (94 feet from full pool) and 12.3 maf (51% of full capacity), respectively. The water year 2015 unregulated inflow to Lake Powell was 10.17 million acre-feet (maf) (94% of average). The water year 2015 release from Lake Powell was 9.0 maf. The reservoir elevation peaked at 3,614 feet on July 14, 2015 and is now in its seasonal decline through the fall and winter months.

Current Operations

The operating tier for water year 2016, established in August 2015, is the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April 2016 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2016. This projection will be updated each month throughout the water year.

In October 2015, the release volume will be approximately 600 thousand acre-feet (kaf), with fluctuations anticipated between approximately 7,000 cfs and 13,000 cfs and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The anticipated release volume for November is approximately 600 kaf with daily fluctuations between approximately 7,000 cfs and 13,000 cfs. The expected release for December is 800 kaf with daily fluctuations between approximately 9,000 cfs and 17,000 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 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 forecast for water year 2016 unregulated inflow to Lake Powell, issued on October 1, 2015, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 8.45 maf (78% of average). This is a decrease of 840 kaf since the September forecast for water year 2016. 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 6.2 maf (57%) to a maximum probable of 16.0 maf (148%). There is a 10% chance that inflows could be higher than the current maximum probable forecast and a 10% chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast, the October 24-Month Study projects Lake Powell elevation will end water year 2016 near 3,600 feet with approximately 11.8 maf in storage (48% capacity). Note that projections of elevation and storage for water year 2016 have significant uncertainty at this point in the season. Projections of elevation and storage using the minimum and maximum probable inflow forecast, updated in October, are 3,581 feet (10.0 maf, 43% capacity) and 3,639 feet (15.9 maf, 65% 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 2016 is projected to be 9.0 maf under the minimum and most probable inflow scenarios and 11.4 maf under the maximum probable inflow scenario. There is a chance that inflows could be higher or lower, potentially resulting in releases greater than 11.4 maf or as low as 8.23 maf in water year 2016. The minimum and maximum probable scenarios will be updated again in January.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 16-year period 2000 to 2015, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 3 out of the past 16 years. The period 2000-2015 is the lowest 16-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.51 maf, or 79% 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 2000-2015 period has ranged from a low of 2.64 maf (24% of average) in water year 2002 to a high of 15.97 maf (147% of average) in water year 2011. The water year 2015 unregulated inflow volume to Lake Powell was 10.17 maf (94% of average), which, though still below average, was significantly higher than inflows observed in 2012 and 2013 (45% and 47% of average, respectively). Under the current most probable forecast, total water year 2016 unregulated inflows to Lake Powell is projected to be 8.45 maf (78% of average).

At the beginning of water year 2016, total system storage in the Colorado River Basin was 30.3 maf (51% of 59.6 maf total system capacity). This is nearly the same as the total storage at the beginning of water years 2014 and 2015 which began at 29.9 maf and 30.0 maf, respectively, both of which were 50% 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% of capacity at the beginning of 2000 to a low of 50% 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 2016 is approximately 28.9 maf (49% of total system capacity).The actual end of water year 2016 system storage may vary from this projection, primarily due to uncertainty regarding next season's snowpack and resulting runoff and reservoir inflow. Based on the October minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2016 total system capacity is approximately 26.8 maf (45%) to 36.4 maf (61%), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

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

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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:	Obs				sep	Forecast		
:	jun	jul	aug	sep	%Avg	oct	nov	dec
GLDA3:Lake Powell	3389	1072	313	276	68%:	350/	350/	280/
GBRW4:Fontenelle	332	126	53	37	81%:	40/	40/	30/
GRNU1:Flaming Gorge	434	157	56	39	71%:	44/	41/	30/
BMDC2:Blue Mesa	368	131	59	39	103%:	35/	30/	26/
MPSC2:Morrow Point	388	135	60	39	96%:	35/	30/	26/
CLSC2:Crystal	429	143	63	42	90%:	38/	33/	29/
TPIC2:Taylor Park	61	22	9.7	7.7	104%:	6/	5/	4.7/
VCRC2:Vallecito	106	37	12.9	10.7	61%:	9.5/	7/	6/
NVRN5:Navajo	285	76	14.8	17.6	41%:	25/	27/	22/
LEMC2:Lemon	31	7.5	2.1	1.60	39%:	1.5/	1.2/	0.9/
MPHC2:McPhee	102	26	7.3	5.7	50%:	5/	4.5/	4/
RBSC2:Ridgway	50	24	10.6	6.5	66%:	5.5/	4.5/	4/

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2015 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)
*	Oct 2014	85	1	80	10	90	6501.37	309
H	Nov 2014	53	1	69	1	69	6499.16	292
I	Dec 2014	51	1	77	0	77	6495.49	265
S	Jan 2015	46	1	77	0	77	6490.98	234
T	Feb 2015	46	1	69	1	69	6487.37	210
O	Mar 2015	70	1	78	0	78	6486.00	201
R	Apr 2015	87	1	102	0	103	6483.35	185
I	May 2015	223	2	104	4	108	6499.95	298
C	Jun 2015	332	3	101	229	330	6499.84	297
A	Jul 2015	126	3	91	17	108	6501.77	312
L	Aug 2015	53	2	83	1	84	6497.37	279
*	Sep 2015	37	2	0	61	61	6493.88	254
	WY 2015	**1210**	**16**	**930**	**324**	**1254**		
	Oct 2015	40	1	60	0	60	6490.83	233
	Nov 2015	40	1	57	0	57	6488.16	216
	Dec 2015	30	1	58	0	58	6483.57	187
	Jan 2016	28	1	58	0	58	6477.98	156
	Feb 2016	26	0	55	0	55	6471.85	127
	Mar 2016	45	0	58	0	58	6468.60	113
	Apr 2016	70	1	71	0	71	6468.12	111
	May 2016	140	1	97	8	105	6475.85	146
	Jun 2016	265	2	101	13	114	6499.45	295
	Jul 2016	164	3	101	15	116	6505.34	340
	Aug 2016	62	2	74	0	74	6503.56	326
	Sep 2016	40	2	69	0	69	6499.54	295
	WY 2016	**950**	**14**	**859**	**35**	**895**		
	Oct 2016	44	1	69	0	69	6496.01	270
	Nov 2016	40	1	67	0	67	6492.12	242
	Dec 2016	32	1	69	0	69	6486.35	204
	Jan 2017	30	1	69	0	69	6479.67	165
	Feb 2017	28	0	62	0	62	6472.41	130
	Mar 2017	53	0	69	0	69	6468.45	113
	Apr 2017	85	1	74	0	74	6470.93	123
	May 2017	164	1	99	5	105	6482.53	181
	Jun 2017	299	2	103	63	167	6501.64	311
	Jul 2017	178	3	100	42	141	6505.89	345
	Aug 2017	77	2	100	5	105	6502.04	314
	Sep 2017	46	2	101	0	101	6494.29	257
	WY 2017	**1076**	**15**	**983**	**115**	**1099**		

