May 24-Month Study
Date: May 18, 2015

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

Current Reservoir Status

Reservoir	April Inflow (unregulated) (acre-feet)	Percent of Average (%)	May 17, Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	87,000	102	6491.56	238,000
Flaming Gorge	112,000	84	6026.07	3,200,000
Blue Mesa	73,000	95	7493.94	612,000
Navajo	80,000	47	6047.11	1,192,000
Powell	639,000	61	3592.18	11,019,000

Expected Operations

The operation of Lake Powell and Lake Mead in this May 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). Pursuant to the Interim Guidelines, the August 2014 24-Month Study projections of the January 1, 2015, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2015.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2015 is the Upper Elevation Balancing Tier. The April 2015 24-Month Study projected the end of water year elevation at Lake Powell to be above 3,575 feet and the end of water year elevation at Lake Mead to be below elevation 1,075.0 feet. Therefore, in accordance with Section 6.B.4 of the 2007 Interim Guidelines, Lake Powell operations shifted to "balancing releases" for the remainder of water year 2015. Under Section 6.B.4, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this May 24-Month Study projects a balancing release of 9.0 maf in water year 2015; the actual release in water year 2015, however, will depend on hydrology in the remainder of water year and will range from 8.23 to 9.0 maf. The projected release from Lake Powell in water year 2015 will be updated each month throughout the remainder of the water year.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2015.

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.

Fontenelle Reservoir – Inflows to Fontenelle Reservoir for the month of April were 87,000 acre-feet (AF), or 102 percent of average. The current reservoir elevation is 6489 feet, which amounts to 64 percent of live storage capacity. This leaves a volume of 125,000 AF yet to be filled. Over the past week the average inflow rate was 4,010 cubic feet per second (cfs), with daily averages ranging from 2,730 cfs to 5,080 cfs. These flows are exceptionally high for early May and reflect this year's early spring runoff, as well as recent storm activity.

Fontenelle releases were increased from 1,250 cfs to ~1,700 cfs at the end of March, and have been held steady since that time. It is currently anticipated that releases will be reduced to 1,500 cfs on Thursday, May 21st, in response to a significant reduction in the April-July inflow forecast. However, this is subject to change with information provided in the mid-month forecast (expected Monday, May 18th), which will include the impacts of recent regional storm activity.

Reservoir inflows for the next three months are projected to be well below average with May, June, and July forecasted inflow volumes at 158,000 AF (96% of average), 175,000 AF (58% of average), and 75,000 AF (42% of average), respectively. The May final forecast of the April-July inflow volume is 495,000 AF (68% of average). This represents an 85,000 AF reduction since publication of the April final forecast.

The next Fontenelle Working Group meeting is scheduled for 10:00 am, August 26, 2015, at the Joint Powers Water Board, 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 – Unregulated inflow into Flaming Gorge Reservoir during the month of April was 112,000 acre-feet (AF), or 84 percent of average. The reservoir elevation is 6,027 feet. Observed inflows are averaging 2,600 cubic feet per second (cfs).

Razorback sucker larvae were confirmed Friday, May 8, 2015, and Flaming Gorge Dam releases began increasing May 11, 2015. Releases will remain at full power plant (4,600 cfs) and bypass capacity (4,000 cfs) for a total release of 8,600 cfs for a maximum of five days. Flaming Gorge releases will begin decreasing once connection to the nursery floodplain habitat no longer exists or releases have been at 8,600 cfs for five days.

Once decreasing releases have reached power plant capacity (4,600 cfs) the decrease will continue at 350 cfs/day to base flows. The projected base flow release rate varies between 1,100 cfs to 1,540 cfs based on the +/- 40% flexibility outlined in the 2006 Record of Decision.

Inflows for the next three months are projected to be below average: with May, June and July forecasted inflow volumes at 185,000 AF (75% of average), 190,000 AF (49% of average), and 83,000 AF (39% of average), respectively.

The next Flaming Gorge Working Group meeting is scheduled for April 30, 2015, 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 – April unregulated inflow into Blue Mesa Reservoir was 73,000 acre-feet or 95 percent of average. On May 5, 2015 the basin snowpack was 51 percent of average. One week later on May 11, 2015 the basin snowpack was 69 percent of average. This week was very productive with much needed rain and snow. However, the overall winter weather pattern has been dry and warmer than average. Precipitation during April was 80 percent of average. The current inflow rate into Blue Mesa Reservoir is averaging 2,200 cfs while reservoir releases are averaging about 1,800 cfs. The reservoir elevation is currently at 7492.95 feet, which corresponds to a storage content of about 604,000 acre-feet. This elevation is about 6.0 feet higher, or about 47,000 acre-feet more than a year ago.

The latest Water Supply Forecast for Water Year 2015 was issued on May 1st and the April through July unregulated inflow is forecasted to be at 440,000 acre-feet (65% of normal). This sets the senior Black Canyon Water Right call for a one day spring peak flow of 2,054 cfs, and the Aspinall ROD target at an instantaneous peak flow of 4,991 cfs. Reclamation has just completed meeting both of these target flows based on the water right and ROD recommendations. Given this operation and future forecasted flows, Blue Mesa Reservoir is not projected fill this runoff season. The projected fill is calculated to be between 7510 feet and 7512 feet. Any elevation above 7516.00 is considered a fill for the season.

Releases from Crystal are currently ramping down from meeting target peak flows and is scheduled to reach a flow of 1,400 cfs for the rest of May. The Gunnison Diversion Tunnel started taking water for the new season on March 31, 2015. The current diversion rate in the tunnel is 1,000 cfs, which will result in a river flow below the diversion tunnel of approximately 400 cfs. However, these rates will most likely change as conditions warrant, primarily as we respond to changes in hydrologic conditions.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 13, 2015 starting at 1:00 PM at the Elk Creek Visitor Center at Blue Mesa Reservoir. At this meeting, review of this spring's reservoir operations, and plans for this fall and winter operations will be 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 – Reclamation is currently releasing 350 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 6045.2 feet of pool elevation and 1,170,470 acre-feet of storage by the end of April, which was 86% of average for the end of the month. Modified unregulated inflow into Navajo was 80,166 acre-feet, which was 47% of average for the month. Calculated evaporation for the month was 2,199 acre-ft. NIIP diverted a total of 19,793 acre-ft. The release averaged close to 350 cfs throughout the month. Precipitation at the dam totaled 0.65 inches (61% of average).

As of May 7th, the release at Navajo (as measured at the USGS at Archuleta gage) was 350 cfs, and the observed inflow is 2,288 cfs. The reservoir elevation is 6045.95 feet and the content is 1,178,742 acre-feet, or 69% full (50% of Active). The San Juan River at Four Corners USGS gage is at 1,130 cfs, and the Animas River at Farmington USGS gage is at 1,230 cfs. Snotel sites above Navajo are showing 3.3 inches of SWE (22% of median on this date).

The most probable modified-unregulated inflow forecast for May at Navajo is 100,000 acre-feet (36% of average), for June is 40,000 acre-ft (18% of average), and for July is 10,000 acre-feet (15% of average). The April-July modified unregulated inflow forecasts are as follows:

Min Probable: 170,000 acre-feet (23% of average, a decrease of 3,000 af from mid-April)
Most Probable: 230,000 acre-ft (31% of average, a decrease of 50,000 af from mid-April)
Max Probable: 300,000 acre-ft (41% of average, a decrease of 95,000 af from mid-April)

Under all three forecast probabilities, no spring peak release is expected in 2015. The most probable forecast shows the reservoir will peak in early June at an elevation just under 6047 feet (1,190,000 acre-feet), and reach a minimum overwinter storage level near 6035 feet (1,060,000 acre-feet) in winter of 2016.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow volume to Lake Powell in April was 639 thousand acre-feet (kaf) (61% of average). The release volume from Glen Canyon Dam in April was 600 kaf. The end of April elevation and storage of Lake Powell were 3,590.2 feet (110 feet from full pool) and 10.84 million acre-feet (maf) (44% of full capacity), respectively. The reservoir elevation began increasing over the past week as the first of the spring runoff is now entering the reservoir.

