

**August 24-Month Study**  
**Date: August 10, 2012**

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

**Current Reservoir Status**

Reservoir	July Inflow (unregulated) (acre-feet)	Percent of Average (%)	August 9 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	92,000	52	6503.16	323,000
Flaming Gorge	95,000	45	6022.81	3,080,000
Blue Mesa	30,000	26	7467.56	420,000
Navajo	10,000	16	6044.16	1,159,000
Powell	154,000	14	3626.99	14,519,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this August 2012 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 2012 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2011 24-Month Study projections of the January 1, 2012, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2012.

Consistent with Section 6.A of the Interim Guidelines, the Lake Powell operational tier for water year 2012 is the Equalization Tier. The August 2012 24-Month Study projects the water year release volume from Lake Powell for 2012 to be 9.46 maf.

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 2012.

The Interim Guidelines are available for download at  
<http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.  
The 2012 AOP is available for download at  
<http://www.usbr.gov/lc/region/g4000/aop/AOP12.pdf>.

**Fontenelle Reservoir** – Inflows to Fontenelle Reservoir for the month of July were 92 kaf, or 52% of average. The April through July 2012 runoff season observed inflows totaling 509 kaf, or 70% of average. The reservoir elevation is 6503.16 feet above sea level and 94% of capacity and slowly decreasing. Current inflows are approximately 750 cfs and reservoir releases are 1,100 cfs. Releases will likely be decreased to approximately 975 cfs near the end of August and remain near this level through the fall and winter months.

Inflows for the next three months are projected to be significantly below average: 45 kaf (58%), 35 kaf (76%), 35 kaf (71%) for August, September and October respectively. The Colorado Basin River Forecast Center has also issued the water year 2013 outlook. Inflows for the coming water year are projected to be 955 kaf, or 88% of average.

The next Fontenelle Working Group meeting is scheduled for August 23, 2012 at 10:00 am at the Joint Power's Water Board treatment plant boardroom 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. The spring Fontenelle Working Group meeting was held on April 26, 2012 at Seedskaadee National Wildlife Refuge. Minutes from the meeting are posted on the Working Group webpages.

**Flaming Gorge Reservoir** – Unregulated inflow into Flaming Gorge Reservoir during the month of July was 95,000 acre-feet, or 45 percent of average. The reservoir elevation is 6022.9 feet. Flaming Gorge Reservoir is releasing an average daily rate of 1,300 cubic feet per second (cfs), and scheduled to release between 800 to 1,400 cfs through August and September. The releases will be adjusted to meet the target on the Green River at Jensen, Utah of 1,500 cfs in July and August. The target decreases in September to 1,300 cfs. Winter releases are forecasted to drop between 800-850 cfs during October through February.

The current hydrologic classification is moderately dry based on both the observed April through July unregulated inflow volume into Flaming Gorge Reservoir and the August forecast, discussed below. Flaming Gorge is releasing an average daily release of 1,300 cfs with the hourly release pattern approximated below:

Midnight - 6am: 820cfs,  
6am – 5pm: 1,350cfs  
5pm-10pm- 1,730cfs  
10pm –11pm: 1,450cfs  
11pm – midnight: 820cfs

The Colorado Basin River Forecast Center and Natural Resources Conservation Service have issued the joint water supply observed April-July unregulated inflow volume into Flaming Gorge Reservoir of 572,000 acre-feet (58% of average). The unregulated inflow

volumes and percent of average for August, September and October are forecasted to be 50 kaf (56%), 38 kaf (69%), and 40 kaf (67%), respectively.

The next Flaming Gorge Working Group meeting is scheduled for August 22, 2012, at 1:00 p.m. at the Western Park Convention Center, 302 East 200 South, 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. For more information on this group and these meetings please contact Ed Vidmar at 801-379-1182.

**Aspinall Unit Reservoirs** – July unregulated inflow into Blue Mesa Reservoir was 30,000 acre-feet or 26 percent of average. Hydrologic conditions in the basin had a break from the dry conditions as summer thunderstorms brought in some much needed precipitation during the month. May, June, and July precipitation was 25, 10, and 150 percent of average respectively. The current inflow rate into Blue Mesa Reservoir is about 700 cfs while reservoir releases are averaging about 1,300 cfs.

Blue Mesa's present elevation is 7468.09 feet, which corresponds to a storage content of about 423,000 acre-feet. The observed April through July runoff into Blue Mesa Reservoir was recorded at 206,500 acre-feet, or 31 percent of average. The reservoir reached a high elevation of 7485.02 feet on April 13, 2012, which was approximately 34.38 feet below "full" pool. Full pool is defined by the top of the spillway gates at elevation 7519.4 feet. Rarely is the reservoir filled to that level due to safety. For practical purposes; the reservoir is considered full at elevations above 7516.4 feet.

Releases from Crystal are currently set at 1350 cfs. The Gunnison Diversion Tunnel is diverting about 800 cfs, which results in a river flow below the diversion tunnel of approximately 550 cfs. These rates will most likely change as conditions warrant, primarily as we respond to changes at the Whitewater gage as flows prescribed in the Aspinall Unit Operations Record of Decision (ROD). The ROD calls for keeping flows at the Whitewater gage at or above 900 cfs.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 9, 2012 starting at 1:00 PM 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 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 Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

**Navajo Reservoir** – Unregulated inflow into Navajo Reservoir during the month of July was 10,400 acre-feet, or 16 % of average. Unregulated inflow for the April to July 2012 runoff season was 310 kaf, or 42% of average. The reservoir elevation is 6044.16 feet

above sea level and 68% of capacity. Current inflows are approximately 500 cfs and reservoir releases are approximately 850 cfs. Diversions for NIIP are approximately 750 cfs.

Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target flows through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). A 7-day spring peak release of 5,000 cfs was achieved during the week of May 21<sup>st</sup> through June 1<sup>st</sup>. At the end of the peak release period, the release returned to 500 cfs. The goal of the Navajo spring peak release is to match the timing of the peak of the Animas River in Farmington.

Inflows for the next three months are projected to be significantly below average: 12 kaf (27%), 23 kaf (53%), 28 kaf (60%) for August, September and October respectively. The Colorado Basin River Forecast Center has also issued the water year 2013 outlook. Inflows for the coming water year are projected to be 926 kaf, or 86% of average.

A public meeting on Navajo Reservoir operations is scheduled for Tuesday, August 21, 2012 at 1:00 PM at the Civic Center in Farmington, New Mexico (200 West Arrington Street). At this meeting, review of this spring's reservoir operations, and plans for this summer and fall operations will be discussed. These meetings are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Ryan Christianson in Reclamation's Durango, Colorado Office at (970) 385-6590 for information about these meetings or the daily operation of Navajo Reservoir.

**Glen Canyon Dam / Lake Powell** – The monthly unregulated inflow volume to Lake Powell for July was 154 thousand acre-feet (kaf) (14% of average). The release volume from Glen Canyon Dam in July was 886 kaf. The end of July elevation and storage of Lake Powell was 3628.45 feet (71.55 feet from full pool) and 14.68 maf (60.4% of full capacity). The reservoir elevation is now declining.

The April through July unregulated inflow volume for 2012 was 2.06 maf (29% of average), placing the 2012 April to July season as the third driest on record since the closure of Glen Canyon Dam in 1963. Only 1977 and 2002 had lower April-July unregulated inflow volumes to Lake Powell than what occurred in 2012. In terms of reservoir elevation and storage, Lake Powell reached its peak for water year 2012 on June 3<sup>rd</sup> at 3636.90 ft (63.1 feet from full pool) and 15.640 maf (64.30% of capacity), respectively. The peak elevation in 2012 is 24 feet below the 2011 peak elevation of 3660.90ft.

### **Current Dam Operations**

In August 2011, pursuant to the Interim Guidelines, the Operating Tier for Glen Canyon Dam was established to be the Equalization Tier. Under the Equalization Tier when

conditions dry out as they have this year, the minimum annual release from Lake Powell can generally be as low as 8.23 maf. However, water year 2011 was a very wet Equalization year and not all of the Equalization release volume for 2011 could be achieved by September 30, 2011. As a result, 1.233 maf of the 2011 Equalization release volume was actually released after the end of water year 2011. This increased the minimum release volume for water year 2012 under Equalization to 9.463 maf. Under the dry hydrologic conditions currently projected for Lake Powell, the water year 2012 release volume is projected to be at this minimum Equalization level of 9.463 maf. As hydrologic conditions for Lake Powell and Lake Mead change throughout the year, Reclamation will adjust operations of Glen Canyon Dam to release the appropriate annual volume during 2012 to achieve Equalization objectives as practicably as possible by September 30, 2012.