* 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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October 2015 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)
*	Oct 2014	108	112	7	92	0	92	133	6028.64	3297	159
H	Nov 2014	65	81	4	77	0	77	133	6028.63	3296	134
I	Dec 2014	53	79	2	113	0	113	131	6027.71	3262	164
S	Jan 2015	67	98	2	124	0	124	130	6026.99	3234	171
T	Feb 2015	63	86	2	113	0	113	129	6026.25	3207	168
O	Mar 2015	77	85	3	124	0	124	127	6025.15	3166	219
R	Apr 2015	112	127	5	73	0	73	129	6026.41	3213	252
I	May 2015	333	218	8	169	57	226	129	6026.01	3198	652
C	Jun 2015	434	432	11	100	0	100	141	6034.01	3506	482
A	Jul 2015	157	140	14	104	0	104	142	6034.55	3528	195
L	Aug 2015	56	87	13	104	0	104	141	6033.81	3498	130
*	Sep 2015	39	62	11	100	1	101	139	6032.59	3450	127
	WY 2015	**1562**	**1606**	**82**	**1293**	**58**	**1352**				**2853**
	Oct 2015	44	64	8	131	0	131	136	6030.76	3379	142
	Nov 2015	41	58	4	131	0	131	133	6028.84	3305	152
	Dec 2015	30	58	2	135	0	135	130	6026.85	3229	154
	Jan 2016	37	67	2	135	0	135	127	6025.05	3162	151
	Feb 2016	38	67	2	127	0	127	125	6023.43	3103	144
	Mar 2016	88	101	3	52	0	52	127	6024.65	3147	105
	Apr 2016	117	118	5	48	0	48	129	6026.36	3211	208
	May 2016	180	145	8	110	0	110	130	6027.04	3236	560
	Jun 2016	320	169	10	148	0	148	131	6027.32	3247	548
	Jul 2016	190	142	13	91	0	91	132	6028.27	3283	156
	Aug 2016	75	87	13	91	0	91	131	6027.86	3267	108
	Sep 2016	50	79	11	88	0	88	131	6027.35	3248	99
	WY 2016	**1210**	**1155**	**79**	**1285**	**0**	**1285**				**2525**
	Oct 2016	55	80	7	91	0	91	130	6026.90	3231	114
	Nov 2016	50	76	3	88	0	88	129	6026.51	3216	115
	Dec 2016	35	72	2	91	0	91	129	6025.99	3197	116
	Jan 2017	40	79	2	91	0	91	128	6025.65	3184	116
	Feb 2017	45	79	2	82	0	82	128	6025.53	3180	110
	Mar 2017	102	119	3	91	0	91	129	6026.18	3204	167
	Apr 2017	134	122	5	88	0	88	130	6026.94	3233	303
	May 2017	245	186	8	147	0	147	131	6027.75	3263	679
	Jun 2017	390	257	10	187	0	187	134	6029.24	3320	608
	Jul 2017	210	174	14	98	0	98	136	6030.78	3379	198
	Aug 2017	89	117	13	98	0	98	136	6030.92	3385	124
	Sep 2017	55	110	11	95	0	95	136	6031.01	3388	114
	WY 2017	**1449**	**1472**	**80**	**1246**	**0**	**1246**				**2763**

* 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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October 2015 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)
*	Oct 2014	10	8	9315.40	79
H	Nov 2014	7	6	9315.85	80
I	Dec 2014	6	6	9315.74	79
S	Jan 2015	6	6	9315.48	79
T	Feb 2015	4	5	9314.94	78
O	Mar 2015	7	6	9315.31	79
R	Apr 2015	9	6	9317.32	82
I	May 2015	19	10	9321.95	91
C	Jun 2015	61	49	9328.14	102
A	Jul 2015	22	29	9324.75	96
L	Aug 2015	10	23	9317.56	83
*	Sep 2015	8	19	9311.10	72
	WY 2015	**167**	**172**		
	Oct 2015	6	6	9311.10	72
	Nov 2015	5	6	9310.48	71
	Dec 2015	5	6	9309.66	69
	Jan 2016	4	6	9308.58	68
	Feb 2016	4	6	9307.08	65
	Mar 2016	4	6	9305.76	63
	Apr 2016	7	6	9306.09	64
	May 2016	24	6	9317.15	82
	Jun 2016	37	18	9327.33	101
	Jul 2016	14	20	9324.24	95
	Aug 2016	8	18	9318.85	85
	Sep 2016	6	14	9314.25	77
	WY 2016	**123**	**118**		
	Oct 2016	6	12	9310.50	71
	Nov 2016	5	6	9309.74	69
	Dec 2016	5	6	9308.90	68
	Jan 2017	4	6	9307.83	67
	Feb 2017	4	6	9306.39	64
	Mar 2017	4	6	9305.35	63
	Apr 2017	9	6	9307.18	66
	May 2017	28	14	9315.97	80
	Jun 2017	42	21	9327.15	101
	Jul 2017	20	22	9326.20	99
	Aug 2017	10	20	9321.09	89
	Sep 2017	7	16	9316.27	80
	WY 2017	**144**	**141**		

* 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)
*	Oct 2014	55	53	1	64	0	64	7490.77	587
H	Nov 2014	37	36	0	27	0	27	7491.85	596
I	Dec 2014	34	34	0	55	0	55	7489.11	574
S	Jan 2015	30	30	0	58	0	58	7485.48	547
T	Feb 2015	28	29	0	29	0	29	7485.47	547
O	Mar 2015	54	53	0	26	0	26	7488.96	573
R	Apr 2015	73	70	1	45	0	45	7492.04	597
I	May 2015	136	128	1	71	0	71	7498.96	653
C	Jun 2015	368	356	1	125	62	192	7517.76	815
A	Jul 2015	131	137	2	135	10	145	7516.74	806
L	Aug 2015	59	73	1	105	0	105	7512.97	772
*	Sep 2015	39	50	1	95	0	95	7507.65	726
	WY 2015	**1042**	**1047**	**9**	**835**	**72**	**912**		
	Oct 2015	35	35	1	80	0	80	7502.26	680
	Nov 2015	30	31	0	45	0	45	7500.54	666
	Dec 2015	26	27	0	112	0	112	7490.00	581
	Jan 2016	24	26	0	59	0	59	7485.64	548
	Feb 2016	21	23	0	43	0	43	7482.98	528
	Mar 2016	32	34	0	33	0	33	7483.06	529
	Apr 2016	66	66	1	47	0	47	7485.43	546
	May 2016	175	157	1	118	0	118	7490.38	584
	Jun 2016	220	201	1	56	0	56	7507.93	728
	Jul 2016	81	87	2	93	0	93	7507.05	720
	Aug 2016	48	58	1	107	0	107	7501.09	670
	Sep 2016	37	45	1	97	0	97	7494.57	617
	WY 2016	**795**	**790**	**8**	**890**	**0**	**890**		
	Oct 2016	38	44	1	48	0	48	7493.97	613
	Nov 2016	31	32	0	18	0	18	7495.70	626
	Dec 2016	26	27	0	72	0	72	7490.00	581
	Jan 2017	24	26	0	85	0	85	7482.20	522
	Feb 2017	22	25	0	60	0	60	7477.30	487
	Mar 2017	36	38	0	26	0	26	7478.86	498
	Apr 2017	77	74	1	39	0	39	7483.57	532
	May 2017	221	207	1	110	0	110	7495.91	628
	Jun 2017	261	240	1	72	0	72	7515.57	795
	Jul 2017	117	119	2	110	0	110	7516.40	803
	Aug 2017	63	73	1	122	0	122	7510.76	752
	Sep 2017	38	47	1	116	0	116	7502.52	682
	WY 2017	**954**	**951**	**9**	**877**	**0**	**877**		

