August 24-Month Study
Date: August 12, 2011

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 11 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	539,000	254	6502.49	318,000
Flaming Gorge	772,000	298	6035.85	3,581,000
Blue Mesa	223,000	167	7515.93	798,000
Navajo	40,000	48	6064.52	1,406,000
Powell	4,354,000	280	3659.64	18,446,000

Expected Operations

The operation of Lake Powell and Lake Mead in this August 2011 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 2011 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the Lake Powell operational tier for water year 2011 is the Upper Elevation Balancing Tier. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2011.

The April 2011 24-Month study projected the September 30 Lake Powell elevation to be greater than the 2011 Equalization elevation of 3,643.0 feet with an annual release from Lake Powell of 8.23 maf. Consistent with Section 6.B.3 of the Interim Guidelines, the Equalization Tier governs operations of Lake Powell for the remainder of the water year.

The August 24-Month Study projects a Lake Powell water year 2011 annual release volume of 12.45 maf. Due to above average inflows into Lake Powell in 2011, Equalization will not be fully achieved by the end of the water year. The projected Lake Powell releases will be updated each month to reflect changing hydrology in order to achieve the operation specified by the Equalization Tier.

The Interim Guidelines are available for download at http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf.

The 2011 AOP is available for download at
http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP11_final.pdf.

Fontenelle Reservoir – Inflows for the month of July were 539 kaf, or 254% of average. Inflows for the April to July runoff period were 1,221 kaf (142%). The reservoir elevation is 6502 feet above sea level and 91% of capacity. Current inflows are approximately 2,700 cfs and reservoir releases are 1,500 cfs. The snowpack has melted, however high soil moisture content continues to contribute to streamflow. The reservoir elevation is slowly rising.

Inflows are forecasted to be significantly above average the next three months in part due to increased soil moisture content: 1,400 kaf (154%) for August, 80 kaf (151%) for September and 65 kaf (135%) for October. The Colorado Basin River Forecast Center has also issued the water year 2012 outlook. Inflows for the coming water year are projected to be 1,170 kaf (94%).

The next Fontenelle Working Group meeting is scheduled for August 18, 2011 at 10:00 am at the Joint Powers Water Board water 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.

Flaming Gorge Reservoir – Unregulated inflow into Flaming Gorge Reservoir during the month of June was 772,000 acre-feet (AF), or 298 percent of average inflow. Spring runoff has ended and the Yampa River and Green River above Flaming Gorge Reservoir are at base flows at an average daily release of 2,450 cfs/day. Flaming Gorge reservoir elevation is decreasing and expected to continue decreasing through the winter to meet the May 1 target elevation of 6027 feet.

The Colorado Basin River Forecast Center and Natural Resources Conservation Service have issued the joint water supply forecast for the 2011 spring runoff. The Flaming Gorge Reservoir observed April – July unregulated inflow volume was 1,926 thousand acre-feet (kaf) or 162 percent of average. The August forecast for August and September is 160 kaf (148 percent of average) and 90 kaf (138 percent of average), respectively.

Yampa River flows during the base flow period impact hourly release schedules because flows must remain within 0.1 meter stage change as measured at the USGS stream gage located on the Green River at Jensen, Utah. As the Yampa River flows decrease, the Flaming Gorge release schedule will change.

The next Flaming Gorge Working Group meeting is scheduled for August 23, 2011, at 11:00 a.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 Heather Hermansen at 801-524-3883 or Ed Vidmar at 801-379-1182.

Aspinall Unit Reservoirs – Hydrologic conditions were on the wet side during the month of July. Early monsoonal moisture combined with the late season snowmelt runoff to help keep river flows high for much of the month. July unregulated inflow into Blue Mesa Reservoir was 223,000 acre-feet or 145 percent of average. The current inflow rate into Blue Mesa Reservoir is approximately 1,600 cfs while reservoir releases are averaging 1,800 cfs. Blue Mesa's present elevation is 7516.34 feet, which corresponds to a storage content of about 802,000 acre-feet. The observed April through July runoff into Blue Mesa Reservoir was recorded at 893,000 acre-feet, or 124 percent of average. The reservoir reached a high elevation of 7519.21 feet on July 19, 2011, which was approximately 0.19 feet below "full" pool. Full pool is actually defined by the top of the spillway gates at elevation 7519.4 feet, but we rarely fill to that level due to safety concerns for the reservoir. For practical purposes; the reservoir is considered full at elevations above 7516.4 feet. Precipitation during July was 120 percent of average.