Current Operations

The operating tier for water year 2015 was established in August 2014 as the Upper Elevation Balancing Tier. The April 2015 24-Month Study established that Lake Powell operations will be governed by balancing for the remainder of water year 2015. Under balancing, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this May 24-Month Study projects a balancing release of 9.0 maf in water year 2015; the actual release in water year 2015, however, will depend on hydrology in the remainder of water year and will range from 8.23 to 9.0 maf. The projected release from Lake Powell in water year 2015 will be updated each month throughout the remainder of 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, 2015.

In May, the release volume will be approximately 700 kaf, with fluctuations anticipated between about 8,500 cfs in the nighttime to about 14,500 cfs in the daytime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The anticipated release volume for June is 800 kaf with daily fluctuations between approximately 10,000 cfs and 15,000 cfs . The expected release for July is 1,050 kaf with daily fluctuations between approximately 14,000 cfs and 22,000 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 typically 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 2015 water supply forecast for unregulated inflow to Lake Powell, issued on May 4, 2015, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 3.00 maf (42% of average based on the period 1981-2010). The forecast decreased by 750 kaf since last month. At this point in the season, there is still uncertainty regarding the spring runoff and resulting inflow to Lake Powell. The spring runoff forecast ranges from a minimum probable of 2.25 maf (31% of average) to a maximum probable of 4.22 maf (59% of average). There is 10% chance that inflows could be higher than the maximum probable and a 10% chance they could be lower than the minimum probable.

As determined in the August 2014 24-Month Study, and documented in the 2015 Annual Operating Plan, Lake Powell's operations in water year 2015 will be governed by the Upper Elevation Balancing Tier. Because the April 2015 24-Month Study projected the end of water year elevation at Lake Powell to be above 3,575 feet and the end of water year elevation at Lake Mead to be below elevation 1,075.0 feet, Lake Powell operations shifted to balancing (Section 6.B.4 of the 2007 Interim Guidelines) for the remainder of water year 2015. Under balancing, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell.

Based on the May most probable inflow forecast, the annual release volume from Lake Powell during water year 2015 is projected to be 9.0 maf. Under the minimum probable inflow scenario, last update in April, the water year release is projected to be 8.9 maf. Under the maximum probable inflow scenario, last updated in April, the release is projected to be 9.0 maf. There 10% chance that inflows will be lower than the minimum probable forecast, potentially resulting in lower releases. If inflows are less than the minimum probable forecast, the water year 2015 annual release could be as low as 8.23 maf. If inflows are greater than the forecasted maximum probable inflow, the annual release will be 9.0 maf. The projected release from Lake Powell in water year 2015 will be updated each month throughout the remainder of the water year.

Based on the current forecast, the May 24-Month Study projects Lake Powell's end of water year 2015 elevation to be near 3,578 feet with approximately 9.78 maf in storage (40% capacity). Projections of elevation and storage still have uncertainty at this point in the season, primarily due to uncertainty regarding spring runoff and the resulting inflow to Lake Powell. Under the minimum probable inflow scenario, last updated in April, the projected end of water year elevation and storage are 3,574 feet and 9.45 maf (39% capacity), respectively. Under the maximum probable inflow scenario, last updated in

April, the projected end of water year elevation and storage are 3,603 feet and 12.02 maf (49% capacity), respectively. Modeling of projected reservoir operations based on the minimum and maximum scenarios will be updated again in August.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 15-year period 2000 to 2014, 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 15 years. The period 2000-2014 is the lowest 15-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.39 maf, or 78% 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 2000-2014 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 2014 unregulated inflow volume to Lake Powell was 10.381 maf (96% 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 2015 unregulated inflows to Lake Powell is projected to be 6.40 maf (59% of average), and ranges from a minimum probable inflow of 5.9 maf (54%) and maximum probable inflow of 7.9 maf (73%).

At the beginning of water year 2015, total system storage in the Colorado River Basin was 30.0 maf (50% of 59.6 maf total system capacity). This is nearly the same as the total storage at the beginning of water year 2014 which began at 29.9 maf (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 2015. 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 2015 total Colorado Basin reservoir storage is approximately 27.4 maf (45% of total system capacity). The actual end of water year system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and resulting reservoir inflow. Based on the April minimum and maximum probable inflow forecasts and modeling the range is approximately 26.1 maf (44%) to 29.5 maf (50%), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
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SALT LAKE CITY, UT 84138-5571
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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:	Obs			apr	Forecast			Outlook	
:	jan	feb	mar	apr	%Avg	may	jun	jul	apr-jul	%Avg
GLDA3:Lake Powell	348	424	552	639	61%:	1000/	1000/	360/	3000/:	42%
GBRW4:Fontenelle	46	46	70	87	102%:	158/	175/	75/	495/:	68%
GRNU1:Flaming Gorge	67	63	77	112	84%:	185/	190/	83/	570/:	58%
BMDC2:Blue Mesa	30	28	54	73	95%:	160/	152/	55/	440/:	65%
MPSC2:Morrow Point	30	29	56	79	90%:	176/	162/	57/	474/:	64%
CLSC2:Crystal	35	34	63	85	84%:	193/	178/	59/	515/:	62%
TPIC2:Taylor Park	5.5	4.4	6.5	8.6	98%:	24/	21/	8/	62/:	63%
VCRC2:Vallecito	6.3	6.7	13.2	18.7	80%:	38/	26/	11/	94/:	48%
NVRN5:Navajo	23	29	88	80	47%:	100/	40/	10/	230/:	31%
LEMC2:Lemon	0.97	1.09	2.5	4.8	85%:	9/	6/	2.1/	22/:	40%
MPHC2:McPhee	3.9	4.7	14.6	21	29%:	52/	27/	8/	110/:	37%
RBSC2:Ridgway	4.2	3.8	6.3	6.4	60%:	21/	22/	10.5/	59/:	58%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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)
*	May 2014	272	1	96	126	222	6483.58	186
H	Jun 2014	427	2	104	254	364	6492.90	247
I	Jul 2014	220	3	90	1	117	6506.25	347
S	Aug 2014	98	2	100	1	108	6504.71	335
T	Sep 2014	69	2	21	66	87	6502.07	314
	WY 2014	**1424**	**15**	**811**	**478**	**1328**		
O	Oct 2014	85	1	80	10	90	6501.37	309
R	Nov 2014	53	1	69	1	69	6499.16	292
I	Dec 2014	51	1	77	0	77	6495.49	265
C	Jan 2015	46	1	77	0	77	6490.98	234
A	Feb 2015	46	1	69	1	69	6487.37	210
L	Mar 2015	70	1	78	0	78	6486.00	201
*	Apr 2015	87	1	102	0	103	6483.35	185
	May 2015	158	2	102	0	102	6491.87	241
	Jun 2015	175	2	89	0	89	6503.24	324
	Jul 2015	75	3	92	0	92	6500.65	304
	Aug 2015	45	2	64	0	64	6497.79	282
	Sep 2015	39	2	38	21	60	6494.70	260
	WY 2015	**931**	**16**	**937**	**32**	**969**		
	Oct 2015	44	1	61	0	61	6491.99	241
	Nov 2015	40	1	60	0	60	6488.90	221
	Dec 2015	32	1	61	0	61	6484.21	191
	Jan 2016	30	1	61	0	61	6478.59	159
	Feb 2016	28	0	58	0	58	6472.27	129
	Mar 2016	53	0	61	0	61	6470.13	120
	Apr 2016	85	1	89	0	89	6469.08	115
	May 2016	164	1	98	9	108	6480.60	170
	Jun 2016	299	2	101	98	199	6495.82	268
	Jul 2016	178	3	98	0	98	6505.88	345
	Aug 2016	77	2	93	0	93	6503.51	326
	Sep 2016	46	2	68	0	68	6500.34	302
	WY 2016	**1075**	**15**	**912**	**107**	**1019**		
	Oct 2016	49	1	71	0	71	6497.21	278
	Nov 2016	42	1	68	0	68	6493.41	251
	Dec 2016	32	1	71	0	71	6487.49	212
	Jan 2017	30	1	71	0	71	6480.71	171
	Feb 2017	28	1	64	0	64	6473.39	134
	Mar 2017	53	0	71	0	71	6469.14	116
	Apr 2017	85	1	74	0	74	6471.59	126