* 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

October 2015 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)
*	Oct 2014	56	64	1	65	49	0	68	7149.96	109
H	Nov 2014	38	27	2	29	23	0	26	7154.03	112
I	Dec 2014	35	55	1	56	56	0	56	7153.68	112
S	Jan 2015	30	58	1	58	60	0	60	7152.01	111
T	Feb 2015	29	29	1	30	31	0	31	7151.25	110
O	Mar 2015	56	26	3	29	28	0	28	7151.69	110
R	Apr 2015	79	45	6	50	51	0	51	7150.61	110
I	May 2015	151	71	15	86	84	0	84	7153.24	112
C	Jun 2015	388	192	20	212	188	0	211	7154.42	113
A	Jul 2015	135	145	3	148	148	0	148	7154.93	113
L	Aug 2015	60	105	0	105	106	0	106	7153.74	112
*	Sep 2015	39	95	0	95	103	0	103	7143.98	104
	WY 2015	**1095**	**912**	**53**	**965**	**926**	**0**	**972**		
	Oct 2015	35	80	0	80	72	0	72	7153.73	112
	Nov 2015	30	45	0	45	45	0	45	7153.73	112
	Dec 2015	26	112	0	112	112	0	112	7153.73	112
	Jan 2016	24	59	0	59	59	0	59	7153.73	112
	Feb 2016	21	43	0	43	43	0	43	7153.73	112
	Mar 2016	36	33	4	37	37	0	37	7153.73	112
	Apr 2016	76	47	10	57	57	0	57	7153.73	112
	May 2016	195	118	20	138	138	0	138	7153.73	112
	Jun 2016	235	56	15	71	71	0	71	7153.73	112
	Jul 2016	84	93	3	96	96	0	96	7153.73	112
	Aug 2016	50	107	2	109	109	0	109	7153.73	112
	Sep 2016	38	97	1	98	98	0	98	7153.73	112
	WY 2016	**850**	**890**	**55**	**945**	**937**	**0**	**937**		
	Oct 2016	39	48	1	49	49	0	49	7153.73	112
	Nov 2016	33	18	2	20	20	0	20	7153.73	112
	Dec 2016	28	72	2	74	74	0	74	7153.73	112
	Jan 2017	27	85	2	87	87	0	87	7153.73	112
	Feb 2017	25	60	3	63	63	0	63	7153.73	112
	Mar 2017	40	26	4	30	30	0	30	7153.73	112
	Apr 2017	88	39	11	50	50	0	50	7153.73	112
	May 2017	247	110	26	136	136	0	136	7153.73	112
	Jun 2017	281	72	20	92	92	0	92	7153.73	112
	Jul 2017	123	110	6	116	116	0	116	7153.73	112
	Aug 2017	67	122	3	125	125	0	125	7153.73	112
	Sep 2017	41	116	3	119	119	0	119	7153.73	112
	WY 2017	**1038**	**877**	**84**	**961**	**961**	**0**	**961**		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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Managing Water in the West

October 2015 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)
*	Oct 2014	61	68	5	73	74	0	74	6745.88	15	48	27
H	Nov 2014	43	26	5	30	29	0	30	6748.06	16	0	29
I	Dec 2014	39	56	5	61	61	0	61	6746.42	15	1	62
S	Jan 2015	35	60	5	64	55	9	64	6746.05	15	1	65
T	Feb 2015	34	31	4	35	11	22	33	6751.96	17	0	34
O	Mar 2015	63	28	6	35	35	0	35	6752.00	17	1	34
R	Apr 2015	85	51	7	58	58	0	58	6751.65	17	37	21
I	May 2015	164	84	13	97	90	6	96	6752.09	17	62	36
C	Jun 2015	429	211	41	253	110	78	252	6755.80	18	55	205
A	Jul 2015	143	148	9	156	114	44	158	6751.21	16	65	95
L	Aug 2015	63	106	4	110	110	0	111	6749.17	16	65	47
*	Sep 2015	42	103	3	106	96	11	107	6744.61	15	57	49
	WY 2015	**1201**	**972**	**106**	**1078**	**843**	**171**	**1078**			**393**	**705**
	Oct 2015	38	72	3	75	73	0	73	6753.04	17	30	43
	Nov 2015	33	45	3	48	48	0	48	6753.04	17	0	48
	Dec 2015	29	112	3	115	115	0	115	6753.04	17	0	115
	Jan 2016	27	59	3	62	62	0	62	6753.04	17	0	62
	Feb 2016	24	43	3	46	46	0	46	6753.04	17	0	46
	Mar 2016	41	37	5	42	42	0	42	6753.04	17	5	37
	Apr 2016	85	57	9	66	66	0	66	6753.04	17	30	36
	May 2016	220	138	25	163	134	29	163	6753.04	17	55	108
	Jun 2016	260	71	25	96	96	0	96	6753.04	17	60	36
	Jul 2016	90	96	6	102	102	0	102	6753.04	17	65	37
	Aug 2016	55	109	5	114	114	0	114	6753.04	17	65	49
	Sep 2016	43	98	5	103	103	0	103	6753.04	17	55	48
	WY 2016	**945**	**937**	**95**	**1032**	**1001**	**29**	**1030**			**365**	**665**
	Oct 2016	44	49	5	55	55	0	55	6753.04	17	30	25
	Nov 2016	37	20	4	24	24	0	24	6753.04	17	0	24
	Dec 2016	32	74	5	79	79	0	79	6753.04	17	0	79
	Jan 2017	31	87	5	92	92	0	92	6753.04	17	0	92
	Feb 2017	29	63	4	66	66	0	66	6753.04	17	0	66
	Mar 2017	46	30	6	36	36	0	36	6753.04	17	5	31
	Apr 2017	101	50	12	63	63	0	63	6753.04	17	30	33
	May 2017	281	136	34	170	134	36	170	6753.04	17	55	115
	Jun 2017	315	92	34	126	126	0	126	6753.04	17	60	66
	Jul 2017	138	116	14	130	130	0	130	6753.04	17	65	65
	Aug 2017	75	125	8	134	134	0	134	6753.04	17	65	69
	Sep 2017	47	119	6	125	125	0	125	6753.04	17	55	70
	WY 2017	**1176**	**961**	**139**	**1100**	**1064**	**36**	**1100**			**365**	**735**