Releases from Crystal Dam have recently decreased from 3100 cfs down to 2050 cfs. The Gunnison Diversion Tunnel is currently diverting about 950 cfs, which results in a river flow below the diversion tunnel of approximately 1100 cfs. As in years past there seems to be about 100 cfs discrepancy between the different gage readings. These reservoir release rates are changing as conditions warrant, primarily as we respond to changes in reservoir inflow rates.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 26, 2011 at 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 - Releases from Navajo Reservoir are currently set at 500 cubic feet per second (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 gauged flows throughout the critical habitat area, therefore daily flows of less than 500 cfs may occur at some gages.

Reclamation continues to closely monitor weather and stream flow conditions making adjustments to the Navajo Reservoir release as necessary.

July unregulated inflow into Navajo Reservoir was 40,000 acre-feet, or 48 percent of average. The total runoff for the 2011 season ending July (April-July) was recorded at 579,000 acre-feet, or about 74 percent of average runoff. The reservoir had a seasonal peak elevation of 6068.67 feet on July 1, 2011.

This year's spring peak operations happened over June 8th through June 14th when releases of 5,000 cfs were made. Release flows started to decrease on June 15th and reached 500 cfs on Friday, June 17th.

Currently the daily reservoir inflow is averaging 400 cfs while reservoir releases to the San Juan River are set at 500 cfs. NIIP diversions are approximately 700 cfs. The reservoir water surface elevation is currently 6065.19 feet, which corresponds to storage content of about 1,415,000 acre-feet.

A public meeting on Navajo Reservoir operations will be held on Tuesday, August 30, 2011 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last spring and summer reservoir operations, and plans for this fall and winter 2011/2012 operations will be discussed. These 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 unregulated inflow volume to Lake Powell in July was 4.35 maf (279% of average). This year the unregulated inflow in July was the second wettest July since the closure of Glen Canyon Dam (1963). The April through July unregulated inflow to Lake Powell for 2011 was 12.92 maf (163% of average) and this was the third wettest April through July period since the closure of Glen Canyon Dam.

In terms of reservoir elevation and storage, Lake Powell reached its peak for water year 2011 on July 30, 2011 which was 3660.9 feet (39.1 feet from full pool) and 18.61 maf (76.5% of capacity), respectively. Releases now exceed inflows and the elevation and storage are now slowly decreasing each day. The peak reservoir elevation and storage that occurred in water year 2010 was 3638.8 feet (61.2 feet below full pool) and 15.86 maf (65.2% of capacity) and this occurred on July 5, 2010. As of August 11, 2011 the reservoir elevation and storage in Lake Powell was 3659.64 feet (40.36 feet from full pool) and 18.45 maf (75.8% of capacity), respectively.

Current Dam Operations

Releases from Glen Canyon Dam are approximately 24,600 cfs which is very near the full capacity of the powerplant. The release volume for August will likely be about 1.45 maf. In late August, releases from Glen Canyon Dam will be reduced over 3 days to approximately 14,800 cfs on September 1, 2011. During the transition to the lower level, releases will likely fluctuate for power generation.

Beginning on September 1, 2011 a steady flow experiment will begin and releases will be maintained steady at approximately 14,800 cfs until November 1, 2011. This will be the fourth year of a five year program of steady flows in September and October. The targeted release rate of 14,800 cfs is the current estimate of the maximum sustainable release rate for all 61 days during September and October given the current maintenance schedule for Glen Canyon Dam. It is possible that the actual maximum sustainable release rate during September and October could be somewhat higher. Reclamation will attempt to set the targeted release rate for the steady flow experiment at the highest level possible and this will be determined near the end of August.