Releases from Glen Canyon Dam are now averaging about 13,500 cfs with fluctuations for power generation throughout the day that peak near 17,000 cfs in the afternoons and with early morning low level releases are about 9,000 cfs and this operation is consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The release volume for August is scheduled to be 800 kaf and meets the targeted release volume of the 2012 Hydrograph that was approved by the Secretary of the Interior. In September and October, as part of the 2008 FONSI, releases from Glen Canyon Dam will be steady for a steady flow experiment. The targeted release rate for September and October of 2012 is 8,000 cfs, with volumes of 476 kaf and 491kaf, respectively.

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 1100 cfs above or below the hourly scheduled release rate. Typically, fluctuations for system regulation are very short lived and balance out over the hour and do not have noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled fluctuations for power generation when called upon as a partner that shares reserve requirements within the electrical generator community (i.e. balancing area). There are many generators that supply electricity to the transmission system within the balancing area. At times, a participating generator may experience operating conditions such that it cannot make its scheduled delivery of electricity to the system (i.e. unscheduled outage). To provide system reliability, all participating electricity generators within the balancing area maintain a specified level of generation capacity (i.e. reserves) that can be called upon when an unscheduled outage occurs. Glen Canyon Dam typically maintains 113 MW of reserves for this purpose.

Reserve agreements allow the controllers of the balancing area to call upon Glen Canyon Dam to produce up to an additional 113 MW of electricity beyond what is originally scheduled for a given hour. Reserve calls can be maintained for a maximum of 2 hours

after which time the generation rate should be returned to the original schedule. The 113 MW reserve requirement for Glen Canyon Dam translates to approximately 2,800 cfs of flow in the river. When the balancing area controllers call for reserve generation from Glen Canyon Dam, releases from the dam can exceed scheduled levels and have a noticeable impact on the river downstream from Glen Canyon Dam. But these calls for reserves are fairly infrequent and typically are for much less than the required level of 113 MW.

### **Current Inflow Forecasts and Model Projections**

The August 24-Month study projects the annual release volume for water year 2012 will be 9.463 maf and the end of water year reservoir elevation and storage for Lake Powell will be 3623.08 (76.92 feet from full pool) and 14.093 maf (57.9% capacity), respectively.

The hydrologic outlook forecast for water year 2013 projects that the most probable (median) unregulated inflow volume will be 8.85maf (82% of average based on the period 1981-2010). Based on this hydrologic outlook, the August 24-Month Study projects the annual release from lake Powell during water year 2013 will be 8.23 maf and the end of water year 2013 reservoir elevation and storage for Lake Powell to be 3618.19 feet (81.8 feet from full pool) and 13.573 maf (55.8% capacity), respectively.

### **Upper Colorado River Basin Hydrology**

Since water year 2005, hydrologic conditions in the Upper Colorado River Basin have been near average with significant variability from year to year. The unregulated inflow to Lake Powell, which is a good measure of the hydrologic condition in the Colorado River Basin, has averaged a water year volume of 10.98 maf (101% of average (period 1981-2010)) during the period from 2005 through 2011. The hydrologic variability during this period has been from a low water year unregulated inflow volume of 8.62 maf (80% of average) in water year 2006 to a high water year unregulated inflow volume of 15.97 maf (147% of average) which occurred in water year 2011. However, based on observed inflows and current forecasts, water year 2012 unregulated inflow is expected to be 5.15 maf (47.6% of average), which would be the lowest water year unregulated inflow volume since 2002.

Overall reservoir storage in the Colorado River Basin has increased by over 8 maf since the beginning of water year 2005 and this is a significant improvement over the drought conditions during water years 2000 through 2004. On October 1, 2004, the beginning of water year 2005, the total reservoir storage in the Colorado River Basin was 29.84 maf (50.2% of capacity). On October 1, 2011, the beginning of water year 2012, the total reservoir storage in the Colorado River Basin was 38.66 maf (64.8% of capacity). As of August 9, 2012 the total reservoir storage in the Colorado River Basin was 35.18 maf (59.0% of capacity).



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2012 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)
*	Aug 2011	118	2	88	1	89	6502.38	317
H	Sep 2011	49	2	66	0	66	6499.90	298
	<b>WY 2011</b>	<b>1581</b>	<b>14</b>	<b>801</b>	<b>747</b>	<b>1549</b>		
I	Oct 2011	50	1	56	18	74	6496.55	273
S	Nov 2011	46	1	22	49	71	6492.84	247
T	Dec 2011	35	1	74	0	74	6486.86	207
O	Jan 2012	32	1	74	0	74	6479.61	165
R	Feb 2012	30	0	69	0	69	6471.56	126
I	Mar 2012	64	0	67	0	67	6470.82	123
C	Apr 2012	98	1	60	0	60	6478.72	160
A	May 2012	130	1	61	0	62	6489.92	227
L	Jun 2012	189	2	83	16	99	6502.11	315
*	Jul 2012	92	3	72	3	75	6503.94	329
	Aug 2012	45	2	65	0	65	6501.04	307
	Sep 2012	35	2	58	0	58	6497.72	282
	<b>WY 2012</b>	<b>846</b>	<b>15</b>	<b>760</b>	<b>87</b>	<b>846</b>		
	Oct 2012	35	1	60	0	60	6494.08	256
	Nov 2012	34	1	58	0	58	6490.49	231
	Dec 2012	27	1	60	0	60	6485.27	198
	Jan 2013	26	1	60	0	60	6479.31	163
	Feb 2013	24	0	54	0	54	6473.03	132
	Mar 2013	40	0	60	0	60	6468.30	112
	Apr 2013	67	1	59	0	59	6469.98	119
	May 2013	141	1	85	0	85	6481.20	174
	Jun 2013	280	2	102	50	152	6500.01	299
	Jul 2013	169	3	101	21	121	6505.80	344
	Aug 2013	70	2	81	0	81	6504.10	331
	Sep 2013	42	2	69	0	69	6500.40	302
	<b>WY 2013</b>	<b>955</b>	<b>15</b>	<b>850</b>	<b>70</b>	<b>920</b>		
	Oct 2013	46	1	71	0	71	6496.85	276
	Nov 2013	41	1	69	0	69	6492.82	247
	Dec 2013	32	1	71	0	71	6486.82	207
	Jan 2014	30	1	71	0	71	6479.89	166
	Feb 2014	28	0	64	0	64	6472.30	129
	Mar 2014	53	0	71	0	71	6467.87	110
	Apr 2014	85	1	83	0	83	6468.25	112
	May 2014	164	1	98	7	105	6480.54	170
	Jun 2014	299	2	102	70	173	6499.39	294
	Jul 2014	178	3	101	31	132	6504.91	337