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

Model Run ID: 2197

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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May 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)
*	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
H	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
I	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
S	Aug 2014	126	136	13	122	0	122	132	6028.53	3293	190
T	Sep 2014	99	118	11	116	0	116	132	6028.31	3284	170
	WY 2014	**1689**	**1594**	**77**	**945**	**86**	**1032**				**2799**
O	Oct 2014	108	112	7	92	0	92	133	6028.64	3297	159
R	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
C	Jan 2015	67	98	2	124	0	124	130	6026.99	3234	178
A	Feb 2015	63	86	2	113	0	113	129	6026.25	3207	168
L	Mar 2015	77	85	3	124	0	124	127	6025.15	3166	219
*	Apr 2015	112	127	5	73	0	73	129	6026.41	3213	252
	May 2015	185	129	8	238	0	238	125	6023.36	3100	518
	Jun 2015	190	104	10	89	0	89	125	6023.49	3105	239
	Jul 2015	83	100	13	92	0	92	125	6023.36	3100	122
	Aug 2015	48	67	12	92	0	92	123	6022.38	3065	105
	Sep 2015	43	64	11	89	0	89	122	6021.41	3030	98
	WY 2015	**1093**	**1131**	**78**	**1318**	**0**	**1318**				**2358**
	Oct 2015	50	68	7	58	0	58	122	6021.49	3033	79
	Nov 2015	47	67	3	48	0	48	123	6021.92	3048	74
	Dec 2015	35	64	2	49	0	49	123	6022.28	3061	74
	Jan 2016	40	72	2	49	0	49	124	6022.83	3081	74
	Feb 2016	45	74	2	46	0	46	125	6023.53	3106	74
	Mar 2016	102	111	3	49	0	49	127	6025.07	3163	126
	Apr 2016	134	137	5	48	0	48	131	6027.26	3245	263
	May 2016	245	189	8	103	0	103	134	6029.24	3320	635
	Jun 2016	390	290	11	164	0	164	138	6032.10	3431	584
	Jul 2016	210	131	14	109	0	109	138	6032.29	3438	209
	Aug 2016	89	105	13	109	0	109	138	6031.88	3422	134
	Sep 2016	55	78	11	106	0	106	136	6030.91	3384	125
	WY 2016	**1442**	**1386**	**80**	**937**	**0**	**937**				**2451**
	Oct 2016	59	81	7	109	0	109	135	6030.03	3350	141
	Nov 2016	51	77	3	106	0	106	134	6029.24	3320	137
	Dec 2016	35	74	2	109	0	109	132	6028.30	3284	134
	Jan 2017	40	81	2	109	0	109	131	6027.53	3255	134
	Feb 2017	45	81	2	99	0	99	130	6027.02	3236	126
	Mar 2017	102	120	3	109	0	109	131	6027.23	3243	186
	Apr 2017	134	122	5	106	0	106	131	6027.54	3255	321

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

Model Run ID: 2197

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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)
*	May 2014	31	27	9312.59	74
H	Jun 2014	49	28	9324.29	95
I	Jul 2014	19	25	9320.83	88
S	Aug 2014	12	19	9316.50	81
T	Sep 2014	10	14	9314.21	77
	WY 2014	**161**	**154**		
O	Oct 2014	10	8	9315.40	79
R	Nov 2014	7	6	9315.85	80
I	Dec 2014	6	6	9315.74	79
C	Jan 2015	5	6	9315.48	79
A	Feb 2015	4	5	9314.94	78
L	Mar 2015	7	6	9315.31	79
*	Apr 2015	9	6	9317.32	82
	May 2015	24	14	9322.81	92
	Jun 2015	21	18	9324.39	95
	Jul 2015	8	18	9319.01	85
	Aug 2015	7	18	9312.63	74
	Sep 2015	6	14	9307.60	66
	WY 2015	**114**	**124**		
	Oct 2015	6	8	9306.17	64
	Nov 2015	5	6	9305.36	63
	Dec 2015	5	6	9304.46	61
	Jan 2016	4	6	9303.32	60
	Feb 2016	4	6	9301.77	58
	Mar 2016	4	6	9300.65	56
	Apr 2016	9	6	9302.62	59
	May 2016	28	12	9313.19	75
	Jun 2016	42	18	9326.28	99
	Jul 2016	20	22	9325.32	97
	Aug 2016	10	22	9319.06	85
	Sep 2016	7	18	9312.90	75
	WY 2016	**144**	**136**		
	Oct 2016	7	12	9309.60	69
	Nov 2016	5	6	9309.04	68
	Dec 2016	5	6	9308.19	67
	Jan 2017	4	6	9307.12	65
	Feb 2017	4	6	9305.66	63
	Mar 2017	4	6	9304.60	62
	Apr 2017	9	6	9306.46	64

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

Model Run ID: 2197

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 2015 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)
*	May 2014	242	240	1	69	3	72	7501.73	676
H	Jun 2014	361	338	1	185	142	353	7499.76	659
I	Jul 2014	117	123	1	118	0	118	7500.15	663
S	Aug 2014	64	72	1	104	0	104	7496.00	629
T	Sep 2014	48	52	1	81	0	81	7492.28	599
	WY 2014	**1145**	**1138**	**8**	**708**	**145**	**879**		
O	Oct 2014	55	53	1	64	0	64	7490.77	587
R	Nov 2014	37	36	0	27	0	27	7491.85	596
I	Dec 2014	34	34	0	55	0	55	7489.11	574
C	Jan 2015	30	30	0	58	0	58	7485.48	547
A	Feb 2015	28	29	0	29	0	29	7485.47	547
L	Mar 2015	54	53	0	26	0	26	7488.96	573
*	Apr 2015	73	70	1	45	0	45	7492.04	597
	May 2015	160	150	1	60	0	60	7502.95	686
	Jun 2015	152	149	1	74	0	74	7511.55	759
	Jul 2015	55	65	2	108	0	108	7506.40	715
	Aug 2015	43	54	1	111	0	111	7499.50	657
	Sep 2015	33	41	1	84	0	84	7494.06	613
	WY 2015	**752**	**763**	**9**	**740**	**0**	**740**		
	Oct 2015	35	37	1	53	0	53	7492.04	597
	Nov 2015	30	31	0	17	0	17	7493.78	611
	Dec 2015	26	27	0	57	0	57	7490.00	581
	Jan 2016	24	26	0	61	0	61	7485.41	546
	Feb 2016	22	25	0	51	0	51	7481.84	520
	Mar 2016	36	38	0	43	0	43	7481.05	514
	Apr 2016	77	74	1	42	0	42	7485.30	545
	May 2016	221	205	1	150	0	150	7492.26	599
	Jun 2016	261	237	1	56	0	56	7513.77	779
	Jul 2016	117	119	2	94	0	94	7516.40	802
	Aug 2016	63	75	1	122	0	122	7510.99	754
	Sep 2016	38	49	1	116	0	116	7502.99	686
	WY 2016	**951**	**942**	**9**	**861**	**0**	**861**		
	Oct 2016	38	44	1	77	0	77	7498.88	652
	Nov 2016	31	32	0	47	0	47	7497.01	637
	Dec 2016	26	27	0	82	0	82	7490.00	581
	Jan 2017	24	26	0	73	0	73	7483.81	534
	Feb 2017	22	25	0	50	0	50	7480.34	508
	Mar 2017	36	38	0	43	0	43	7479.54	503
	Apr 2017	77	74	1	42	0	42	7483.83	534