While the release rate from Glen Canyon Dam over the next several months will likely be near steady, the instantaneous releases from Glen Canyon Dam may fluctuate somewhat to provide 40 MW of system regulation. These instantaneous release adjustments maintain stable conditions within the electrical generation and transmission system and result in momentary release fluctuations within a range of about 1100 cfs above or below the targeted hourly release rate. The momentary fluctuations for regulation are very short lived and typically balance out over the hour.

Spinning and non-spinning reserve generation is also maintained at Glen Canyon Dam. In order for Colorado River Storage Project (CRSP) powerplants to participate in the electrical generation and transmissions system, these powerplants must maintain a level of generation capacity available in reserve to assist the local control area for when unanticipated generation outages occur. The current CRSP powerplant reserve requirement is 100 MW (equivalent to approximately 2,675 cfs of release from Glen Canyon Dam). When an electrical outage occurs within the control area, CRSP powerplants can be called upon to provide up to 100 MW of additional generation for up to 2 hours. Under normal circumstances, calls for reserves are infrequent and for much less than the required 100 MW. Because Glen Canyon Powerplant is the largest facility of the CRSP powerplants, most of the CRSP reserve requirement is maintained at Glen Canyon Dam.

The Operating Tier for coordinated operations of Lake Powell and Lake Mead during water year 2011, pursuant to the Interim Guidelines has been the Upper Elevation Balancing Tier. In April, based on the projected end of water year elevation of Lake Powell, a shift was made such that the Equalization Tier has governed operation of Lake Powell since then. Reclamation has been operating Glen Canyon Dam with the intent of achieving Equalization by September 30, 2011. Due to significantly high inflows this spring and summer however, it is very likely that Equalization will not be fully achieved by September 30, 2011. Reclamation will continue to operate Glen Canyon Dam to release water at near full capacity of the Glen Canyon Powerplant until Equalization is fully achieved for 2011.

Current Inflow Forecasts and Model Projections

The August 24-Month Study projects the annual release volume for water year 2011 will be 12.45 maf and the end of water year reservoir elevation and storage for Lake Powell will be 3656.91 feet (43.09 feet from full pool) and 18.092 maf (74.4% of capacity), respectively.

The hydrologic outlook forecast for water year 2012 projects that the most probable (median) unregulated inflow volume will be 12.6 maf (105% of average based on the period from 1971 through 2000). Based on this hydrologic outlook, the August 24-Month Study projects the annual release from Lake Powell during water year 2012 will be 13.57 maf and the end of water year 2012 reservoir elevation and storage for Lake Powell to be 3646.4 feet (53.6 feet from full pool) and 16.77 maf (69% of capacity), respectively.

Colorado River Basin Hydrology

Since water year 2005, hydrologic conditions in the Upper Colorado River Basin have been slightly below average with significant variability from year to year. The average unregulated inflow to Lake Powell during the period from 2005 through 2011, which is a good measure of the hydrologic conditions in the Colorado River Basin, were 11.2 maf which is slightly below the official average of 12.0 maf (based on the period from 1971 through 2000). The variability during this period has been from a low water year unregulated inflow of 8.4 maf (70% of average) in water year 2006 to a high of over 17.0 maf (141% of average) which is the projected for water year 2011.

Overall reservoir storage in the Colorado River Basin has increased by nearly 10 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). As of August 12, 2011, the total reservoir storage in the Colorado River Basin was 39.28 maf (66.1% of capacity).