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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)
*	Aug 2011	144	115	13	148	0	148	142	6034.95	3544	246
H	Sep 2011	58	76	11	144	0	144	139	6033.03	3467	200
	<b>WY 2011</b>	<b>2414</b>	<b>2381</b>	<b>80</b>	<b>1661</b>	<b>314</b>	<b>1975</b>				<b>5234</b>
I	Oct 2011	74	97	7	120	0	121	138	6032.27	3437	187
S	Nov 2011	64	89	4	88	0	88	138	6032.21	3435	144
T	Dec 2011	38	77	2	108	0	108	137	6031.41	3404	146
O	Jan 2012	45	87	2	148	0	148	134	6029.85	3343	187
R	Feb 2012	47	86	2	140	0	140	132	6028.43	3289	186
I	Mar 2012	104	107	3	162	0	162	130	6026.95	3233	285
C	Apr 2012	136	98	5	122	0	122	129	6026.21	3205	331
A	May 2012	153	85	8	159	19	178	125	6023.57	3108	385
L	Jun 2012	188	98	10	87	0	87	125	6023.59	3108	156
*	Jul 2012	93	76	12	84	0	84	124	6023.04	3088	97
	Aug 2012	50	70	12	80	0	80	123	6022.46	3068	80
	Sep 2012	38	61	11	72	0	72	123	6021.90	3047	72
	<b>WY 2012</b>	<b>1030</b>	<b>1031</b>	<b>78</b>	<b>1369</b>	<b>20</b>	<b>1389</b>				<b>2256</b>
	Oct 2012	40	65	7	52	0	52	123	6022.06	3053	52
	Nov 2012	38	62	3	48	0	48	123	6022.36	3064	48
	Dec 2012	29	62	2	49	0	49	124	6022.66	3075	49
	Jan 2013	34	68	2	49	0	49	124	6023.11	3091	49
	Feb 2013	36	66	2	44	0	44	125	6023.63	3110	44
	Mar 2013	87	107	3	49	0	49	127	6025.06	3163	49
	Apr 2013	112	104	5	48	0	48	129	6026.41	3213	48
	May 2013	195	139	8	95	0	95	131	6027.34	3247	95
	Jun 2013	330	202	10	162	0	162	132	6028.09	3276	162
	Jul 2013	192	144	14	96	0	96	133	6028.97	3309	96
	Aug 2013	77	88	13	96	0	96	132	6028.45	3290	96
	Sep 2013	50	77	11	93	0	93	131	6027.76	3264	93
	<b>WY 2013</b>	<b>1220</b>	<b>1185</b>	<b>79</b>	<b>882</b>	<b>0</b>	<b>882</b>				<b>882</b>
	Oct 2013	55	81	7	96	0	96	130	6027.19	3242	96
	Nov 2013	50	77	3	93	0	93	130	6026.70	3224	93
	Dec 2013	35	74	2	96	0	96	129	6026.09	3201	96
	Jan 2014	40	81	2	96	0	96	128	6025.66	3185	96
	Feb 2014	45	81	2	87	0	87	128	6025.46	3177	87
	Mar 2014	102	121	3	96	0	96	129	6026.03	3198	96
	Apr 2014	134	131	5	93	0	93	130	6026.90	3231	93
	May 2014	245	186	8	138	0	138	131	6027.93	3270	138
	Jun 2014	390	263	10	224	0	224	133	6028.66	3298	224
	Jul 2014	210	165	14	101	0	101	135	6029.91	3345	101

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2012 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)
*	Aug 2011	12	24	9318.44	84
H	Sep 2011	7	20	9310.68	71
<b>WY 2011</b>		<b>179</b>	<b>181</b>		
I	Oct 2011	7	9	9309.52	69
S	Nov 2011	5	6	9309.15	69
T	Dec 2011	4	6	9307.93	67
O	Jan 2012	4	5	9307.37	66
R	Feb 2012	4	4	9307.22	66
I	Mar 2012	6	4	9308.28	67
C	Apr 2012	10	4	9311.81	73
A	May 2012	16	8	9316.40	81
L	Jun 2012	9	15	9312.87	75
*	Jul 2012	6	14	9307.53	66
	Aug 2012	5	18	9298.04	53
	Sep 2012	4	12	9291.53	45
<b>WY 2012</b>		<b>79</b>	<b>106</b>		
	Oct 2012	4	6	9289.75	43
	Nov 2012	3	5	9288.56	41
	Dec 2012	3	5	9287.14	40
	Jan 2013	3	5	9285.39	38
	Feb 2013	2	5	9283.04	36
	Mar 2013	3	5	9280.90	34
	Apr 2013	6	5	9281.98	35
	May 2013	22	8	9294.98	49
	Jun 2013	37	15	9310.47	71
	Jul 2013	16	18	9309.01	68
	Aug 2013	8	18	9302.30	58
	Sep 2013	6	16	9294.73	48
<b>WY 2013</b>		<b>112</b>	<b>108</b>		
	Oct 2013	6	10	9291.21	44
	Nov 2013	5	5	9291.46	44
	Dec 2013	5	5	9291.62	45
	Jan 2014	4	5	9291.49	44
	Feb 2014	4	5	9290.87	44
	Mar 2014	4	5	9290.82	44
	Apr 2014	9	5	9294.45	48
	May 2014	28	14	9305.02	62
	Jun 2014	42	20	9318.36	84
	Jul 2014	20	22	9317.31	82

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2012 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)
*	Aug 2011	67	79	1	123	0	123	7511.67	760
H	Sep 2011	35	48	1	108	0	108	7504.54	699
	<b>WY 2011</b>	<b>1162</b>	<b>1163</b>	<b>8</b>	<b>1046</b>	<b>19</b>	<b>1065</b>		
I	Oct 2011	36	38	1	93	0	93	7497.84	644
S	Nov 2011	29	29	0	37	0	37	7496.82	635
T	Dec 2011	24	26	0	87	0	87	7489.07	574
O	Jan 2012	22	23	0	52	0	52	7485.29	545
R	Feb 2012	21	22	0	34	0	34	7483.66	533
I	Mar 2012	40	39	0	32	0	32	7484.49	539
C	Apr 2012	57	51	1	58	0	58	7483.54	532
A	May 2012	74	66	1	71	0	71	7482.82	527
L	Jun 2012	45	50	1	93	0	93	7476.82	483
*	Jul 2012	30	39	1	90	0	90	7469.29	431
	Aug 2012	25	39	1	97	0	97	7460.07	372
	Sep 2012	20	28	1	79	0	79	7451.32	320
	<b>WY 2012</b>	<b>424</b>	<b>451</b>	<b>7</b>	<b>822</b>	<b>0</b>	<b>822</b>		
	Oct 2012	22	24	0	42	0	42	7448.02	302
	Nov 2012	19	20	0	16	0	16	7448.77	306
	Dec 2012	17	19	0	17	0	17	7449.02	307
	Jan 2013	15	17	0	18	0	18	7448.78	306
	Feb 2013	14	16	0	16	0	16	7448.90	306
	Mar 2013	24	26	0	20	0	20	7450.01	313
	Apr 2013	59	58	1	32	0	32	7454.47	338
	May 2013	182	168	1	91	0	91	7466.76	414
	Jun 2013	226	204	1	37	0	37	7489.83	580
	Jul 2013	91	93	1	88	0	88	7490.34	584
	Aug 2013	51	61	1	97	0	97	7485.58	547
	Sep 2013	35	45	1	83	0	83	7480.36	509
	<b>WY 2013</b>	<b>755</b>	<b>751</b>	<b>7</b>	<b>556</b>	<b>0</b>	<b>556</b>		
	Oct 2013	36	40	0	43	0	43	7479.93	505
	Nov 2013	30	30	0	15	0	15	7482.01	521
	Dec 2013	26	25	0	15	0	15	7483.44	531
	Jan 2014	24	24	0	30	0	30	7482.67	526
	Feb 2014	22	23	0	38	0	38	7480.62	511
	Mar 2014	36	36	0	41	0	41	7479.89	505
	Apr 2014	77	73	1	51	0	51	7482.76	526
	May 2014	221	207	1	118	0	118	7494.16	614
	Jun 2014	261	239	1	64	0	64	7514.79	788
	Jul 2014	117	119	2	103	0	103	7516.40	802