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

Model Run ID: 2197

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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)
*	May 2014	268	72	26	98	93	0	93	7152.55	111
H	Jun 2014	379	353	18	372	295	63	382	7138.91	101
I	Jul 2014	120	118	3	122	82	8	110	7153.91	112
S	Aug 2014	64	104	1	105	104	0	104	7154.40	113
T	Sep 2014	49	81	1	82	82	0	82	7153.75	112
	WY 2014	**1215**	**879**	**70**	**949**	**782**	**73**	**949**		
O	Oct 2014	56	64	1	65	49	0	68	7149.96	109
R	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
C	Jan 2015	30	58	1	58	60	0	60	7152.01	111
A	Feb 2015	29	29	1	30	31	0	31	7151.25	110
L	Mar 2015	56	26	3	29	28	0	28	7151.69	110
*	Apr 2015	79	45	6	50	51	0	51	7150.61	110
	May 2015	176	60	16	76	74	0	74	7153.73	112
	Jun 2015	162	74	10	84	84	0	84	7153.73	112
	Jul 2015	57	108	2	110	110	0	110	7153.73	112
	Aug 2015	47	111	4	115	115	0	115	7153.73	112
	Sep 2015	36	84	3	87	87	0	87	7153.73	112
	WY 2015	**801**	**740**	**49**	**789**	**767**	**0**	**789**		
	Oct 2015	38	53	3	55	55	0	55	7153.73	112
	Nov 2015	32	17	2	19	19	0	19	7153.73	112
	Dec 2015	28	57	2	59	59	0	59	7153.73	112
	Jan 2016	27	61	2	63	63	0	63	7153.73	112
	Feb 2016	25	51	3	54	54	0	54	7153.73	112
	Mar 2016	40	43	4	47	47	0	47	7153.73	112
	Apr 2016	88	42	11	53	53	0	53	7153.73	112
	May 2016	247	150	26	176	176	0	176	7153.73	112
	Jun 2016	281	56	20	76	76	0	76	7153.73	112
	Jul 2016	123	94	6	100	100	0	100	7153.73	112
	Aug 2016	67	122	3	125	125	0	125	7153.73	112
	Sep 2016	41	116	3	119	119	0	119	7153.73	112
	WY 2016	**1036**	**861**	**85**	**946**	**946**	**0**	**946**		
	Oct 2016	41	77	3	80	80	0	80	7153.73	112
	Nov 2016	33	47	2	49	49	0	49	7153.73	112
	Dec 2016	28	82	2	85	85	0	85	7153.73	112
	Jan 2017	27	73	2	75	75	0	75	7153.73	112
	Feb 2017	25	50	3	53	53	0	53	7153.73	112
	Mar 2017	40	43	4	47	47	0	47	7153.73	112
	Apr 2017	88	42	11	53	53	0	53	7153.73	112

* 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

May 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)
*	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
H	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
I	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	59
S	Aug 2014	69	104	4	109	108	0	108	6749.65	16	65	48
T	Sep 2014	53	82	4	86	84	3	87	6747.57	15	62	26
	WY 2014	**1337**	**949**	**123**	**1071**	**690**	**187**	**1071**			**374**	**738**
O	Oct 2014	61	68	5	73	74	0	74	6745.88	15	48	27
R	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
C	Jan 2015	35	60	5	64	55	9	64	6746.05	15	1	65
A	Feb 2015	34	31	4	35	11	22	33	6751.96	17	0	34
L	Mar 2015	63	28	6	35	35	0	35	6752.00	17	1	34
*	Apr 2015	85	51	7	58	58	0	58	6751.65	17	37	21
	May 2015	193	74	17	91	91	0	91	6753.04	17	55	36
	Jun 2015	178	84	16	100	100	0	100	6753.04	17	60	40
	Jul 2015	59	110	2	112	112	0	112	6753.04	17	65	47
	Aug 2015	50	115	3	118	118	0	118	6753.04	17	65	53
	Sep 2015	41	87	5	92	92	0	92	6753.04	17	55	37
	WY 2015	**881**	**789**	**80**	**869**	**835**	**32**	**867**			**387**	**484**
	Oct 2015	43	55	5	61	61	0	61	6753.04	17	30	31
	Nov 2015	37	19	4	24	24	0	24	6753.04	17	0	24
	Dec 2015	32	59	5	63	63	0	63	6753.04	17	0	63
	Jan 2016	31	63	5	68	68	0	68	6753.04	17	0	68
	Feb 2016	29	54	4	57	57	0	57	6753.04	17	0	57
	Mar 2016	46	47	6	53	53	0	53	6753.04	17	5	48
	Apr 2016	101	53	12	66	66	0	66	6753.04	17	30	36
	May 2016	281	176	34	210	134	76	210	6753.04	17	55	155
	Jun 2016	315	76	34	110	110	0	110	6753.04	17	60	50
	Jul 2016	138	100	14	114	114	0	114	6753.04	17	65	49
	Aug 2016	75	125	8	134	134	0	134	6753.04	17	65	69
	Sep 2016	47	119	6	125	125	0	125	6753.04	17	55	70
	WY 2016	**1175**	**946**	**139**	**1085**	**1009**	**76**	**1085**			**365**	**720**
	Oct 2016	47	80	6	86	86	0	86	6753.04	17	30	56
	Nov 2016	38	49	5	54	54	0	54	6753.04	17	0	54
	Dec 2016	32	85	5	89	89	0	89	6753.04	17	0	89
	Jan 2017	31	75	5	80	80	0	80	6753.04	17	0	80
	Feb 2017	29	53	4	56	56	0	56	6753.04	17	0	56
	Mar 2017	46	47	6	53	53	0	53	6753.04	17	5	48
	Apr 2017	101	53	12	66	66	0	66	6753.04	17	30	36

* 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

May 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)
*	May 2014	59	43	7663.60	122
H	Jun 2014	47	50	7662.12	118
I	Jul 2014	15	38	7653.12	95
S	Aug 2014	14	32	7645.08	75
T	Sep 2014	22	28	7642.43	70
	WY 2014	**238**	**229**		
O	Oct 2014	23	5	7650.16	87
R	Nov 2014	10	3	7652.74	94
I	Dec 2014	6	4	7653.53	96
C	Jan 2015	6	5	7654.18	97
A	Feb 2015	7	4	7655.19	100
L	Mar 2015	13	12	7655.67	101
*	Apr 2015	19	11	7658.49	108
	May 2015	38	34	7659.76	111
	Jun 2015	26	43	7653.02	94
	Jul 2015	11	41	7639.67	64
	Aug 2015	12	37	7625.95	38
	Sep 2015	11	29	7612.12	20
	WY 2015	**182**	**229**		
	Oct 2015	12	17	7607.00	15
	Nov 2015	8	1	7613.15	21
	Dec 2015	6	2	7617.22	26
	Jan 2016	5	2	7620.17	29
	Feb 2016	5	1	7622.47	33
	Mar 2016	9	2	7626.94	40
	Apr 2016	23	1	7638.49	61
	May 2016	71	31	7655.68	101
	Jun 2016	70	46	7664.79	125
	Jul 2016	29	41	7659.89	112
	Aug 2016	20	38	7652.66	93
	Sep 2016	17	29	7647.62	81
	WY 2016	**276**	**211**		
	Oct 2016	16	16	7647.18	80
	Nov 2016	9	1	7650.21	87
	Dec 2016	6	2	7652.15	92
	Jan 2017	5	2	7653.68	96
	Feb 2017	5	1	7654.97	99
	Mar 2017	9	2	7657.66	106
	Apr 2017	23	4	7664.97	125