* 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

October 2015 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)
*	Oct 2014	23	5	7650.16	87
H	Nov 2014	10	3	7652.74	94
I	Dec 2014	6	4	7653.53	96
S	Jan 2015	6	5	7654.18	97
T	Feb 2015	7	4	7655.19	100
O	Mar 2015	13	12	7655.67	101
R	Apr 2015	19	11	7658.49	108
I	May 2015	43	31	7662.94	120
C	Jun 2015	106	103	7664.05	123
A	Jul 2015	37	42	7661.73	117
L	Aug 2015	13	35	7652.83	94
*	Sep 2015	11	29	7645.08	75
	WY 2015	**294**	**285**		
	Oct 2015	10	17	7641.54	68
	Nov 2015	7	1	7644.00	73
	Dec 2015	6	2	7645.93	77
	Jan 2016	5	2	7647.39	81
	Feb 2016	4	1	7648.44	83
	Mar 2016	6	2	7650.02	87
	Apr 2016	14	1	7654.98	99
	May 2016	57	33	7664.11	123
	Jun 2016	61	61	7663.76	122
	Jul 2016	26	41	7657.66	106
	Aug 2016	17	38	7649.13	85
	Sep 2016	15	29	7642.78	70
	WY 2016	**227**	**229**		
	Oct 2016	14	16	7641.65	68
	Nov 2016	8	1	7644.70	75
	Dec 2016	6	2	7646.77	79
	Jan 2017	5	2	7648.38	83
	Feb 2017	5	1	7649.75	86
	Mar 2017	9	2	7652.57	93
	Apr 2017	23	1	7661.00	115
	May 2017	71	63	7664.11	123
	Jun 2017	70	70	7664.06	123
	Jul 2017	29	42	7659.09	110
	Aug 2017	20	38	7651.77	91
	Sep 2017	17	30	7646.52	79
	WY 2017	**279**	**267**		

* 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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Managing Water in the West

October 2015 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)
*	Oct 2014	68	1	46	1	7	21	6038.47	1096	65
H	Nov 2014	28	0	21	1	0	21	6038.43	1096	46
I	Dec 2014	19	0	17	1	0	21	6037.94	1091	45
S	Jan 2015	23	0	21	1	0	21	6037.90	1090	42
T	Feb 2015	28	1	25	1	0	19	6038.43	1096	41
O	Mar 2015	86	7	79	1	3	20	6043.43	1150	57
R	Apr 2015	80	8	63	2	20	21	6045.22	1170	39
I	May 2015	178	24	144	3	23	21	6053.44	1267	92
C	Jun 2015	285	38	241	4	20	22	6068.60	1461	253
A	Jul 2015	76	9	71	5	39	27	6068.68	1462	92
L	Aug 2015	15	1	36	4	33	43	6065.47	1419	63
*	Sep 2015	15	0	34	3	25	33	6063.41	1392	66
	WY 2015	**901**	**90**	**798**	**27**	**170**	**290**			**902**
	Oct 2015	25	0	33	2	9	25	6063.23	1389	42
	Nov 2015	27	0	21	1	0	24	6062.96	1386	38
	Dec 2015	22	0	18	1	0	25	6062.37	1378	38
	Jan 2016	19	0	16	1	0	25	6061.62	1368	36
	Feb 2016	23	0	20	1	0	22	6061.41	1366	32
	Mar 2016	58	1	53	2	5	25	6063.05	1387	41
	Apr 2016	118	13	92	3	20	38	6065.50	1419	75
	May 2016	260	38	198	4	34	224	6060.65	1356	354
	Jun 2016	185	32	154	4	49	212	6051.64	1245	335
	Jul 2016	45	6	54	4	53	25	6049.29	1217	76
	Aug 2016	33	1	52	3	45	25	6047.53	1197	57
	Sep 2016	35	1	49	3	25	24	6047.31	1194	50
	WY 2016	**850**	**93**	**759**	**27**	**238**	**691**			**1171**
	Oct 2016	41	1	42	2	9	25	6047.87	1201	49
	Nov 2016	31	1	24	1	0	24	6047.80	1200	41
	Dec 2016	25	0	20	1	0	25	6047.37	1195	40
	Jan 2017	22	0	18	1	0	25	6046.76	1188	38
	Feb 2017	30	0	27	1	0	22	6047.09	1192	35
	Mar 2017	92	2	83	1	5	25	6051.56	1244	47
	Apr 2017	170	15	133	2	20	24	6058.72	1332	76
	May 2017	277	41	227	4	34	97	6065.90	1425	243
	Jun 2017	224	33	190	4	49	161	6064.06	1400	313
	Jul 2017	66	7	71	5	53	34	6062.50	1380	102
	Aug 2017	45	1	62	4	45	47	6059.88	1346	85
	Sep 2017	43	1	55	3	25	69	6056.49	1304	102
	WY 2017	**1067**	**103**	**952**	**27**	**239**	**577**			**1170**

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October 2015 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)
*	Oct 2014	716	636	34	598	0	598	3605.57	5037	12290	613
H	Nov 2014	423	420	32	645	132	777	3601.87	5008	11929	780
I	Dec 2014	409	465	25	864	0	864	3597.75	4977	11537	880
S	Jan 2015	348	449	8	862	0	862	3593.57	4945	11147	878
T	Feb 2015	424	464	8	589	0	589	3592.23	4936	11024	595
O	Mar 2015	552	543	14	649	0	649	3591.02	4927	10913	656
R	Apr 2015	639	539	21	600	0	600	3590.18	4921	10837	610
I	May 2015	1613	1431	25	699	0	699	3597.27	4973	11491	708
C	Jun 2015	3389	2570	44	800	0	800	3613.54	5101	13090	801
A	Jul 2015	1072	1002	55	1048	0	1048	3612.62	5093	12996	1079
L	Aug 2015	313	466	54	799	0	799	3609.07	5065	12637	821
*	Sep 2015	276	435	49	714	0	714	3606.01	5040	12333	732
	WY 2015	**10174**	**9419**	**368**	**8868**	**132**	**9000**				**9154**
	Oct 2015	350	480	33	600	0	600	3604.56	5029	12191	609
	Nov 2015	350	452	32	600	0	600	3602.85	5016	12024	606
	Dec 2015	280	473	25	800	0	800	3599.46	4990	11698	806
	Jan 2016	280	419	8	800	0	800	3595.64	4961	11339	809
	Feb 2016	320	430	8	650	0	650	3593.36	4944	11127	655
	Mar 2016	500	438	14	650	0	650	3591.08	4927	10918	656
	Apr 2016	750	614	21	600	0	600	3591.00	4927	10912	610
	May 2016	1800	1709	26	650	0	650	3601.23	5003	11868	658
	Jun 2016	2350	2121	44	800	0	800	3613.15	5098	13050	809
	Jul 2016	800	752	54	1000	0	1000	3610.39	5075	12770	1015
	Aug 2016	350	462	53	1050	0	1050	3604.42	5028	12177	1067
	Sep 2016	320	432	47	800	0	800	3600.45	4997	11793	813
	WY 2016	**8450**	**8782**	**366**	**9000**	**0**	**9000**				**9113**
	Oct 2016	438	478	32	600	0	600	3598.95	4986	11650	609
	Nov 2016	439	457	31	600	0	600	3597.25	4973	11490	606
	Dec 2016	363	464	24	800	0	800	3593.67	4946	11156	806
	Jan 2017	361	475	7	800	0	800	3590.31	4922	10848	809
	Feb 2017	393	460	8	650	0	650	3588.28	4907	10665	655
	Mar 2017	665	583	13	650	0	650	3587.45	4901	10591	656
	Apr 2017	1056	860	21	600	0	600	3589.91	4919	10812	610
	May 2017	2343	2028	26	650	0	650	3603.26	5019	12064	658
	Jun 2017	2666	2294	45	800	0	800	3616.60	5126	13406	809
	Jul 2017	1091	1000	56	1000	0	1000	3616.10	5122	13354	1015
	Aug 2017	500	616	55	1050	0	1050	3611.69	5086	12902	1067
	Sep 2017	408	578	50	800	0	800	3609.20	5066	12650	813
	WY 2017	**10723**	**10295**	**369**	**9000**	**0**	**9000**				**9113**