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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)
*	Aug 2011	68	123	1	125	124	0	124	7155.77	114
H	Sep 2011	36	108	1	109	115	0	115	7148.00	108
	<b>WY 2011</b>	<b>1236</b>	<b>1065</b>	<b>74</b>	<b>1139</b>	<b>1133</b>	<b>0</b>	<b>1139</b>		
I	Oct 2011	37	93	1	94	91	0	91	7151.08	110
S	Nov 2011	30	37	2	39	38	0	38	7151.73	110
T	Dec 2011	25	87	0	88	85	0	85	7154.97	113
O	Jan 2012	23	52	1	53	52	0	52	7155.61	113
R	Feb 2012	22	34	1	35	35	0	35	7155.27	113
I	Mar 2012	43	32	2	35	34	0	34	7156.25	114
C	Apr 2012	63	58	6	64	63	0	63	7157.05	115
A	May 2012	80	71	6	76	79	0	79	7154.07	112
L	Jun 2012	45	93	1	93	93	0	93	7154.59	113
*	Jul 2012	31	90	0	90	89	0	89	7155.86	114
	Aug 2012	26	97	1	98	100	0	100	7153.73	112
	Sep 2012	22	79	2	81	81	0	81	7153.73	112
	<b>WY 2012</b>	<b>447</b>	<b>822</b>	<b>23</b>	<b>845</b>	<b>840</b>	<b>0</b>	<b>840</b>		
	Oct 2012	24	42	2	44	44	0	44	7153.73	112
	Nov 2012	21	16	2	18	18	0	18	7153.73	112
	Dec 2012	18	17	1	18	18	0	18	7153.73	112
	Jan 2013	16	18	1	19	19	0	19	7153.73	112
	Feb 2013	15	16	1	17	17	0	17	7153.73	112
	Mar 2013	27	20	3	23	23	0	23	7153.73	112
	Apr 2013	68	32	9	41	41	0	41	7153.73	112
	May 2013	202	91	20	111	111	0	111	7153.73	112
	Jun 2013	242	37	16	53	53	0	53	7153.73	112
	Jul 2013	95	88	4	92	92	0	92	7153.73	112
	Aug 2013	55	97	4	101	101	0	101	7153.73	112
	Sep 2013	37	83	2	85	85	0	85	7153.73	112
	<b>WY 2013</b>	<b>820</b>	<b>556</b>	<b>65</b>	<b>621</b>	<b>621</b>	<b>0</b>	<b>621</b>		
	Oct 2013	38	43	2	45	45	0	45	7153.73	112
	Nov 2013	32	15	2	17	17	0	17	7153.73	112
	Dec 2013	28	15	2	17	17	0	17	7153.73	112
	Jan 2014	27	30	2	32	32	0	32	7153.73	112
	Feb 2014	25	38	3	41	41	0	41	7153.73	112
	Mar 2014	40	41	4	45	45	0	45	7153.73	112
	Apr 2014	88	51	11	62	62	0	62	7153.73	112
	May 2014	247	118	26	144	144	0	144	7153.73	112
	Jun 2014	281	64	20	84	84	0	84	7153.73	112
	Jul 2014	123	103	6	109	109	0	109	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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)
*	Aug 2011	75	124	7	131	126	2	129	6748.39	16	66	70
H	Sep 2011	39	115	4	119	120	0	120	6744.21	14	64	62
	<b>WY 2011</b>	<b>1375</b>	<b>1139</b>	<b>139</b>	<b>1278</b>	<b>1008</b>	<b>235</b>	<b>1279</b>			<b>413</b>	<b>912</b>
I	Oct 2011	41	91	4	96	94	0	94	6749.65	16	53	44
S	Nov 2011	34	38	4	42	41	1	41	6751.53	17	1	41
T	Dec 2011	28	85	3	88	89	0	89	6750.95	16	1	90
O	Jan 2012	27	52	3	56	53	3	56	6751.28	16	1	57
R	Feb 2012	26	35	3	38	15	23	38	6751.90	17	1	40
I	Mar 2012	49	34	6	40	40	0	40	6751.80	17	6	36
C	Apr 2012	71	63	8	71	71	0	71	6752.10	17	50	23
A	May 2012	86	79	6	84	86	0	86	6745.87	15	65	23
L	Jun 2012	49	93	3	96	97	0	97	6744.24	14	63	36
*	Jul 2012	35	89	4	93	93	0	93	6745.39	15	62	35
	Aug 2012	30	100	4	104	101	0	101	6753.04	17	65	36
	Sep 2012	26	81	4	85	85	0	85	6753.04	17	55	30
	<b>WY 2012</b>	<b>500</b>	<b>840</b>	<b>53</b>	<b>893</b>	<b>864</b>	<b>26</b>	<b>891</b>			<b>420</b>	<b>491</b>
	Oct 2012	29	44	5	49	49	0	49	6753.04	17	30	19
	Nov 2012	24	18	3	21	21	0	21	6753.04	17	0	21
	Dec 2012	21	18	3	21	21	0	21	6753.04	17	0	21
	Jan 2013	19	19	3	22	22	0	22	6753.04	17	0	22
	Feb 2013	18	17	3	20	20	0	20	6753.04	17	0	20
	Mar 2013	31	23	4	27	27	0	27	6753.04	17	5	21
	Apr 2013	78	41	10	51	51	0	51	6753.04	17	30	21
	May 2013	230	111	28	139	134	5	139	6753.04	17	55	84
	Jun 2013	270	53	28	81	81	0	81	6753.04	17	60	21
	Jul 2013	105	92	10	102	102	0	102	6753.04	17	65	37
	Aug 2013	60	101	5	106	106	0	106	6753.04	17	65	41
	Sep 2013	43	85	6	91	91	0	91	6753.04	17	55	36
	<b>WY 2013</b>	<b>928</b>	<b>621</b>	<b>108</b>	<b>729</b>	<b>724</b>	<b>5</b>	<b>729</b>			<b>365</b>	<b>363</b>
	Oct 2013	44	45	6	51	51	0	51	6753.04	17	30	21
	Nov 2013	37	17	5	21	21	0	21	6753.04	17	0	21
	Dec 2013	32	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2014	31	32	5	37	37	0	37	6753.04	17	0	37
	Feb 2014	29	41	4	44	44	0	44	6753.04	17	0	44
	Mar 2014	46	45	6	51	51	0	51	6753.04	17	5	46
	Apr 2014	101	62	12	75	75	0	75	6753.04	17	30	45
	May 2014	281	144	34	178	134	44	178	6753.04	17	55	123
	Jun 2014	315	84	34	118	118	0	118	6753.04	17	60	58
	Jul 2014	138	109	14	123	123	0	123	6753.04	17	65	58

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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)
*	Aug 2011	9	37	7647.29	81
H	Sep 2011	8	29	7637.58	59
<b>WY 2011</b>		<b>225</b>	<b>222</b>		
I	Oct 2011	15	9	7640.42	65
S	Nov 2011	9	2	7643.33	72
T	Dec 2011	5	2	7644.76	75
O	Jan 2012	5	3	7645.42	76
R	Feb 2012	4	4	7645.50	76
I	Mar 2012	12	4	7648.84	84
C	Apr 2012	36	3	7661.80	117
A	May 2012	42	35	7664.36	124
L	Jun 2012	17	36	7656.80	104
*	Jul 2012	11	35	7647.02	80
	Aug 2012	10	30	7637.66	59
	Sep 2012	11	16	7635.00	54
<b>WY 2012</b>		<b>177</b>	<b>179</b>		
	Oct 2012	9	6	7636.53	57
	Nov 2012	6	1	7638.69	62
	Dec 2012	5	2	7640.30	65
	Jan 2013	4	2	7641.50	68
	Feb 2013	4	1	7642.43	70
	Mar 2013	6	2	7644.35	74
	Apr 2013	19	3	7651.25	90
	May 2013	70	34	7664.96	125
	Jun 2013	75	75	7664.62	124
	Jul 2013	28	42	7659.29	110
	Aug 2013	19	38	7651.65	91
	Sep 2013	15	30	7645.32	76
<b>WY 2013</b>		<b>260</b>	<b>235</b>		
	Oct 2013	14	17	7643.89	73
	Nov 2013	8	5	7645.26	76
	Dec 2013	6	5	7645.68	77
	Jan 2014	5	5	7645.66	77
	Feb 2014	5	5	7645.70	77
	Mar 2014	9	3	7648.00	82
	Apr 2014	23	3	7656.18	102
	May 2014	71	48	7664.97	125
	Jun 2014	70	70	7664.93	125
	Jul 2014	29	42	7659.99	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2012 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)
* Aug 2011	3	2	29	4	47	46	6060.64	1356	47
H Sep 2011	15	2	35	3	20	40	6058.35	1327	53
<b>WY 2011</b>	<b>737</b>	<b>93</b>	<b>641</b>	<b>28</b>	<b>220</b>	<b>478</b>			<b>891</b>
I Oct 2011	54	4	44	2	10	33	6058.32	1327	55
S Nov 2011	31	1	23	1	0	21	6058.38	1327	47
T Dec 2011	19	0	16	1	1	31	6057.10	1311	54
O Jan 2012	18	0	16	1	1	30	6055.85	1296	50
R Feb 2012	19	0	18	1	1	28	6054.95	1285	46
I Mar 2012	74	7	61	2	6	31	6056.81	1308	70
C Apr 2012	149	18	98	2	27	30	6059.88	1346	96
A May 2012	131	17	105	4	34	110	6056.40	1303	176
L Jun 2012	20	4	35	4	46	42	6051.70	1246	57
* Jul 2012	10	1	33	4	44	52	6045.91	1178	60
Aug 2012	12	0	32	3	39	52	6040.27	1116	52
Sep 2012	23	0	28	2	22	36	6037.25	1083	36
<b>WY 2012</b>	<b>559</b>	<b>53</b>	<b>508</b>	<b>26</b>	<b>230</b>	<b>496</b>			<b>798</b>
Oct 2012	28	0	25	1	6	22	6036.85	1079	22
Nov 2012	22	0	17	1	0	21	6036.46	1075	21
Dec 2012	19	0	16	1	0	22	6035.84	1068	22
Jan 2013	16	0	13	1	0	22	6035.00	1060	22
Feb 2013	21	0	19	1	0	19	6034.88	1059	19
Mar 2013	71	3	64	1	2	22	6038.59	1098	22
Apr 2013	145	15	114	2	18	21	6045.27	1171	21
May 2013	260	37	187	3	32	95	6050.14	1227	95
Jun 2013	225	31	194	4	48	31	6059.28	1339	31
Jul 2013	50	6	58	4	53	25	6057.28	1314	25
Aug 2013	38	2	55	3	45	34	6055.07	1286	34
Sep 2013	31	0	45	3	26	29	6054.13	1275	29
<b>WY 2013</b>	<b>926</b>	<b>94</b>	<b>806</b>	<b>25</b>	<b>229</b>	<b>361</b>			<b>361</b>
Oct 2013	38	1	40	2	7	22	6054.94	1285	22
Nov 2013	30	1	26	1	0	21	6055.33	1289	21
Dec 2013	25	0	24	1	0	22	6055.47	1291	22
Jan 2014	22	0	22	1	0	22	6055.45	1291	22
Feb 2014	30	0	30	1	0	19	6056.25	1301	19
Mar 2014	92	3	84	2	2	22	6060.95	1360	22
Apr 2014	170	15	135	3	18	38	6066.85	1438	38
May 2014	277	37	216	4	33	122	6071.05	1495	122
Jun 2014	224	31	192	5	48	198	6066.72	1436	198
Jul 2014	66	6	73	5	53	22	6066.21	1429	22