* 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

May 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)
*	May 2014	176	20	141	3	31	17	6042.68	1142	115
H	Jun 2014	116	19	98	4	39	20	6045.77	1177	148
I	Jul 2014	14	2	35	4	44	29	6042.03	1135	64
S	Aug 2014	14	1	32	3	37	39	6037.72	1088	61
T	Sep 2014	39	1	47	2	22	31	6036.99	1081	61
	WY 2014	**696**	**62**	**626**	**23**	**203**	**253**			**754**
O	Oct 2014	68	1	46	1	7	21	6038.47	1096	65
R	Nov 2014	28	0	21	1	0	21	6038.43	1096	46
I	Dec 2014	19	0	17	1	0	21	6037.94	1091	44
C	Jan 2015	23	0	21	1	0	21	6037.90	1090	39
A	Feb 2015	29	1	25	1	0	19	6038.43	1096	40
L	Mar 2015	87	7	80	1	3	21	6043.43	1150	56
*	Apr 2015	80	8	64	2	20	21	6045.22	1170	39
	May 2015	100	18	78	3	34	23	6046.80	1188	105
	Jun 2015	40	8	49	4	48	21	6044.64	1164	86
	Jul 2015	10	1	40	4	52	37	6039.75	1110	61
	Aug 2015	18	0	43	3	44	36	6035.99	1070	60
	Sep 2015	26	0	44	2	25	29	6034.87	1058	50
	WY 2015	**527**	**45**	**527**	**24**	**233**	**292**			**692**
	Oct 2015	34	0	39	1	9	22	6035.55	1065	43
	Nov 2015	29	0	23	1	0	21	6035.66	1067	37
	Dec 2015	25	0	20	1	0	22	6035.49	1065	37
	Jan 2016	22	0	18	1	0	22	6035.11	1061	35
	Feb 2016	30	0	27	1	0	20	6035.68	1067	33
	Mar 2016	92	1	84	1	5	22	6040.93	1123	44
	Apr 2016	170	13	136	2	20	21	6049.16	1216	73
	May 2016	277	38	199	3	34	22	6060.67	1356	168
	Jun 2016	224	32	167	4	49	21	6067.72	1449	172
	Jul 2016	66	7	72	5	53	33	6066.36	1431	100
	Aug 2016	45	1	62	4	44	47	6063.86	1398	86
	Sep 2016	43	1	54	3	24	47	6062.40	1379	79
	WY 2016	**1058**	**93**	**901**	**26**	**237**	**317**			**906**
	Oct 2016	47	1	46	2	8	22	6063.51	1393	50
	Nov 2016	34	1	26	1	0	21	6063.80	1397	39
	Dec 2016	25	0	20	1	0	22	6063.65	1395	37
	Jan 2017	22	0	18	1	0	22	6063.33	1391	35
	Feb 2017	30	0	27	1	0	19	6063.84	1397	32
	Mar 2017	92	2	83	2	5	22	6067.96	1452	44
	Apr 2017	170	15	136	3	20	50	6072.56	1516	102

* 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

May 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)
*	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
H	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
I	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
S	Aug 2014	517	615	53	801	0	801	3605.82	5039	12314	818
T	Sep 2014	511	622	48	604	0	604	3605.53	5037	12286	619
	WY 2014	**10381**	**9287**	**347**	**7337**	**143**	**7480**				**7568**
O	Oct 2014	716	636	34	598	0	598	3605.57	5037	12290	613
R	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
C	Jan 2015	348	449	8	862	0	862	3593.57	4945	11147	878
A	Feb 2015	424	464	8	589	0	589	3592.23	4936	11024	595
L	Mar 2015	552	543	14	649	0	649	3591.02	4927	10913	656
*	Apr 2015	639	539	21	600	0	600	3590.18	4921	10837	610
	May 2015	1000	926	25	700	0	700	3592.22	4935	11023	708
	Jun 2015	1000	859	40	800	0	800	3592.41	4937	11040	809
	Jul 2015	360	502	47	1050	0	1050	3586.31	4893	10490	1065
	Aug 2015	260	434	45	800	0	800	3581.98	4862	10110	817
	Sep 2015	270	395	40	710	0	710	3578.13	4836	9780	723
	WY 2015	**6401**	**6632**	**337**	**8868**	**132**	**9000**				**9134**
	Oct 2015	397	418	28	480	0	480	3577.16	4830	9698	489
	Nov 2015	420	399	27	500	0	500	3575.75	4820	9580	506
	Dec 2015	363	404	21	600	0	600	3573.33	4804	9379	606
	Jan 2016	361	406	6	800	0	800	3568.78	4774	9009	809
	Feb 2016	393	413	6	600	0	600	3566.53	4760	8830	605
	Mar 2016	665	555	11	600	0	600	3565.87	4756	8778	606
	Apr 2016	1056	818	18	500	0	500	3569.36	4778	9055	510
	May 2016	2343	1945	23	600	0	600	3583.93	4876	10280	608
	Jun 2016	2666	2113	39	600	0	600	3598.89	4985	11645	609
	Jul 2016	1091	993	50	800	0	800	3600.28	4996	11777	815
	Aug 2016	500	626	50	800	0	800	3598.10	4979	11570	817
	Sep 2016	408	565	46	600	0	600	3597.31	4973	11495	613
	WY 2016	**10662**	**9656**	**324**	**7480**	**0**	**7480**				**7593**
	Oct 2016	512	586	32	600	0	600	3596.86	4970	11453	609
	Nov 2016	473	531	30	600	0	600	3595.87	4963	11361	606
	Dec 2016	363	490	24	800	0	800	3592.53	4938	11051	806
	Jan 2017	361	478	7	800	0	800	3589.18	4913	10747	809
	Feb 2017	393	464	8	650	0	650	3587.18	4899	10567	655
	Mar 2017	665	615	13	650	0	650	3586.69	4896	10523	656
	Apr 2017	1056	906	21	600	0	600	3589.63	4917	10787	610

* 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

May 2015 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	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)
*	May 2014	493	13	46	1086	17.7	30	1084	692	1087.46	10639
H	Jun 2014	598	10	54	959	16.1	28	958	665	1082.66	10233
I	Jul 2014	800	54	67	943	15.3	27	941	654	1080.60	10061
S	Aug 2014	801	113	71	735	12.0	23	727	659	1081.55	10140
T	Sep 2014	604	140	58	686	11.5	19	684	658	1081.33	10121
	WY 2014	**7480**	**677**	**567**	**9759**		**216**	**9716**			
O	Oct 2014	598	68	43	472	7.7	21	461	666	1082.79	10244
R	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
C	Jan 2015	862	73	31	832	13.5	6	832	697	1088.51	10729
A	Feb 2015	589	90	28	600	10.8	8	599	700	1088.98	10769
L	Mar 2015	649	57	31	1034	16.8	14	1033	677	1084.87	10419
*	Apr 2015	600	26	38	1087	18.3	20	1086	646	1079.03	9931
	May 2015	700	49	43	996	16.2	30	996	626	1075.36	9630
	Jun 2015	800	23	52	939	15.8	30	939	614	1073.06	9444
	Jul 2015	1050	67	65	858	14.0	32	858	624	1074.95	9597
	Aug 2015	800	127	69	796	12.9	30	796	626	1075.32	9627
	Sep 2015	710	114	57	759	12.8	17	759	625	1075.22	9619
	WY 2015	**9000**	**794**	**537**	**9562**		**230**	**9544**			
	Oct 2015	480	61	41	457	7.4	21	457	627	1075.47	9639
	Nov 2015	500	50	41	579	9.7	12	579	622	1074.52	9562
	Dec 2015	600	96	36	532	8.6	8	532	629	1075.92	9676
	Jan 2016	800	72	29	704	11.4	9	704	637	1077.41	9797
	Feb 2016	600	77	27	631	11.0	8	631	638	1077.53	9808
	Mar 2016	600	61	30	1034	16.8	16	1034	612	1072.69	9414
	Apr 2016	500	76	36	1095	18.4	22	1095	577	1065.84	8872
	May 2016	600	49	41	1003	16.3	30	1003	551	1060.66	8473
	Jun 2016	600	23	48	925	15.5	30	925	528	1055.91	8116
	Jul 2016	800	67	59	879	14.3	32	879	521	1054.60	8019
	Aug 2016	800	127	63	788	12.8	30	788	524	1055.19	8062
	Sep 2016	600	114	52	729	12.2	17	729	519	1054.13	7984
	WY 2016	**7480**	**874**	**504**	**9357**		**234**	**9357**			
	Oct 2016	600	61	38	484	7.9	21	484	526	1055.63	8095
	Nov 2016	600	50	38	635	10.7	12	635	524	1055.20	8063
	Dec 2016	800	96	33	559	9.1	8	559	542	1058.92	8341
	Jan 2017	800	72	27	671	10.9	9	671	552	1060.95	8495
	Feb 2017	650	77	25	596	10.7	8	596	558	1062.14	8586
	Mar 2017	650	61	28	999	16.2	16	999	538	1058.03	8275
	Apr 2017	600	76	34	1062	17.8	22	1062	511	1052.43	7859