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
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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			jul	Forecast			Observed	
:	apr	may	jun	jul	%Avg	aug	sep	oct	apr-jul %Avg
GLDA3:Lake Powell	978	2179	5409	4354	280%:	1000/	670/	700/	12920/: 163%
GBRW4:Fontenelle	92	161	429	539	254%:	140/	80/	65/	1221/: 142%
GRNU1:Flaming Gorge	159	327	668	772	298%:	160/	90/	73/	1926/: 162%
BMDC2:Blue Mesa	77	168	425	223	167%:	73/	49/	46/	893/: 124%
MPSC2:Morrow Point	84	191	455	231	164%:	77/	52/	49/	961/: 122%
CLSC2:Crystal	92	204	516	255	158%:	86/	59/	56/	1067/: 117%
TPIC2:Taylor Park	7.5	22	64	37	167%:	12.5/	9/	8.5/	131/: 127%
VCRC2:Vallecito	22	44	79	23	66%:	20/	16/	12.5/	168/: 82%
NVRN5:Navajo	115	172	252	40	48%:	28/	32/	35/	579/: 74%
LEMC2:Lemon	4.3	12.1	24	4.0	49%:	4.5/	3.2/	2.3/	44/: 76%
MPHC2:McPhee	46	98	108	22e	71%:	13.5/	12/	9.5/	274/: 86%
RBSC2:Ridgway	9.4	19.3	55	41	147%:	/	/	/	125/: 123%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	50	2	68	0	68	6501.76	312
H	Sep 2010	29	2	26	35	61	6497.33	279
	WY 2010	**781**	**14**	**530**	**233**	**763**		
I	Oct 2010	31	1	5	55	59	6493.24	250
S	Nov 2010	34	1	53	1	54	6490.17	229
T	Dec 2010	37	1	55	0	55	6487.27	210
O	Jan 2011	29	1	55	0	55	6482.87	183
R	Feb 2011	26	1	50	0	50	6478.35	158
I	Mar 2011	36	1	58	0	58	6473.74	136
C	Apr 2011	92	1	84	15	100	6471.99	128
A	May 2011	161	1	89	79	168	6470.20	120
L	Jun 2011	429	1	87	283	370	6481.96	178
*	Jul 2011	539	2	110	313	424	6498.87	290
	Aug 2011	140	2	92	0	92	6504.86	337
	Sep 2011	80	2	35	36	71	6505.70	343
	WY 2011	**1634**	**14**	**773**	**783**	**1556**		
	Oct 2011	65	1	74	0	74	6504.44	333
	Nov 2011	51	1	71	0	71	6501.72	312
	Dec 2011	44	1	74	0	74	6497.65	281
	Jan 2012	38	1	74	0	74	6492.51	245
	Feb 2012	37	1	67	0	67	6487.92	215
	Mar 2012	54	1	74	0	74	6484.73	194
	Apr 2012	90	1	83	0	83	6485.73	200
	May 2012	179	2	104	0	104	6496.60	274
	Jun 2012	315	3	102	183	285	6500.32	301
	Jul 2012	168	3	101	24	125	6505.49	342
	Aug 2012	75	2	100	2	102	6501.76	312
	Sep 2012	54	2	70	0	70	6499.48	295
	WY 2012	**1170**	**17**	**992**	**210**	**1202**		
	Oct 2012	52	1	71	0	71	6496.81	275
	Nov 2012	43	1	68	0	68	6493.13	249
	Dec 2012	32	1	71	0	71	6487.22	210
	Jan 2013	30	1	71	0	71	6480.38	169
	Feb 2013	28	0	64	0	64	6473.05	133
	Mar 2013	52	0	71	0	71	6468.53	113
	Apr 2013	89	1	83	0	83	6469.95	119
	May 2013	176	1	99	5	104	6484.00	190
	Jun 2013	307	2	103	90	193	6500.34	301
	Jul 2013	185	3	100	40	140	6505.75	344