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 (1000 Ac-Ft)
*	Aug 2011	664	780	74	1479	0	1479	3655.34	5485	17890	1501
H	Sep 2011	456	669	67	922	0	922	3653.01	5461	17593	957
	<b>WY 2011</b>	<b>15971</b>	<b>15498</b>	<b>467</b>	<b>12518</b>	<b>0</b>	<b>12518</b>				<b>12731</b>
I	Oct 2011	513	630	45	956	0	956	3650.27	5434	17249	979
S	Nov 2011	506	530	43	1099	0	1099	3645.67	5388	16683	1104
T	Dec 2011	363	490	33	1223	0	1223	3639.75	5332	15974	1226
O	Jan 2012	356	503	10	852	0	852	3636.91	5305	15641	846
R	Feb 2012	342	460	11	653	0	653	3635.28	5290	15453	654
I	Mar 2012	560	625	19	600	0	600	3635.33	5290	15458	607
C	Apr 2012	764	689	29	606	0	606	3635.76	5294	15508	612
A	May 2012	792	770	35	601	0	601	3636.83	5304	15632	606
L	Jun 2012	353	398	54	709	0	709	3633.90	5277	15294	712
*	Jul 2012	154	285	62	886	0	886	3628.45	5228	14680	892
	Aug 2012	200	381	60	802	0	802	3624.39	5192	14234	802
	Sep 2012	250	378	54	476	0	476	3623.08	5181	14093	476
	<b>WY 2012</b>	<b>5153</b>	<b>6138</b>	<b>456</b>	<b>9463</b>	<b>0</b>	<b>9463</b>				<b>9517</b>
	Oct 2012	350	382	37	491	0	491	3621.82	5170	13957	491
	Nov 2012	350	355	36	600	0	600	3619.37	5149	13697	600
	Dec 2012	300	323	28	800	0	800	3614.89	5112	13229	800
	Jan 2013	275	299	9	800	0	800	3610.27	5074	12757	800
	Feb 2013	275	283	9	675	0	675	3606.55	5045	12386	675
	Mar 2013	475	388	15	600	0	600	3604.41	5028	12176	600
	Apr 2013	750	567	24	600	0	600	3603.87	5024	12123	600
	May 2013	1850	1564	29	600	0	600	3612.56	5093	12990	600
	Jun 2013	2400	1928	47	800	0	800	3622.13	5173	13991	800
	Jul 2013	1000	935	58	840	0	840	3622.45	5176	14025	840
	Aug 2013	450	557	58	824	0	824	3619.63	5152	13724	824
	Sep 2013	375	489	53	600	0	600	3618.19	5139	13573	600
	<b>WY 2013</b>	<b>8850</b>	<b>8070</b>	<b>402</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8230</b>
	Oct 2013	484	523	36	600	0	600	3617.19	5131	13468	600
	Nov 2013	460	479	35	600	0	600	3615.80	5120	13323	600
	Dec 2013	363	409	27	800	0	800	3612.03	5089	12936	800
	Jan 2014	361	422	8	800	0	800	3608.49	5060	12579	800
	Feb 2014	393	440	9	600	0	600	3606.91	5047	12422	600
	Mar 2014	665	598	15	600	0	600	3606.75	5046	12406	600
	Apr 2014	1056	888	24	600	0	600	3609.20	5066	12650	600
	May 2014	2343	2047	30	600	0	600	3621.87	5171	13963	600
	Jun 2014	2666	2357	51	650	0	650	3635.66	5293	15496	650
	Jul 2014	1091	983	64	890	0	890	3635.89	5296	15523	890

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow (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)
*	Aug 2011	1479	96	80	831	13.5	28	829	827	1113.45	12730
H	Sep 2011	922	96	67	670	11.3	18	668	844	1116.04	12977
	<b>WY 2011</b>	<b>12518</b>	<b>1157</b>	<b>578</b>	<b>9799</b>		<b>225</b>	<b>9676</b>			
I	Oct 2011	956	66	49	443	7.2	20	436	875	1121.00	13456
S	Nov 2011	1099	36	50	564	9.5	13	561	906	1125.82	13933
T	Dec 2011	1223	84	45	497	8.1	9	482	952	1132.83	14644
O	Jan 2012	852	55	37	713	11.6	9	712	976	1134.18	15022
R	Feb 2012	653	44	34	775	13.5	10	775	969	1133.06	14907
I	Mar 2012	600	43	38	986	16.0	16	985	945	1129.41	14535
C	Apr 2012	606	46	46	1170	19.7	20	1163	909	1123.93	13986
A	May 2012	601	16	52	1008	16.4	30	1007	880	1119.38	13541
L	Jun 2012	709	8	62	989	16.6	29	989	858	1115.84	13200
*	Jul 2012	886	70	77	841	13.7	29	819	858	1115.92	13207
	Aug 2012	802	103	82	759	12.3	28	759	861	1116.28	13242
	Sep 2012	476	74	67	718	12.1	18	718	845	1113.80	13005
	<b>WY 2012</b>	<b>9463</b>	<b>645</b>	<b>638</b>	<b>9464</b>		<b>232</b>	<b>9405</b>			
	Oct 2012	491	49	49	324	5.3	20	324	854	1115.25	13143
	Nov 2012	600	46	49	529	8.9	18	529	857	1115.73	13190
	Dec 2012	800	108	42	501	8.2	15	501	879	1119.14	13517
	Jan 2013	800	78	35	671	10.9	16	671	888	1120.64	13664
	Feb 2013	675	98	32	677	12.2	15	677	891	1121.11	13710
	Mar 2013	600	78	36	1031	16.8	21	1031	866	1117.15	13325
	Apr 2013	600	76	44	1105	18.6	17	1105	836	1112.32	12865
	May 2013	600	64	50	988	16.1	27	988	812	1108.29	12488
	Jun 2013	800	33	59	932	15.7	23	932	801	1106.45	12318
	Jul 2013	840	54	73	928	15.1	25	928	793	1105.09	12194
	Aug 2013	824	103	77	836	13.6	27	836	792	1104.95	12182
	Sep 2013	600	74	64	655	11.0	19	655	788	1104.30	12123
	<b>WY 2013</b>	<b>8230</b>	<b>861</b>	<b>610</b>	<b>9177</b>		<b>245</b>	<b>9177</b>			
	Oct 2013	600	49	46	433	7.0	23	433	797	1105.81	12260
	Nov 2013	600	46	47	523	8.8	22	523	800	1106.36	12311
	Dec 2013	800	108	41	454	7.4	17	454	824	1110.38	12683
	Jan 2014	800	78	34	674	11.0	20	674	834	1111.89	12824
	Feb 2014	600	98	31	680	12.2	18	680	832	1111.58	12795
	Mar 2014	600	78	34	1034	16.8	24	1034	806	1107.39	12405
	Apr 2014	600	76	42	1109	18.6	20	1109	776	1102.28	11940
	May 2014	600	64	47	992	16.1	31	992	751	1098.01	11558
	Jun 2014	650	33	56	936	15.7	26	936	731	1094.44	11244
	Jul 2014	890	54	70	932	15.2	28	932	726	1093.52	11163