* 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

May 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)
*	May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
H	Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
I	Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
S	Aug 2014	735	-6	23	697	0	697	11.3	643.43	1711
T	Sep 2014	686	-6	18	727	0	727	12.2	641.03	1645
	WY 2014	**9759**	**-139**	**198**	**9400**	**0**	**9400**			
O	Oct 2014	472	10	15	642	0	642	10.4	634.40	1470
R	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
C	Jan 2015	832	-22	10	660	0	660	10.7	642.98	1698
A	Feb 2015	600	-8	10	625	0	625	11.3	641.43	1656
L	Mar 2015	1034	-21	13	963	0	963	15.7	642.78	1693
*	Apr 2015	1087	-21	17	1022	3	1019	17.1	643.88	1723
	May 2015	996	-15	22	983	0	983	16.0	643.00	1699
	Jun 2015	939	-17	25	896	0	896	15.1	643.00	1699
	Jul 2015	858	-13	25	860	0	860	14.0	641.50	1658
	Aug 2015	796	-10	23	763	0	763	12.4	641.50	1658
	Sep 2015	759	-6	18	775	0	775	13.0	640.01	1617
	WY 2015	**9562**	**-132**	**197**	**9263**	**3**	**9260**			
	Oct 2015	457	1	15	627	0	627	10.2	633.00	1434
	Nov 2015	579	-11	10	507	0	507	8.5	635.00	1486
	Dec 2015	532	-12	9	413	0	413	6.7	638.71	1583
	Jan 2016	704	-13	10	598	0	598	9.7	641.80	1666
	Feb 2016	631	-13	10	608	0	608	10.6	641.80	1666
	Mar 2016	1034	-15	13	972	0	972	15.8	643.05	1700
	Apr 2016	1095	-19	17	1061	0	1061	17.8	643.00	1699
	May 2016	1003	-15	22	966	0	966	15.7	643.00	1699
	Jun 2016	925	-17	25	910	0	910	15.3	642.00	1671
	Jul 2016	879	-13	25	854	0	854	13.9	641.50	1658
	Aug 2016	788	-10	23	755	0	755	12.3	641.50	1658
	Sep 2016	729	-6	18	745	0	745	12.5	640.01	1617
	WY 2016	**9357**	**-143**	**197**	**9017**	**0**	**9017**			
	Oct 2016	484	1	15	653	0	653	10.6	633.00	1434
	Nov 2016	635	-11	10	563	0	563	9.5	635.00	1486
	Dec 2016	559	-12	9	440	0	440	7.2	638.71	1583
	Jan 2017	671	-13	10	565	0	565	9.2	641.80	1666
	Feb 2017	596	-13	10	574	0	574	10.3	641.80	1666
	Mar 2017	999	-15	13	936	0	936	15.2	643.05	1700
	Apr 2017	1062	-19	17	1028	0	1028	17.3	643.00	1699

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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)
*	May 2014	1022	-3	13	694	11.3	110	184	448.48	589	115	1.9
H	Jun 2014	947	11	15	713	12.0	95	133	447.90	578	112	1.9
I	Jul 2014	900	18	17	685	11.1	105	93	448.27	585	118	1.9
S	Aug 2014	697	26	17	495	8.1	106	99	448.10	582	100	1.6
T	Sep 2014	727	13	15	474	8.0	102	140	448.17	583	90	1.5
	WY 2014	**9400**	**169**	**140**	**6496**		**1137**	**1685**			**1587**	
O	Oct 2014	642	16	12	432	7.0	105	135	446.41	550	65	1.1
R	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
C	Jan 2015	660	17	6	348	5.7	105	180	448.22	584	146	2.4
A	Feb 2015	625	9	8	473	8.5	54	109	447.38	568	172	3.1
L	Mar 2015	963	3	9	707	11.5	86	146	447.89	578	219	3.6
*	Apr 2015	1019	-5	11	730	12.3	104	154	448.09	582	209	3.5
	May 2015	983	17	13	677	11.0	105	181	448.70	593	101	1.6
	Jun 2015	896	15	16	707	11.9	102	73	448.70	593	100	1.7
	Jul 2015	860	29	17	694	11.3	105	74	448.00	580	103	1.7
	Aug 2015	763	27	17	591	9.6	105	75	447.50	571	92	1.5
	Sep 2015	775	23	15	525	8.8	102	147	447.50	570	89	1.5
	WY 2015	**9260**	**178**	**140**	**6474**		**1183**	**1554**			**1484**	
	Oct 2015	627	25	12	490	8.0	25	117	447.50	571	63	1.0
	Nov 2015	507	27	9	378	6.4	23	119	447.50	571	97	1.6
	Dec 2015	413	21	7	303	4.9	25	114	446.50	552	110	1.8
	Jan 2016	598	18	6	354	5.8	79	172	446.50	552	130	2.1
	Feb 2016	608	11	8	440	7.7	73	92	446.50	552	161	2.8
	Mar 2016	972	15	9	741	12.0	79	145	446.70	555	205	3.3
	Apr 2016	1061	23	11	783	13.2	76	167	448.70	593	205	3.4
	May 2016	966	17	13	705	11.5	79	173	448.70	593	113	1.8
	Jun 2016	910	15	16	695	11.7	76	124	448.70	593	111	1.9
	Jul 2016	854	29	17	701	11.4	79	86	448.00	580	119	1.9
	Aug 2016	755	27	17	599	9.7	79	85	447.50	571	100	1.6
	Sep 2016	745	23	15	545	9.2	76	123	447.50	570	89	1.5
	WY 2016	**9017**	**252**	**139**	**6736**		**768**	**1518**			**1504**	
	Oct 2016	653	25	12	450	7.3	79	130	447.50	571	55	0.9
	Nov 2016	563	27	9	372	6.3	76	127	447.50	571	103	1.7
	Dec 2016	440	21	7	277	4.5	79	114	446.50	552	108	1.7
	Jan 2017	565	18	6	348	5.7	80	145	446.50	552	126	2.1
	Feb 2017	574	11	8	432	7.8	70	68	446.50	552	156	2.8
	Mar 2017	936	15	9	732	11.9	80	119	446.70	555	198	3.2
	Apr 2017	1028	23	11	774	13.0	77	144	448.70	593	198	3.3