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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)
*	Oct 2014	598	68	43	472	7.7	21	461	666	1082.79	10244
H	Nov 2014	777	44	43	695	11.7	13	692	670	1083.57	10309
I	Dec 2014	864	56	37	493	8.0	8	492	693	1087.79	10667
S	Jan 2015	862	73	31	832	13.5	6	832	697	1088.51	10729
T	Feb 2015	589	90	28	600	10.8	8	599	700	1088.98	10769
O	Mar 2015	649	57	31	1034	16.8	14	1033	677	1084.87	10419
R	Apr 2015	600	26	38	1087	18.3	20	1086	646	1079.03	9931
I	May 2015	699	25	43	871	14.2	25	862	632	1076.57	9729
C	Jun 2015	800	16	52	868	14.6	25	868	624	1075.08	9607
A	Jul 2015	1048	80	65	767	12.5	28	766	641	1078.15	9858
L	Aug 2015	799	115	70	803	13.1	27	802	642	1078.31	9871
*	Sep 2015	714	73	58	723	12.1	25	722	641	1078.10	9854
	WY 2015	**9000**	**724**	**540**	**9246**		**222**	**9216**			
	Oct 2015	600	61	42	617	10.0	21	617	639	1077.89	9837
	Nov 2015	600	50	42	601	10.1	12	601	639	1077.84	9832
	Dec 2015	800	96	36	569	9.3	8	569	656	1081.05	10098
	Jan 2016	800	72	30	696	11.3	8	696	665	1082.60	10228
	Feb 2016	650	77	28	627	10.9	7	627	669	1083.34	10290
	Mar 2016	650	61	31	1021	16.6	15	1021	647	1079.33	9956
	Apr 2016	600	76	38	1094	18.4	21	1094	618	1073.85	9508
	May 2016	650	49	42	1000	16.3	29	1000	595	1069.49	9159
	Jun 2016	800	23	50	928	15.6	30	928	584	1067.29	8985
	Jul 2016	1000	67	63	878	14.3	31	878	590	1068.43	9075
	Aug 2016	1050	127	68	782	12.7	29	782	608	1071.95	9355
	Sep 2016	800	114	56	722	12.1	16	722	615	1073.35	9468
	WY 2016	**9000**	**874**	**526**	**9534**		**225**	**9534**			
	Oct 2016	600	61	41	482	7.8	20	482	623	1074.72	9578
	Nov 2016	600	50	41	627	10.5	11	627	621	1074.38	9551
	Dec 2016	800	96	36	556	9.0	7	556	639	1077.80	9830
	Jan 2017	800	72	30	699	11.4	8	699	647	1079.34	9956
	Feb 2017	650	77	27	627	11.3	7	627	651	1080.08	10018
	Mar 2017	650	61	30	1025	16.7	15	1025	629	1075.97	9680
	Apr 2017	600	76	37	1098	18.5	21	1098	600	1070.37	9229
	May 2017	650	49	42	1004	16.3	30	1004	577	1065.89	8876
	Jun 2017	800	23	50	931	15.7	30	931	565	1063.61	8700
	Jul 2017	1000	67	62	881	14.3	31	881	571	1064.74	8787
	Aug 2017	1050	127	66	786	12.8	29	786	589	1068.29	9064
	Sep 2017	800	114	55	726	12.2	16	726	596	1069.66	9173
	WY 2017	**9000**	**874**	**518**	**9442**		**227**	**9442**			

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

Model Run ID: 2207

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2015 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)
*	Oct 2014	472	10	15	642	0	642	10.4	634.40	1470
H	Nov 2014	695	-6	10	629	0	629	10.6	636.32	1520
I	Dec 2014	493	-2	9	445	0	445	7.2	637.75	1558
S	Jan 2015	832	-22	10	660	0	660	10.7	642.98	1698
T	Feb 2015	600	-8	10	625	0	625	11.3	641.43	1656
O	Mar 2015	1034	-21	13	963	0	963	15.7	642.78	1693
R	Apr 2015	1087	-21	17	1022	0	1022	17.2	643.88	1723
I	May 2015	871	-10	22	854	0	854	13.9	643.30	1707
C	Jun 2015	868	-19	26	810	0	810	13.6	643.81	1721
A	Jul 2015	767	-14	25	762	0	762	12.4	642.57	1687
L	Aug 2015	803	-16	23	775	0	775	12.6	642.12	1675
*	Sep 2015	723	-16	18	758	0	758	12.7	639.56	1606
	WY 2015	**9246**	**-145**	**198**	**8945**	**0**	**8945**			
	Oct 2015	617	1	15	697	0	697	11.3	636.00	1512
	Nov 2015	601	-11	10	567	0	567	9.5	636.50	1525
	Dec 2015	569	-12	9	490	0	490	8.0	638.71	1583
	Jan 2016	696	-13	10	590	0	590	9.6	641.80	1666
	Feb 2016	627	-13	10	604	0	604	10.5	641.80	1666
	Mar 2016	1021	-15	13	959	0	959	15.6	643.05	1700
	Apr 2016	1094	-19	17	1060	0	1060	17.8	643.00	1699
	May 2016	1000	-15	22	963	0	963	15.7	643.00	1699
	Jun 2016	928	-17	25	912	0	912	15.3	642.00	1671
	Jul 2016	878	-13	25	853	0	853	13.9	641.50	1658
	Aug 2016	782	-10	23	749	0	749	12.2	641.50	1658
	Sep 2016	722	-6	18	738	0	738	12.4	640.01	1617
	WY 2016	**9534**	**-143**	**197**	**9182**	**0**	**9182**			
	Oct 2016	482	1	15	651	0	651	10.6	633.00	1434
	Nov 2016	627	-11	10	555	0	555	9.3	635.00	1486
	Dec 2016	556	-12	9	438	0	438	7.1	638.71	1583
	Jan 2017	699	-13	10	594	0	594	9.7	641.80	1666
	Feb 2017	627	-13	10	604	0	604	10.9	641.80	1666
	Mar 2017	1025	-15	13	963	0	963	15.7	643.05	1700
	Apr 2017	1098	-19	17	1064	0	1064	17.9	643.00	1699
	May 2017	1004	-15	22	967	0	967	15.7	643.00	1699
	Jun 2017	931	-17	25	916	0	916	15.4	642.00	1671
	Jul 2017	881	-13	25	856	0	856	13.9	641.50	1658
	Aug 2017	786	-10	23	753	0	753	12.2	641.50	1658
	Sep 2017	726	-6	18	742	0	742	12.5	640.01	1617
	WY 2017	**9442**	**-143**	**197**	**9102**	**0**	**9102**			