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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)
*	Aug 2011	831	-6	23	822	0	822	13.4	642.38	1682
H	Sep 2011	670	-6	18	717	0	717	12.1	639.73	1610
	<b>WY 2011</b>	<b>9799</b>	<b>-120</b>	<b>198</b>	<b>9446</b>	<b>0</b>	<b>9446</b>			
I	Oct 2011	443	7	15	611	0	611	9.9	633.03	1435
S	Nov 2011	564	-11	10	466	0	466	7.8	635.99	1511
T	Dec 2011	497	-28	9	385	0	385	6.3	638.82	1586
O	Jan 2012	713	-23	10	638	0	638	10.4	640.38	1628
R	Feb 2012	775	-18	10	726	0	726	12.6	641.20	1650
I	Mar 2012	986	-23	13	931	0	931	15.1	641.93	1670
C	Apr 2012	1170	-24	17	1091	0	1091	18.3	643.35	1708
A	May 2012	1008	-14	22	980	0	980	15.9	643.06	1700
L	Jun 2012	989	-19	25	952	0	952	16.0	642.80	1693
*	Jul 2012	841	-9	25	805	0	805	13.1	642.89	1696
	Aug 2012	759	-7	23	747	0	747	12.2	642.20	1677
	Sep 2012	718	0	18	772	0	772	13.0	639.51	1604
	<b>WY 2012</b>	<b>9464</b>	<b>-170</b>	<b>197</b>	<b>9103</b>	<b>0</b>	<b>9103</b>			
	Oct 2012	324	0	14	543	0	543	8.8	630.49	1371
	Nov 2012	529	-15	10	390	0	390	6.5	635.00	1486
	Dec 2012	501	-19	9	376	0	376	6.1	638.71	1583
	Jan 2013	671	-13	10	565	0	565	9.2	641.80	1666
	Feb 2013	677	-6	10	661	0	661	11.9	641.80	1666
	Mar 2013	1031	-14	13	969	0	969	15.8	643.05	1700
	Apr 2013	1105	-14	17	1076	0	1076	18.1	643.00	1699
	May 2013	988	-14	22	952	0	952	15.5	643.00	1699
	Jun 2013	932	-10	25	924	0	924	15.5	642.00	1671
	Jul 2013	928	-4	25	912	0	912	14.8	641.50	1658
	Aug 2013	836	-7	23	806	0	806	13.1	641.50	1658
	Sep 2013	655	0	18	730	0	730	12.3	638.00	1564
	<b>WY 2013</b>	<b>9177</b>	<b>-118</b>	<b>196</b>	<b>8902</b>	<b>0</b>	<b>8902</b>			
	Oct 2013	433	0	15	549	0	549	8.9	633.00	1434
	Nov 2013	523	-15	10	446	0	446	7.5	635.00	1486
	Dec 2013	454	-19	9	328	0	328	5.3	638.71	1583
	Jan 2014	674	-13	10	568	0	568	9.2	641.80	1666
	Feb 2014	680	-6	10	664	0	664	12.0	641.80	1666
	Mar 2014	1034	-14	13	973	0	973	15.8	643.05	1700
	Apr 2014	1109	-14	17	1080	0	1080	18.2	643.00	1699
	May 2014	992	-14	22	956	0	956	15.5	643.00	1699
	Jun 2014	936	-10	25	927	0	927	15.6	642.00	1671
	Jul 2014	932	-4	25	916	0	916	14.9	641.50	1658

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Aug 2011	822	25	17	669	10.9	91	60	448.13	583	97	1.6
H	Sep 2011	717	30	15	538	9.0	83	102	448.28	585	91	1.5
	<b>WY 2011</b>	<b>9446</b>	<b>263</b>	<b>140</b>	<b>6837</b>		<b>963</b>	<b>1657</b>			<b>1634</b>	
I	Oct 2011	611	31	12	472	7.7	8	149	447.97	579	62	1.0
S	Nov 2011	466	37	9	321	5.4	7	175	447.32	567	93	1.6
T	Dec 2011	385	27	6	267	4.3	15	151	445.69	537	108	1.7
O	Jan 2012	638	11	6	382	6.2	54	187	446.61	554	131	2.1
R	Feb 2012	726	10	8	497	8.6	49	169	447.10	563	159	2.8
I	Mar 2012	931	8	9	711	11.6	21	187	447.23	565	187	3.0
C	Apr 2012	1091	23	11	785	13.2	97	180	449.13	602	183	3.1
A	May 2012	980	25	13	709	11.5	100	179	448.81	596	99	1.6
L	Jun 2012	952	10	15	719	12.1	97	130	448.23	584	103	1.7
*	Jul 2012	805	47	17	675	11.0	101	35	448.91	598	124	2.0
	Aug 2012	747	22	17	577	9.4	101	69	448.50	589	92	1.5
	Sep 2012	772	20	15	555	9.3	77	148	447.80	576	89	1.5
	<b>WY 2012</b>	<b>9103</b>	<b>273</b>	<b>140</b>	<b>6668</b>		<b>726</b>	<b>1758</b>			<b>1430</b>	
	Oct 2012	543	23	12	445	7.2	2	127	446.31	548	55	0.9
	Nov 2012	390	32	8	366	6.1	2	35	446.50	552	86	1.4
	Dec 2012	376	26	6	260	4.2	2	128	446.50	552	89	1.5
	Jan 2013	565	15	6	348	5.7	82	140	446.50	552	122	2.0
	Feb 2013	661	7	8	448	8.1	72	135	446.50	552	153	2.8
	Mar 2013	969	18	9	708	11.5	82	177	446.70	555	208	3.4
	Apr 2013	1076	19	11	788	13.2	78	171	448.70	593	200	3.4
	May 2013	952	18	13	686	11.2	82	177	448.70	593	111	1.8
	Jun 2013	924	15	16	677	11.4	78	154	448.70	593	112	1.9
	Jul 2013	912	21	17	736	12.0	82	98	448.00	580	118	1.9
	Aug 2013	806	22	17	629	10.2	82	97	447.50	571	92	1.5
	Sep 2013	730	20	15	540	9.1	52	146	446.81	557	89	1.5
	<b>WY 2013</b>	<b>8902</b>	<b>237</b>	<b>139</b>	<b>6629</b>		<b>696</b>	<b>1587</b>			<b>1437</b>	
	Oct 2013	549	23	12	447	7.3	5	109	446.31	548	72	1.2
	Nov 2013	446	32	8	378	6.4	5	77	446.50	552	105	1.8
	Dec 2013	328	26	6	282	4.6	6	55	446.50	552	118	1.9
	Jan 2014	568	15	6	350	5.7	82	140	446.50	552	122	2.0
	Feb 2014	664	7	8	451	8.1	72	135	446.50	552	153	2.8
	Mar 2014	973	18	9	711	11.6	82	177	446.70	555	208	3.4
	Apr 2014	1080	19	11	792	13.3	78	171	448.70	593	200	3.4
	May 2014	956	18	13	690	11.2	82	177	448.70	593	111	1.8
	Jun 2014	927	15	16	681	11.4	78	154	448.70	593	112	1.9
	Jul 2014	916	21	17	740	12.0	82	98	448.00	580	118	1.9