* 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

May 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
*	May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
H	Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
I	Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
S	Aug 2014	735	12.0	1081.55	10140	79	436.53	1493.0	279.3	94	379.9
T	Sep 2014	686	11.5	1081.33	10121	-18	437.59	1493.0	262.1	94	382.2
	WY 2014	**9759**							**3910.2**		
O	Oct 2014	472	7.7	1082.79	10244	122	442.74	1282.0	180.0	81	381.5
R	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
C	Jan 2015	832	13.5	1088.51	10729	62	441.51	1018.0	333.5	63	400.6
A	Feb 2015	600	10.8	1088.98	10769	40	444.73	848.0	239.1	52	398.4
L	Mar 2015	1034	16.8	1084.87	10419	-350	440.21	952.0	412.2	60	398.7
*	Apr 2015	1087	18.3	1079.03	9931	-488	430.55	1217.0	427.4	76	393.2
	May 2015	996	16.2	1075.36	9630	-300	426.22	1165.0	385.1	74	386.6
	Jun 2015	939	15.8	1073.06	9444	-186	420.79	1534.0	357.0	100	380.2
	Jul 2015	858	14.0	1074.95	9597	153	421.07	1543.0	328.7	100	383.0
	Aug 2015	796	12.9	1075.32	9627	30	422.68	1546.0	303.6	100	381.4
	Sep 2015	759	12.8	1075.22	9619	-8	423.30	1547.0	289.4	100	381.4
	WY 2015	**9562**							**3715.8**		
	Oct 2015	457	7.4	1075.47	9639	20	429.60	950.0	175.5	62	384.1
	Nov 2015	579	9.7	1074.52	9562	-77	431.60	950.0	224.8	61	388.1
	Dec 2015	532	8.6	1075.92	9676	113	427.90	1265.0	199.4	80	375.0
	Jan 2016	704	11.4	1077.41	9797	122	428.31	1095.0	271.7	69	386.0
	Feb 2016	631	11.0	1077.53	9808	10	427.29	1219.0	240.5	77	381.2
	Mar 2016	1034	16.8	1072.69	9414	-393	424.61	1190.0	399.9	76	386.6
	Apr 2016	1095	18.4	1065.84	8872	-542	417.86	1246.0	419.7	81	383.2
	May 2016	1003	16.3	1060.66	8473	-398	411.34	1307.0	370.1	87	369.0
	Jun 2016	925	15.5	1055.91	8116	-357	405.35	1498.0	337.3	100	364.7
	Jul 2016	879	14.3	1054.60	8019	-97	402.83	1504.0	322.2	100	366.3
	Aug 2016	788	12.8	1055.19	8062	43	402.64	1524.0	285.6	100	362.3
	Sep 2016	729	12.2	1054.13	7984	-78	402.89	1532.0	262.9	100	360.8
	WY 2016	**9357**							**3509.8**		
	Oct 2016	484	7.9	1055.63	8095	111	409.25	882.0	178.9	62	369.8
	Nov 2016	635	10.7	1055.20	8063	-32	412.13	873.2	235.0	61	370.2
	Dec 2016	559	9.1	1058.92	8341	278	409.88	1164.2	202.8	80	362.7
	Jan 2017	671	10.9	1060.95	8495	154	411.69	1010.6	247.4	69	368.8
	Feb 2017	596	10.7	1062.14	8586	91	411.48	1127.4	218.5	77	366.3
	Mar 2017	999	16.2	1058.03	8275	-312	409.69	1100.0	369.8	76	370.4
	Apr 2017	1062	17.8	1052.43	7859	-416	403.94	1149.5	390.5	81	367.7

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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
*	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
H	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
I	Jul 2014	900	14.6	643.10	1701	7	143.48	255.0	112.8	100	125.4
S	Aug 2014	697	11.3	643.43	1711	9	143.79	255.0	88.3	100	126.7
T	Sep 2014	727	12.2	641.03	1645	-65	138.41	255.0	91.5	100	126.0
	WY 2014	**9400**							**1175.6**		
O	Oct 2014	642	10.4	634.40	1470	-175	134.93	191.3	72.3	75	112.7
R	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
C	Jan 2015	660	10.7	642.98	1698	141	141.44	163.2	82.8	64	125.4
A	Feb 2015	625	11.3	641.43	1656	-42	140.07	188.7	79.9	74	127.8
L	Mar 2015	963	15.7	642.78	1693	37	139.75	229.5	123.2	90	128.0
*	Apr 2015	1022	17.2	643.88	1723	30	141.00	255.0	129.5	100	126.8
	May 2015	983	16.0	643.00	1699	-24	136.55	252.5	123.2	99	125.4
	Jun 2015	896	15.1	643.00	1699	0	136.04	255.0	112.3	100	125.3
	Jul 2015	860	14.0	641.50	1658	-41	135.25	255.0	107.5	100	124.9
	Aug 2015	763	12.4	641.50	1658	0	134.46	255.0	95.2	100	124.8
	Sep 2015	775	13.0	640.01	1617	-40	133.68	255.0	96.0	100	123.9
	WY 2015	**9263**							**1149.0**		
	Oct 2015	627	10.2	633.00	1434	-183	129.77	234.6	75.9	92	121.1
	Nov 2015	507	8.5	635.00	1486	51	127.90	209.1	60.6	82	119.4
	Dec 2015	413	6.7	638.71	1583	97	130.45	224.4	50.7	88	122.7
	Jan 2016	598	9.7	641.80	1666	83	135.97	163.2	74.6	64	124.6
	Feb 2016	608	10.6	641.80	1666	0	137.17	173.4	76.4	68	125.7
	Mar 2016	972	15.8	643.05	1700	34	135.44	255.0	121.1	100	124.5
	Apr 2016	1061	17.8	643.00	1699	-2	136.07	255.0	132.1	100	124.5
	May 2016	966	15.7	643.00	1699	0	136.04	255.0	120.8	100	125.1
	Jun 2016	910	15.3	642.00	1671	-27	135.51	255.0	113.5	100	124.7
	Jul 2016	854	13.9	641.50	1658	-14	134.73	255.0	106.4	100	124.5
	Aug 2016	755	12.3	641.50	1658	0	134.46	255.0	94.3	100	124.8
	Sep 2016	745	12.5	640.01	1617	-40	133.68	255.0	92.4	100	124.1
	WY 2016	**9017**							**1118.5**		
	Oct 2016	653	10.6	633.00	1434	-183	129.77	234.6	79.0	92	120.9
	Nov 2016	563	9.5	635.00	1486	51	127.90	209.1	67.0	82	119.1
	Dec 2016	440	7.2	638.71	1583	97	130.45	224.4	54.0	88	122.6
	Jan 2017	565	9.2	641.80	1666	83	135.97	163.2	70.6	64	124.8
	Feb 2017	574	10.3	641.80	1666	0	137.17	173.4	72.1	68	125.8
	Mar 2017	936	15.2	643.05	1700	34	135.44	255.0	116.7	100	124.7
	Apr 2017	1028	17.3	643.00	1699	-2	136.07	255.0	128.1	100	124.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 2015 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
H	Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
I	Jul 2014	688	11.1	448.27	585	7	82.46	120.0	47.9	100	69.7
S	Aug 2014	495	8.1	448.10	582	-3	81.82	120.0	35.2	100	71.2
T	Sep 2014	474	8.0	448.17	583	1	82.36	120.0	33.7	100	70.9
	WY 2014	**6498**							**451.6**		
O	Oct 2014	432	7.0	446.41	550	-33	80.56	91.2	30.8	76	71.3
R	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
C	Jan 2015	348	5.6	448.22	584	35	82.97	93.6	24.3	78	69.7
A	Feb 2015	473	8.5	447.38	568	-16	81.70	94.8	33.2	79	70.2
L	Mar 2015	707	11.5	447.89	578	10	79.76	108.0	49.6	90	70.2
*	Apr 2015	752	12.6	448.09	582	4	80.20	120.0	52.5	100	69.8
	May 2015	677	11.0	448.70	593	12	76.06	112.8	45.0	94	66.5
	Jun 2015	707	11.9	448.70	593	0	76.05	120.0	47.1	100	66.6
	Jul 2015	694	11.3	448.00	580	-13	75.71	120.0	45.9	100	66.2
	Aug 2015	591	9.6	447.50	571	-9	75.13	120.0	38.7	100	65.4
	Sep 2015	525	8.8	447.50	570	0	74.89	120.0	34.1	100	65.0
	WY 2015	**6496**							**441.1**		
	Oct 2015	490	8.0	447.50	571	0	76.04	94.8	32.3	79	65.9
	Nov 2015	378	6.4	447.50	571	0	75.69	102.0	24.5	85	64.8
	Dec 2015	303	4.9	446.50	552	-19	74.40	120.0	19.0	100	62.9
	Jan 2016	354	5.8	446.50	552	0	75.01	96.0	22.7	80	64.0
	Feb 2016	440	7.7	446.50	552	0	75.13	93.6	28.7	78	65.1
	Mar 2016	741	12.0	446.70	555	4	74.01	120.0	48.2	100	65.0
	Apr 2016	783	13.2	448.70	593	38	75.08	120.0	51.7	100	66.0
	May 2016	705	11.5	448.70	593	0	76.05	120.0	46.9	100	66.5
	Jun 2016	695	11.7	448.70	593	0	76.05	120.0	46.3	100	66.5
	Jul 2016	701	11.4	448.00	580	-13	75.71	120.0	46.5	100	66.2
	Aug 2016	599	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.5
	Sep 2016	545	9.2	447.50	570	0	74.89	120.0	35.5	100	65.1
	WY 2016	**6736**							**441.3**		
	Oct 2016	450	7.3	447.50	571	0	75.69	102.0	29.4	85	65.3
	Nov 2016	372	6.3	447.50	571	0	75.69	102.0	24.1	85	64.7
	Dec 2016	277	4.5	446.50	552	-19	75.20	102.0	17.4	85	63.0
	Jan 2017	348	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
	Feb 2017	432	7.8	446.50	552	0	73.92	120.0	27.7	100	64.0
	Mar 2017	732	11.9	446.70	555	4	74.01	120.0	47.6	100	65.0
	Apr 2017	774	13.0	448.70	593	38	75.08	120.0	51.0	100	66.0