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2015 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Oct 2014	642	16	12	432	7.0	105	135	446.41	550	65	1.1
H	Nov 2014	629	9	9	351	5.9	102	147	447.77	576	89	1.5
I	Dec 2014	445	18	7	240	3.9	109	132	446.36	549	98	1.6
S	Jan 2015	660	17	6	348	5.7	105	180	448.22	584	146	2.4
T	Feb 2015	625	9	8	473	8.5	54	109	447.38	568	172	3.1
O	Mar 2015	963	3	9	707	11.5	86	146	447.89	578	219	3.6
R	Apr 2015	1022	15	11	752	12.6	104	154	448.09	582	210	3.5
I	May 2015	854	21	13	559	9.1	108	177	448.50	590	113	1.8
C	Jun 2015	810	19	16	615	10.3	104	77	448.89	597	109	1.8
A	Jul 2015	762	17	17	592	9.6	107	70	447.99	580	107	1.7
L	Aug 2015	775	16	17	580	9.4	107	70	448.30	586	93	1.5
*	Sep 2015	758	20	15	487	8.2	104	168	448.04	581	90	1.5
	WY 2015	**8945**	**181**	**140**	**6135**		**1195**	**1566**			**1510**	
	Oct 2015	697	25	12	486	7.9	105	117	447.80	576	58	1.0
	Nov 2015	567	27	9	365	6.1	94	127	447.50	571	92	1.6
	Dec 2015	490	21	7	290	4.7	97	132	446.50	552	104	1.7
	Jan 2016	590	18	6	347	5.6	85	164	446.50	552	130	2.1
	Feb 2016	604	11	8	438	7.6	79	83	446.50	552	161	2.8
	Mar 2016	959	15	9	729	11.9	85	137	446.70	555	205	3.3
	Apr 2016	1060	23	11	784	13.2	82	160	448.70	593	205	3.4
	May 2016	963	17	13	704	11.4	85	165	448.70	593	113	1.8
	Jun 2016	912	15	16	700	11.8	82	116	448.70	593	111	1.9
	Jul 2016	853	29	17	702	11.4	85	78	448.00	580	119	1.9
	Aug 2016	749	27	17	595	9.7	85	77	447.50	571	100	1.6
	Sep 2016	738	23	15	540	9.1	82	115	447.50	570	89	1.5
	WY 2016	**9182**	**252**	**139**	**6680**		**1043**	**1473**			**1489**	
	Oct 2016	651	25	12	450	7.3	85	122	447.50	571	55	0.9
	Nov 2016	555	27	9	367	6.2	82	119	447.50	571	103	1.7
	Dec 2016	438	21	7	276	4.5	85	106	446.50	552	108	1.7
	Jan 2017	594	18	6	347	5.6	79	174	446.50	552	130	2.1
	Feb 2017	604	11	8	438	7.9	70	93	446.50	552	161	2.9
	Mar 2017	963	15	9	730	11.9	79	147	446.70	555	205	3.3
	Apr 2017	1064	23	11	784	13.2	76	169	448.70	593	205	3.4
	May 2017	967	17	13	704	11.4	79	175	448.70	593	113	1.8
	Jun 2017	916	15	16	700	11.8	76	126	448.70	593	111	1.9
	Jul 2017	856	29	17	702	11.4	79	87	448.00	580	119	1.9
	Aug 2017	753	27	17	595	9.7	79	86	447.50	571	100	1.6
	Sep 2017	742	23	15	540	9.1	76	125	447.50	570	89	1.5
	WY 2017	**9102**	**252**	**139**	**6632**		**943**	**1530**			**1500**	

* 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

October 2015 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
*	Oct 2014	472	7.7	1082.79	10244	122	442.74	1282.0	180.0	81	381.5
H	Nov 2014	695	11.7	1083.57	10309	65	437.62	1079.0	270.7	68	389.5
I	Dec 2014	493	8.0	1087.79	10667	358	446.86	889.0	189.0	55	383.3
S	Jan 2015	832	13.5	1088.51	10729	62	441.51	1018.0	333.5	63	400.6
T	Feb 2015	600	10.8	1088.98	10769	40	444.73	848.0	239.1	52	398.4
O	Mar 2015	1034	16.8	1084.87	10419	-350	440.21	952.0	412.2	60	398.7
R	Apr 2015	1087	18.3	1079.03	9931	-488	430.55	1217.0	427.4	76	393.2
I	May 2015	871	14.2	1076.57	9729	-202	432.58	1165.0	337.2	74	387.2
C	Jun 2015	868	14.6	1075.08	9607	-121	427.78	1573.0	332.0	100	382.4
A	Jul 2015	767	12.5	1078.15	9858	251	432.42	1455.0	292.7	94	381.4
L	Aug 2015	803	13.1	1078.31	9871	13	434.75	1451.0	307.8	93	383.4
*	Sep 2015	723	12.1	1078.10	9854	-17	435.36	1088.0	275.2	70	380.7
	WY 2015	**9246**							**3596.9**		
	Oct 2015	617	10.0	1077.89	9837	-17	431.19	1088.0	238.8	70	387.2
	Nov 2015	601	10.1	1077.84	9832	-4	430.88	1258.0	231.8	81	385.4
	Dec 2015	569	9.3	1081.05	10098	265	432.92	1075.0	219.0	68	384.8
	Jan 2016	696	11.3	1082.60	10228	130	434.95	875.0	275.3	55	395.8
	Feb 2016	627	10.9	1083.34	10290	62	434.35	987.0	244.8	62	390.6
	Mar 2016	1021	16.6	1079.33	9956	-334	431.68	1066.0	404.2	68	395.9
	Apr 2016	1094	18.4	1073.85	9508	-448	424.82	1297.0	425.6	84	388.9
	May 2016	1000	16.3	1069.49	9159	-350	418.97	1419.0	374.5	93	374.4
	Jun 2016	928	15.6	1067.29	8985	-173	415.35	1506.0	347.4	100	374.5
	Jul 2016	878	14.3	1068.43	9075	90	415.31	1513.0	332.2	100	378.5
	Aug 2016	782	12.7	1071.95	9355	280	417.78	1533.0	294.4	100	376.3
	Sep 2016	722	12.1	1073.35	9468	112	420.70	1542.0	272.1	100	376.9
	WY 2016	**9534**							**3660.1**		
	Oct 2016	482	7.8	1074.72	9578	111	425.60	1344.0	183.2	87	380.4
	Nov 2016	627	10.5	1074.38	9551	-27	428.30	1358.0	237.1	88	378.0
	Dec 2016	556	9.0	1077.80	9830	279	430.57	994.0	212.8	63	382.7
	Jan 2017	699	11.4	1079.34	9956	127	430.83	997.0	272.3	63	389.5
	Feb 2017	627	11.3	1080.08	10018	62	431.01	992.0	244.0	63	389.4
	Mar 2017	1025	16.7	1075.97	9680	-338	428.39	1046.6	403.1	68	393.1
	Apr 2017	1098	18.5	1070.37	9229	-451	421.43	1272.4	423.7	84	385.9
	May 2017	1004	16.3	1065.89	8876	-353	415.46	1390.5	372.8	93	371.4
	Jun 2017	931	15.7	1063.61	8700	-176	411.75	1475.6	345.8	100	371.3
	Jul 2017	881	14.3	1064.74	8787	87	411.67	1482.0	330.5	100	375.1
	Aug 2017	786	12.8	1068.29	9064	278	414.14	1502.0	293.1	100	373.1
	Sep 2017	726	12.2	1069.66	9173	109	417.06	1509.7	271.5	100	373.9
	WY 2017	**9442**							**3590.0**		