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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
*	Aug 2011	831	13.5	1113.45	12730	597	469.04	1721.0	338.8	100	407.7
H	Sep 2011	670	11.3	1116.04	12977	247	473.88	1757.0	272.0	100	406.1
<b>WY 2011</b>		<b>9799</b>							<b>3848.4</b>		
I	Oct 2011	443	7.2	1121.00	13456	479	478.70	1311.0	178.9	74	403.5
S	Nov 2011	564	9.5	1125.82	13933	477	481.61	1110.0	233.8	61	414.3
T	Dec 2011	497	8.1	1132.83	14644	711	488.04	1374.0	207.2	75	417.3
O	Jan 2012	713	11.6	1134.18	15022	139	485.97	1146.0	308.0	61	432.1
R	Feb 2012	775	13.5	1133.06	14907	-115	484.32	1282.0	338.6	68	436.7
I	Mar 2012	986	16.0	1129.41	14535	-372	481.45	1047.0	427.4	56	433.4
C	Apr 2012	1170	19.7	1123.93	13986	-548	475.07	1164.0	505.3	62	432.0
A	May 2012	1008	16.4	1119.38	13541	-445	471.90	1050.0	429.0	56	425.4
L	Jun 2012	989	16.6	1115.84	13200	-341	470.21	1829.0	414.2	100	418.8
*	Jul 2012	841	13.7	1115.92	13207	8	471.23	1374.0	349.7	76	415.6
	Aug 2012	759	12.3	1116.28	13242	35	462.64	1809.0	312.6	100	412.1
	Sep 2012	718	12.1	1113.80	13005	-237	462.70	1780.0	294.9	100	410.9
<b>WY 2012</b>		<b>9464</b>							<b>3999.8</b>		
	Oct 2012	324	5.3	1115.25	13143	138	466.23	1507.0	124.2	85	383.0
	Nov 2012	529	8.9	1115.73	13190	46	471.67	1262.0	217.4	71	410.6
	Dec 2012	501	8.2	1119.14	13517	328	470.11	1410.0	208.5	78	415.9
	Jan 2013	671	10.9	1120.64	13664	146	472.41	1073.0	283.1	59	421.8
	Feb 2013	677	12.2	1121.11	13710	46	472.38	1076.0	290.2	59	428.9
	Mar 2013	1031	16.8	1117.15	13325	-385	468.14	1402.0	436.0	78	423.0
	Apr 2013	1105	18.6	1112.32	12865	-460	462.47	1525.0	466.4	86	422.0
	May 2013	988	16.1	1108.29	12488	-377	457.89	1535.0	403.8	88	408.6
	Jun 2013	932	15.7	1106.45	12318	-170	454.00	1732.0	380.9	100	408.7
	Jul 2013	928	15.1	1105.09	12194	-124	452.90	1725.0	376.6	100	405.8
	Aug 2013	836	13.6	1104.95	12182	-13	452.32	1725.0	341.8	100	408.9
	Sep 2013	655	11.0	1104.30	12123	-59	453.07	1722.0	260.8	100	398.4
<b>WY 2013</b>		<b>9177</b>							<b>3789.6</b>		
	Oct 2013	433	7.0	1105.81	12260	138	457.07	1501.0	172.3	87	397.7
	Nov 2013	523	8.8	1106.36	12311	50	459.63	1520.0	208.4	88	398.4
	Dec 2013	454	7.4	1110.38	12683	372	460.02	1543.0	182.5	88	402.3
	Jan 2014	674	11.0	1111.89	12824	142	463.69	1039.9	279.9	59	415.5
	Feb 2014	680	12.2	1111.58	12795	-29	463.27	1041.1	286.8	59	421.9
	Mar 2014	1034	16.8	1107.39	12405	-390	458.54	1373.9	429.7	78	415.5
	Apr 2014	1109	18.6	1102.28	11940	-465	452.63	1518.1	459.1	86	413.9
	May 2014	992	16.1	1098.01	11558	-382	447.79	1549.1	397.5	88	400.6
	Jun 2014	936	15.7	1094.44	11244	-315	442.94	1758.0	374.1	100	399.7
	Jul 2014	932	15.2	1093.52	11163	-81	441.20	1758.0	369.4	100	396.3

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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
*	Aug 2011	822	13.4	642.38	1682	-20	140.95	255.0	103.5	100	125.9
H	Sep 2011	717	12.1	639.73	1610	-72	137.99	255.0	90.2	100	125.8
<b>WY 2011</b>		<b>9446</b>							<b>1182.3</b>		
I	Oct 2011	611	9.9	633.03	1435	-175	133.41	181.1	74.4	71	121.8
S	Nov 2011	466	7.8	635.99	1511	76	134.28	170.9	57.0	67	122.2
T	Dec 2011	385	6.3	638.82	1586	74	135.59	173.4	48.1	68	124.9
O	Jan 2012	638	10.4	640.38	1628	42	138.75	170.9	77.2	67	121.0
R	Feb 2012	726	12.6	641.20	1650	22	140.80	163.2	90.8	64	125.1
I	Mar 2012	931	15.1	641.93	1670	20	140.23	204.0	117.4	80	126.2
C	Apr 2012	1091	18.3	643.35	1708	39	142.08	249.9	147.4	98	135.2
A	May 2012	980	15.9	643.06	1700	-8	141.39	252.5	128.9	99	131.5
L	Jun 2012	952	16.0	642.80	1693	-7	140.12	255.0	122.6	100	128.8
*	Jul 2012	805	13.1	642.89	1696	2	143.36	255.0	100.7	100	125.1
	Aug 2012	747	12.2	642.20	1677	-19	135.63	252.5	94.0	99	125.8
	Sep 2012	772	13.0	639.51	1604	-73	133.79	255.0	95.7	100	124.0
<b>WY 2012</b>		<b>9103</b>							<b>1154.2</b>		
	Oct 2012	543	8.8	630.49	1371	-233	129.12	204.0	65.3	80	120.2
	Nov 2012	390	6.5	635.00	1486	115	127.85	170.9	46.4	67	119.1
	Dec 2012	376	6.1	638.71	1583	97	131.72	183.6	46.2	72	123.0
	Jan 2013	565	9.2	641.80	1666	83	135.61	173.4	70.5	68	124.8
	Feb 2013	661	11.9	641.80	1666	0	136.23	204.0	82.7	80	125.2
	Mar 2013	969	15.8	643.05	1700	34	135.78	242.3	120.7	95	124.5
	Apr 2013	1076	18.1	643.00	1699	-2	136.07	255.0	133.9	100	124.4
	May 2013	952	15.5	643.00	1699	0	136.04	255.0	119.1	100	125.1
	Jun 2013	924	15.5	642.00	1671	-27	135.51	255.0	115.1	100	124.7
	Jul 2013	912	14.8	641.50	1658	-14	134.73	255.0	113.2	100	124.2
	Aug 2013	806	13.1	641.50	1658	0	134.46	255.0	100.4	100	124.5
	Sep 2013	730	12.3	638.00	1564	-94	132.62	255.0	89.9	100	123.2
<b>WY 2013</b>		<b>8902</b>							<b>1103.5</b>		
	Oct 2013	549	8.9	633.00	1434	-130	129.17	219.3	66.2	86	120.6
	Nov 2013	446	7.5	635.00	1486	51	126.85	244.8	53.5	96	119.9
	Dec 2013	328	5.3	638.71	1583	97	130.29	229.5	40.5	90	123.3
	Jan 2014	568	9.2	641.80	1666	83	134.09	221.9	70.9	87	124.8
	Feb 2014	664	12.0	641.80	1666	0	136.08	209.1	83.1	82	125.2
	Mar 2014	973	15.8	643.05	1700	34	135.86	239.7	121.1	94	124.5
	Apr 2014	1080	18.2	643.00	1699	-2	136.07	255.0	134.4	100	124.4
	May 2014	956	15.5	643.00	1699	0	136.04	255.0	119.6	100	125.1
	Jun 2014	927	15.6	642.00	1671	-27	135.51	255.0	115.6	100	124.6
	Jul 2014	916	14.9	641.50	1658	-14	134.73	255.0	113.7	100	124.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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
*	Aug 2011	669	10.9	448.13	583	-2	82.04	120.0	46.1	100	68.9
H	Sep 2011	538	9.0	448.28	585	3	82.16	120.0	39.4	100	73.2
<b>WY 2011</b>		<b>6837</b>							<b>474.2</b>		
I	Oct 2011	472	7.7	447.97	579	-6	81.92	92.4	31.5	77	66.8
S	Nov 2011	321	5.4	447.32	567	-12	80.93	102.0	22.1	85	69.1
T	Dec 2011	267	4.3	445.69	537	-30	81.08	67.2	17.7	56	66.2
O	Jan 2012	382	6.2	446.61	554	17	80.68	67.2	25.6	56	67.1
R	Feb 2012	497	8.6	447.10	563	9	80.85	94.8	35.1	79	70.7
I	Mar 2012	711	11.6	447.23	565	2	81.75	97.2	48.8	81	68.6
C	Apr 2012	785	13.2	449.13	602	36	83.37	120.0	54.1	100	69.0
A	May 2012	709	11.5	448.81	596	-6	81.37	111.6	49.6	93	69.9
L	Jun 2012	719	12.1	448.23	584	-11	79.00	120.0	49.7	100	69.1
*	Jul 2012	675	11.0	448.91	598	13	82.94	120.0	46.8	100	69.4
	Aug 2012	577	9.4	448.50	589	-8	76.06	120.0	38.1	100	66.0
	Sep 2012	555	9.3	447.80	576	-13	75.52	120.0	36.5	100	65.6
<b>WY 2012</b>		<b>6668</b>							<b>455.6</b>		
	Oct 2012	445	7.2	446.31	548	-28	75.25	102.0	28.9	85	64.9
	Nov 2012	366	6.1	446.50	552	3	74.62	102.0	23.4	85	64.0
	Dec 2012	260	4.2	446.50	552	0	74.71	102.0	16.3	85	62.5
	Jan 2013	348	5.7	446.50	552	0	74.71	102.0	22.1	85	63.7
	Feb 2013	448	8.1	446.50	552	0	73.92	120.0	28.7	100	64.1
	Mar 2013	708	11.5	446.70	555	4	74.01	120.0	46.0	100	64.9
	Apr 2013	788	13.2	448.70	593	38	75.08	120.0	52.0	100	66.0
	May 2013	686	11.2	448.70	593	0	76.05	120.0	45.6	100	66.4
	Jun 2013	677	11.4	448.70	593	0	76.05	120.0	45.0	100	66.5
	Jul 2013	736	12.0	448.00	580	-13	75.71	120.0	48.8	100	66.3
	Aug 2013	629	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
	Sep 2013	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
<b>WY 2013</b>		<b>6629</b>							<b>433.0</b>		
	Oct 2013	447	7.3	446.31	548	-9	74.77	102.0	28.9	85	64.6
	Nov 2013	378	6.4	446.50	552	3	74.62	102.0	24.2	85	64.1
	Dec 2013	282	4.6	446.50	552	0	74.71	102.0	17.7	85	62.8
	Jan 2014	350	5.7	446.50	552	0	74.71	102.0	22.3	85	63.8
	Feb 2014	451	8.1	446.50	552	0	73.92	120.0	28.9	100	64.2
	Mar 2014	711	11.6	446.70	555	4	74.01	120.0	46.2	100	64.9
	Apr 2014	792	13.3	448.70	593	38	75.08	120.0	52.3	100	66.0
	May 2014	690	11.2	448.70	593	0	76.05	120.0	45.8	100	66.4
	Jun 2014	681	11.4	448.70	593	0	76.05	120.0	45.3	100	66.5
	Jul 2014	740	12.0	448.00	580	-13	75.71	120.0	49.1	100	66.3