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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
*	May 2014	204	20	19	32	17	6
H	Jun 2014	260	80	54	103	21	7
I	Jul 2014	354	41	35	29	22	8
S	Aug 2014	353	48	31	37	21	9
T	Sep 2014	266	46	23	29	16	2
	Summer 2014	**1643**	**255**	**169**	**243**	**106**	**37**
O	Oct 2014	264	36	18	17	14	7
R	Nov 2014	281	30	7	7	4	6
I	Dec 2014	377	43	15	19	11	6
C	Jan 2015	373	48	16	20	10	6
A	Feb 2015	254	44	8	10	2	5
L	Mar 2015	278	48	7	9	5	6
	Winter 2015	**1827**	**250**	**72**	**83**	**46**	**37**
*	Apr 2015	256	28	13	17	11	7
	May 2015	270	87	18	27	16	8
	Jun 2015	310	32	23	30	17	8
	Jul 2015	404	33	33	40	19	9
	Aug 2015	304	33	34	41	20	6
	Sep 2015	269	32	25	31	16	3
	Summer 2015	**1813**	**247**	**146**	**186**	**99**	**41**
	Oct 2015	180	21	16	20	10	5
	Nov 2015	187	17	5	7	4	5
	Dec 2015	223	18	17	21	11	5
	Jan 2016	295	18	18	23	12	5
	Feb 2016	219	17	15	19	10	4
	Mar 2016	219	18	12	17	9	4
	Winter 2016	**1323**	**109**	**82**	**107**	**56**	**28**
	Apr 2016	183	17	12	19	11	6
	May 2016	224	38	44	63	23	7
	Jun 2016	232	60	17	27	19	8
	Jul 2016	315	40	29	36	20	9
	Aug 2016	314	40	38	45	23	9
	Sep 2016	235	39	36	43	22	6
	Summer 2016	**1503**	**235**	**177**	**234**	**118**	**45**
	Oct 2016	235	40	23	29	15	6
	Nov 2016	234	39	14	18	9	6
	Dec 2016	311	40	25	30	15	6
	Jan 2017	309	40	21	27	14	6
	Feb 2017	249	36	14	19	10	5
	Mar 2017	249	40	12	17	9	5
	Winter 2017	**1338**	**195**	**98**	**123**	**63**	**28**
	Apr 2017	230	39	12	19	11	5

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

May 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****							****EFFECTIVE SPACE****										
May 2015	696	232	526	13485	14938	17446	32385	38	125	85	247	13485	17446	31179	1500	996	0	28.4
Jun 2015	753	144	508	13299	14704	17747	32451	92	25	30	146	13299	17747	31193	1500	939	0	28.4
Jul 2015	665	70	532	13282	14549	17933	32482	-9	-53	3	-60	13282	17933	31155	1500	858	0	27.8
								****CREDITABLE SPACE****										
Aug 2015	690	115	586	13832	15222	17780	33003	690	115	586	1390	13832	17780	33003	1500	796	0	27.2
Sep 2015	747	172	626	14212	15757	17750	33507	747	172	626	1545	14212	17750	33507	2270	759	0	26.7
Oct 2015	804	216	638	14542	16200	17758	33957	804	216	638	1658	14542	17758	33957	3040	457	0	26.5
Nov 2015	820	232	631	14624	16307	17738	34044	820	232	631	1683	14624	17738	34044	3810	579	0	26.3
Dec 2015	825	218	629	14742	16415	17815	34230	825	218	629	1673	14742	17815	34230	4580	532	0	26.3
Jan 2016	842	248	631	14943	16664	17701	34366	842	248	631	1721	14943	17701	34366	5350	704	0	26.1
								****EFFECTIVE SPACE****										
Jan 2016	842	248	631	14943	16664	17701	34366	598	248	544	1390	14943	17701	34034	5350	704	0	26.1
Feb 2016	854	283	635	15313	17086	17580	34665	607	283	547	1437	15313	17580	34330	1500	631	0	25.9
Mar 2016	859	310	629	15492	17290	17569	34860	608	310	540	1459	15492	17569	34520	1500	1034	0	25.6
Apr 2016	811	316	573	15544	17245	17963	35207	555	316	478	1349	15544	17963	34856	1500	1095	0	25.5
May 2016	734	284	480	15267	16765	18505	35271	469	284	363	1116	15267	18505	34888	1500	1003	0	26.7
Jun 2016	604	230	340	14042	15216	18904	34120	327	228	185	740	14042	18904	33686	1500	925	0	28.2
Jul 2016	395	51	247	12677	13370	19261	32630	101	23	39	163	12677	19261	32101	1500	879	0	28.3
								****CREDITABLE SPACE****										
Aug 2016	311	27	265	12545	13148	19358	32506	311	27	265	603	12545	19358	32506	1500	788	0	28.0
Sep 2016	346	75	298	12752	13471	19315	32786	346	75	298	720	12752	19315	32786	2270	729	0	27.6
Oct 2016	408	143	317	12827	13696	19393	33089	408	143	317	869	12827	19393	33089	3040	484	0	27.4
Nov 2016	466	177	303	12869	13816	19282	33097	466	177	303	946	12869	19282	33097	3810	635	0	27.3
Dec 2016	523	193	299	12961	13976	19314	33290	523	193	299	1015	12961	19314	33290	4580	559	0	27.2
Jan 2017	599	248	301	13271	14418	19036	33454	599	248	301	1148	13271	19036	33454	5350	671	0	27.0
								****EFFECTIVE SPACE****										
Jan 2017	599	248	301	13271	14418	19036	33454	296	248	182	726	13271	19036	33033	5350	671	0	27.0
Feb 2017	669	295	305	13575	14844	18882	33726	365	295	185	846	13575	18882	33302	1500	596	0	26.8
Mar 2017	724	321	299	13755	15099	18791	33890	419	321	178	918	13755	18791	33463	1500	999	0	26.6
Apr 2017	735	327	244	13799	15104	19102	34207	426	327	116	869	13799	19102	33770	1500	1062	0	26.6

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