* 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

October 2015 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
*	Oct 2014	642	10.4	634.40	1470	-175	134.93	191.3	72.3	75	112.7
H	Nov 2014	629	10.6	636.32	1520	50	136.47	158.1	74.4	62	118.2
I	Dec 2014	445	7.2	637.75	1558	37	134.54	165.8	52.7	65	118.4
S	Jan 2015	660	10.7	642.98	1698	141	141.44	163.2	82.8	64	125.4
T	Feb 2015	625	11.3	641.43	1656	-42	140.07	188.7	79.9	74	127.8
O	Mar 2015	963	15.7	642.78	1693	37	139.75	229.5	123.2	90	128.0
R	Apr 2015	1022	17.2	643.88	1723	30	141.00	255.0	129.5	100	126.8
I	May 2015	854	13.9	643.30	1707	-16	141.92	252.5	110.0	99	128.8
C	Jun 2015	810	13.6	643.81	1721	14	144.85	255.0	104.6	100	129.1
A	Jul 2015	762	12.4	642.57	1687	-34	140.97	255.0	98.4	100	129.1
L	Aug 2015	775	12.6	642.12	1675	-12	142.40	255.0	99.2	100	127.9
*	Sep 2015	758	12.7	639.56	1606	-69	137.76	255.0	95.5	100	126.0
	WY 2015	**8945**							**1122.4**		
	Oct 2015	697	11.3	636.00	1512	-94	132.11	201.5	84.9	79	121.8
	Nov 2015	567	9.5	636.50	1525	13	132.15	153.0	68.7	60	121.1
	Dec 2015	490	8.0	638.71	1583	58	133.38	158.1	60.2	62	122.9
	Jan 2016	590	9.6	641.80	1666	83	136.05	160.7	73.5	63	124.7
	Feb 2016	604	10.5	641.80	1666	0	136.69	188.7	75.9	74	125.7
	Mar 2016	959	15.6	643.05	1700	34	136.49	216.8	119.4	85	124.6
	Apr 2016	1060	17.8	643.00	1699	-2	136.07	255.0	131.9	100	124.5
	May 2016	963	15.7	643.00	1699	0	136.04	255.0	120.4	100	125.1
	Jun 2016	912	15.3	642.00	1671	-27	135.51	255.0	113.8	100	124.7
	Jul 2016	853	13.9	641.50	1658	-14	134.73	255.0	106.1	100	124.5
	Aug 2016	749	12.2	641.50	1658	0	134.46	255.0	93.5	100	124.8
	Sep 2016	738	12.4	640.01	1617	-40	133.68	255.0	91.6	100	124.1
	WY 2016	**9182**							**1140.1**		
	Oct 2016	651	10.6	633.00	1434	-183	129.77	234.6	78.8	92	120.9
	Nov 2016	555	9.3	635.00	1486	51	128.06	204.0	66.1	80	119.1
	Dec 2016	438	7.1	638.71	1583	97	130.45	224.4	53.6	88	122.6
	Jan 2017	594	9.7	641.80	1666	83	135.03	191.3	74.0	75	124.6
	Feb 2017	604	10.9	641.80	1666	0	137.09	176.0	75.8	69	125.6
	Mar 2017	963	15.7	643.05	1700	34	135.44	255.0	119.9	100	124.6
	Apr 2017	1064	17.9	643.00	1699	-2	136.07	255.0	132.4	100	124.4
	May 2017	967	15.7	643.00	1699	0	136.04	255.0	120.9	100	125.1
	Jun 2017	916	15.4	642.00	1671	-27	135.51	255.0	114.2	100	124.7
	Jul 2017	856	13.9	641.50	1658	-14	134.73	255.0	106.6	100	124.5
	Aug 2017	753	12.2	641.50	1658	0	134.46	255.0	93.9	100	124.8
	Sep 2017	742	12.5	640.01	1617	-40	133.68	255.0	92.1	100	124.1
	WY 2017	**9102**							**1128.4**		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2015 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
*	Oct 2014	432	7.0	446.41	550	-33	80.56	91.2	30.8	76	71.3
H	Nov 2014	351	5.9	447.77	576	25	81.18	96.0	24.4	80	69.4
I	Dec 2014	240	3.9	446.36	549	-26	81.87	120.0	15.5	100	64.8
S	Jan 2015	348	5.7	448.22	584	35	82.97	93.6	24.3	78	69.7
T	Feb 2015	473	8.5	447.38	568	-16	81.70	94.8	33.2	79	70.2
O	Mar 2015	707	11.5	447.89	578	10	79.76	108.0	49.6	90	70.2
R	Apr 2015	752	12.6	448.09	582	4	80.20	120.0	52.5	100	69.8
I	May 2015	559	9.1	448.50	590	8	81.62	112.8	39.5	94	70.7
C	Jun 2015	615	10.3	448.89	597	7	79.48	120.0	43.6	100	70.8
A	Jul 2015	592	9.6	447.99	580	-17	81.75	120.0	41.8	100	70.7
L	Aug 2015	580	9.4	448.30	586	6	82.40	120.0	40.9	100	70.4
*	Sep 2015	487	8.2	448.04	581	-5	82.23	120.0	34.6	100	71.1
	WY 2015	**6135**							**430.7**		
	Oct 2015	486	7.9	447.80	576	-4	76.15	100.8	32.0	84	65.8
	Nov 2015	365	6.1	447.50	571	-6	76.07	97.2	23.7	81	65.0
	Dec 2015	290	4.7	446.50	552	-19	74.40	120.0	18.2	100	62.7
	Jan 2016	347	5.6	446.50	552	0	75.13	93.6	22.3	78	64.1
	Feb 2016	438	7.6	446.50	552	0	74.71	102.0	28.4	85	64.7
	Mar 2016	729	11.9	446.70	555	4	74.01	120.0	47.4	100	65.0
	Apr 2016	784	13.2	448.70	593	38	75.08	120.0	51.7	100	66.0
	May 2016	704	11.4	448.70	593	0	76.05	120.0	46.8	100	66.5
	Jun 2016	700	11.8	448.70	593	0	76.05	120.0	46.6	100	66.5
	Jul 2016	702	11.4	448.00	580	-13	75.71	120.0	46.5	100	66.2
	Aug 2016	595	9.7	447.50	571	-9	75.13	120.0	39.0	100	65.4
	Sep 2016	540	9.1	447.50	570	0	74.89	120.0	35.2	100	65.1
	WY 2016	**6680**							**437.5**		
	Oct 2016	450	7.3	447.50	571	0	75.74	100.8	29.4	84	65.3
	Nov 2016	367	6.2	447.50	571	0	75.92	97.2	23.8	81	64.9
	Dec 2016	276	4.5	446.50	552	-19	74.40	120.0	17.2	100	62.5
	Jan 2017	347	5.6	446.50	552	0	74.89	98.4	22.2	82	63.9
	Feb 2017	438	7.9	446.50	552	0	75.07	94.8	28.5	79	65.1
	Mar 2017	730	11.9	446.70	555	4	74.01	120.0	47.4	100	65.0
	Apr 2017	784	13.2	448.70	593	38	75.08	120.0	51.7	100	66.0
	May 2017	704	11.4	448.70	593	0	76.05	120.0	46.8	100	66.5
	Jun 2017	700	11.8	448.70	593	0	76.05	120.0	46.6	100	66.5
	Jul 2017	702	11.4	448.00	580	-13	75.71	120.0	46.5	100	66.2
	Aug 2017	595	9.7	447.50	571	-9	75.13	120.0	39.0	100	65.4
	Sep 2017	540	9.1	447.50	570	0	74.89	120.0	35.2	100	65.1
	WY 2017	**6632**							**434.2**		