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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
* Aug 2011	706	60	39	44	22	8
H Sep 2011	442	58	34	41	22	6
<b>Summer 2011</b>	<b>3425</b>	<b>386</b>	<b>179</b>	<b>248</b>	<b>111</b>	<b>30</b>
I Oct 2011	446	48	28	33	18	5
S Nov 2011	508	34	11	13	7	2
T Dec 2011	563	43	25	30	17	6
O Jan 2012	388	58	15	18	10	5
R Feb 2012	295	54	9	12	2	4
I Mar 2012	275	62	9	12	6	4
<b>Winter 2012</b>	<b>2475</b>	<b>300</b>	<b>97</b>	<b>117</b>	<b>61</b>	<b>26</b>
C Apr 2012	276	47	16	22	14	4
A May 2012	276	61	19	28	17	4
L Jun 2012	324	34	26	33	19	7
* Jul 2012	398	33	24	31	18	6
Aug 2012	334	29	27	36	17	6
Sep 2012	197	26	21	29	15	5
<b>Summer 2012</b>	<b>1805</b>	<b>230</b>	<b>133</b>	<b>179</b>	<b>99</b>	<b>33</b>
Oct 2012	203	19	11	16	8	5
Nov 2012	247	17	4	6	4	5
Dec 2012	327	18	4	6	4	5
Jan 2013	323	18	5	7	4	5
Feb 2013	270	16	4	6	3	4
Mar 2013	239	18	5	8	5	4
<b>Winter 2013</b>	<b>1609</b>	<b>106</b>	<b>33</b>	<b>50</b>	<b>27</b>	<b>28</b>
Apr 2013	238	17	8	15	9	4
May 2013	240	35	25	40	23	6
Jun 2013	327	59	11	19	14	9
Jul 2013	347	35	26	33	18	10
Aug 2013	339	35	28	36	18	8
Sep 2013	246	34	24	31	16	6
<b>Summer 2013</b>	<b>1737</b>	<b>216</b>	<b>122</b>	<b>174</b>	<b>98</b>	<b>42</b>
Oct 2013	245	35	12	16	9	6
Nov 2013	244	34	4	6	4	6
Dec 2013	324	35	4	6	4	6
Jan 2014	322	35	9	12	6	6
Feb 2014	240	32	11	15	8	5
Mar 2014	240	35	12	16	9	5
<b>Winter 2014</b>	<b>1376</b>	<b>171</b>	<b>40</b>	<b>54</b>	<b>30</b>	<b>28</b>
Apr 2014	240	34	15	22	13	5
May 2014	244	50	35	52	23	7
Jun 2014	272	82	20	30	20	9
Jul 2014	377	37	32	39	21	10

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2012 24-Month Study

Most Probable Inflow\*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming	Blue	Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space	Mead	Mead	Sys		
	George	Mesa	Navajo	Powell	Total			Mead	George	Mesa	Navajo	Allow	Powell	Mead	Total	Required	Sched Rel	FC Rel
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2012	676	399	518	9642	11235	14170	25404	676	399	518	1593	9642	14170	25404	1500	759	0	34.8
Sep 2012	720	458	580	10088	11846	14135	25980	720	458	580	1758	10088	14135	25980	2270	718	0	34.2
Oct 2012	765	510	613	10229	12116	14372	26488	765	510	613	1887	10229	14372	26488	3040	324	0	33.9
Nov 2012	785	528	617	10365	12295	14234	26529	785	528	617	1930	10365	14234	26529	3810	529	0	33.8
Dec 2012	799	524	621	10625	12569	14187	26756	799	524	621	1944	10625	14187	26756	4580	501	0	33.7
Jan 2013	822	522	628	11093	13065	13860	26924	822	522	628	1972	11093	13860	26924	5350	671	0	33.4
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2013	822	522	628	11093	13065	13860	26924	442	310	414	1166	11093	13860	26118	5350	671	0	33.4
Feb 2013	840	524	636	11565	13565	13713	27278	457	313	422	1192	11565	13713	26470	1500	677	0	33.1
Mar 2013	852	523	637	11936	13948	13667	27615	466	315	423	1203	11936	13667	26805	1500	1031	0	32.6
Apr 2013	819	517	598	12146	14081	14052	28132	428	310	380	1118	12146	14052	27316	1500	1105	0	32.3
May 2013	762	491	525	12199	13978	14512	28490	363	283	287	934	12199	14512	27644	1500	988	0	33.0
Jun 2013	673	415	469	11332	12890	14889	27779	264	192	196	651	11332	14889	26873	1500	932	0	34.3
Jul 2013	519	249	357	10331	11457	15059	26516	96	3	32	131	10331	15059	25521	1500	928	0	34.2
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2013	441	246	382	10297	11366	15183	26549	441	246	382	1069	10297	15183	26549	1500	836	0	33.8
Sep 2013	474	282	410	10598	11764	15195	26959	474	282	410	1166	10598	15195	26959	2270	655	0	33.3
Oct 2013	529	321	421	10749	12020	15254	27275	529	321	421	1271	10749	15254	27275	3040	433	0	33.2
Nov 2013	577	324	411	10854	12166	15117	27283	577	324	411	1312	10854	15117	27283	3810	523	0	33.1
Dec 2013	623	309	407	10999	12337	15066	27403	623	309	407	1339	10999	15066	27403	4580	454	0	33.2
Jan 2014	686	298	405	11386	12775	14694	27469	686	298	405	1389	11386	14694	27469	5350	674	0	33.0
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2014	686	298	405	11386	12775	14694	27469	332	298	310	940	11386	14694	27020	5350	674	0	33.0
Feb 2014	743	304	405	11743	13195	14553	27748	387	304	310	1001	11743	14553	27297	1500	680	0	32.7
Mar 2014	787	319	395	11900	13402	14582	27983	429	319	299	1047	11900	14582	27529	1500	1034	0	32.4
Apr 2014	785	324	336	11916	13362	14972	28333	423	324	236	984	11916	14972	27871	1500	1109	0	32.4
May 2014	751	303	258	11672	12985	15437	28422	382	303	139	824	11672	15437	27933	1500	992	0	33.5
Jun 2014	654	215	201	10359	11430	15819	27249	275	211	44	530	10359	15819	26708	1500	936	0	35.0
Jul 2014	502	42	260	8826	9630	16133	25763	109	14	51	174	8826	16133	25133	1500	932	0	35.0

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