* 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

October 2015 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
*	Oct 2014	264	36	18	17	14	7
H	Nov 2014	281	30	7	7	4	6
I	Dec 2014	377	43	15	19	11	6
S	Jan 2015	373	48	16	20	10	6
T	Feb 2015	254	44	8	10	2	5
O	Mar 2015	278	48	7	9	5	6
	Winter 2015	**1827**	**250**	**72**	**83**	**46**	**37**
R	Apr 2015	256	28	13	17	11	7
I	May 2015	299	65	21	30	18	8
C	Jun 2015	348	40	38	67	21	9
A	Jul 2015	471	42	41	53	22	8
L	Aug 2015	357	42	32	38	21	7
*	Sep 2015	317	40	28	37	18	0
	Summer 2015	**2049**	**256**	**173**	**241**	**111**	**39**
	Oct 2015	239	48	25	26	12	5
	Nov 2015	238	48	14	16	8	5
	Dec 2015	316	49	33	40	20	5
	Jan 2016	313	49	17	21	11	4
	Feb 2016	253	46	12	15	8	4
	Mar 2016	252	19	10	13	7	4
	Winter 2016	**1610**	**260**	**111**	**132**	**66**	**27**
	Apr 2016	232	17	14	21	11	5
	May 2016	254	40	35	50	23	6
	Jun 2016	320	54	17	26	17	8
	Jul 2016	403	33	29	35	18	10
	Aug 2016	420	33	33	39	20	7
	Sep 2016	317	32	29	35	18	6
	Summer 2016	**1945**	**210**	**156**	**205**	**106**	**42**
	Oct 2016	236	33	14	18	9	6
	Nov 2016	235	32	5	7	4	6
	Dec 2016	312	33	21	27	14	6
	Jan 2017	309	33	25	31	16	5
	Feb 2017	250	30	17	23	11	4
	Mar 2017	249	33	7	11	6	5
	Winter 2017	**1592**	**194**	**90**	**116**	**61**	**32**
	Apr 2017	230	32	11	18	11	5
	May 2017	254	54	32	49	23	7
	Jun 2017	322	69	22	33	22	9
	Jul 2017	407	36	35	42	23	10
	Aug 2017	425	36	38	45	23	10
	Sep 2017	322	35	36	43	22	9
	Summer 2017	**1639**	**227**	**138**	**187**	**101**	**40**

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
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October 2015 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****							****CREDITABLE SPACE****										
Oct 2015	389	104	304	11989	12787	17523	30310	389	104	304	798	11989	17523	30310	3040	617	0	30.0
Nov 2015	482	149	307	12131	13069	17540	30609	482	149	307	938	12131	17540	30609	3810	601	0	29.7
Dec 2015	573	164	310	12298	13345	17545	30889	573	164	310	1047	12298	17545	30889	4580	569	0	29.5
Jan 2016	678	248	318	12624	13867	17279	31146	678	248	318	1244	12624	17279	31146	5350	696	0	29.2
								****EFFECTIVE SPACE****										
Jan 2016	678	248	318	12624	13867	17279	31146	260	170	17	447	12624	17279	30349	5350	696	0	29.2
Feb 2016	776	282	328	12983	14368	17149	31517	358	205	26	589	12983	17149	30722	1500	627	0	29.0
Mar 2016	864	302	330	13195	14691	17087	31778	447	227	27	701	13195	17087	30984	1500	1021	0	28.5
Apr 2016	833	301	309	13404	14847	17421	32268	411	228	-1	638	13404	17421	31463	1500	1094	0	28.2
May 2016	772	283	277	13410	14742	17869	32611	341	209	-55	495	13410	17869	31775	1500	1000	0	28.9
Jun 2016	712	245	340	12454	13751	18218	31970	272	152	-29	395	12454	18218	31067	1500	928	0	30.0
Jul 2016	552	102	451	11272	12377	18392	30769	99	-12	30	117	11272	18392	29780	1500	878	0	29.9
								****CREDITABLE SPACE****										
Aug 2016	471	109	479	11552	12611	18302	30912	471	109	479	1059	11552	18302	30912	1500	782	0	29.4
Sep 2016	501	159	499	12145	13304	18022	31326	501	159	499	1159	12145	18022	31326	2270	722	0	29.0
Oct 2016	551	212	502	12529	13794	17909	31703	551	212	502	1264	12529	17909	31703	3040	482	0	28.7
Nov 2016	594	217	495	12672	13977	17799	31776	594	217	495	1306	12672	17799	31776	3810	627	0	28.6
Dec 2016	635	203	496	12832	14167	17826	31993	635	203	496	1335	12832	17826	31993	4580	556	0	28.5
Jan 2017	693	248	501	13166	14608	17547	32155	693	248	501	1442	13166	17547	32155	5350	699	0	28.3
								****EFFECTIVE SPACE****										
Jan 2017	693	248	501	13166	14608	17547	32155	382	248	363	993	13166	17547	31706	5350	699	0	28.3
Feb 2017	745	307	508	13474	15034	17421	32455	432	307	369	1109	13474	17421	32003	1500	627	0	28.1
Mar 2017	785	343	504	13657	15289	17359	32648	470	343	364	1177	13657	17359	32193	1500	1025	0	27.8
Apr 2017	777	332	452	13731	15292	17697	32989	458	332	306	1096	13731	17697	32524	1500	1098	0	27.8
May 2017	738	297	364	13510	14910	18148	33058	412	297	196	906	13510	18148	32564	1500	1004	0	28.9
Jun 2017	650	201	271	12258	13381	18501	31882	314	196	66	576	12258	18501	31336	1500	931	0	30.4
Jul 2017	463	35	296	10916	11709	18677	30387	112	7	37	156	10916	18677	29750	1500	881	0	30.5
								****CREDITABLE SPACE****										
Aug 2017	370	27	316	10968	11681	18590	30271	370	27	316	713	10968	18590	30271	1500	786	0	30.2
Sep 2017	395	77	350	11420	12242	18313	30555	395	77	350	822	11420	18313	30555	2270	726	0	29.9

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