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

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August 2011 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 2010	54	72	12	100	0	100	129	6026.47	3215	135
H	Sep 2010	22	54	10	106	0	106	127	6024.83	3154	127
	WY 2010	**1018**	**1000**	**79**	**1168**	**1**	**1169**				**2764**
I	Oct 2010	32	60	7	77	0	77	126	6024.21	3131	113
S	Nov 2010	31	52	4	63	0	63	125	6023.83	3117	107
T	Dec 2010	45	64	2	68	0	68	125	6023.67	3111	114
O	Jan 2011	44	70	2	68	0	68	125	6023.69	3112	525
R	Feb 2011	36	60	2	67	0	67	125	6023.47	3104	489
I	Mar 2011	98	120	3	59	0	59	127	6024.99	3160	181
C	Apr 2011	159	166	5	172	0	172	127	6024.71	3150	472
A	May 2011	327	334	8	279	47	326	127	6024.73	3150	1108
L	Jun 2011	667	608	10	254	173	427	133	6029.11	3315	1570
*	Jul 2011	771	656	14	263	94	357	144	6036.07	3590	908
	Aug 2011	160	112	13	151	0	151	142	6034.82	3539	151
	Sep 2011	90	81	12	146	0	146	139	6032.99	3466	146
	WY 2011	**2462**	**2384**	**81**	**1665**	**314**	**1979**				**5883**
	Oct 2011	73	82	8	129	0	129	137	6031.66	3413	129
	Nov 2011	65	85	4	122	0	122	136	6030.67	3375	122
	Dec 2011	56	86	2	126	0	126	134	6029.62	3334	126
	Jan 2012	48	84	2	126	0	126	132	6028.52	3292	126
	Feb 2012	47	77	2	118	0	118	131	6027.42	3250	118
	Mar 2012	80	100	3	126	0	126	130	6026.67	3222	126
	Apr 2012	129	122	5	122	0	122	129	6026.54	3217	122
	May 2012	260	185	8	159	0	159	130	6027.00	3235	159
	Jun 2012	385	355	10	273	0	273	133	6028.82	3304	273
	Jul 2012	184	141	14	116	0	116	133	6029.11	3315	116
	Aug 2012	84	111	13	101	0	101	133	6029.03	3312	101
	Sep 2012	62	78	11	98	0	98	132	6028.23	3281	98
	WY 2012	**1473**	**1505**	**80**	**1617**	**0**	**1617**				**1617**
	Oct 2012	61	80	7	101	0	101	131	6027.50	3253	101
	Nov 2012	51	77	3	98	0	98	130	6026.86	3230	98
	Dec 2012	36	74	2	101	0	101	129	6026.13	3202	101
	Jan 2013	41	81	2	101	0	101	128	6025.57	3181	101
	Feb 2013	46	82	2	92	0	92	127	6025.26	3170	92
	Mar 2013	104	123	3	101	0	101	128	6025.73	3187	101
	Apr 2013	142	136	5	98	0	98	129	6026.58	3219	98
	May 2013	265	193	8	130	0	130	132	6027.98	3272	130
	Jun 2013	399	285	10	211	0	211	134	6029.56	3332	211
	Jul 2013	218	174	14	98	0	98	136	6031.09	3391	98

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

Model Run ID: 2104

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August 2011 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 2010	10	17	9316.06	80
H	Sep 2010	6	14	9311.57	72
	WY 2010	**121**	**122**		
I	Oct 2010	7	6	9312.21	73
S	Nov 2010	5	5	9312.27	74
T	Dec 2010	5	5	9312.71	74
O	Jan 2011	5	5	9312.70	74
R	Feb 2011	4	4	9312.51	74
I	Mar 2011	5	6	9311.89	73
C	Apr 2011	7	8	9311.44	72
A	May 2011	22	33	9304.21	61
L	Jun 2011	65	28	9326.09	98
*	Jul 2011	37	39	9325.07	96
	Aug 2011	13	28	9316.63	81
	Sep 2011	9	16	9312.50	74
	WY 2011	**182**	**181**		
	Oct 2011	9	10	9311.59	72
	Nov 2011	6	6	9311.59	72
	Dec 2011	6	6	9311.28	72
	Jan 2012	5	6	9310.66	71
	Feb 2012	5	6	9309.72	69
	Mar 2012	5	6	9308.76	68
	Apr 2012	9	10	9308.12	67
	May 2012	30	18	9315.48	79
	Jun 2012	47	24	9327.88	102
	Jul 2012	19	24	9325.33	97
	Aug 2012	10	22	9318.62	84
	Sep 2012	8	16	9313.71	76
	WY 2012	**156**	**154**		
	Oct 2012	6	10	9311.58	72
	Nov 2012	5	6	9310.98	71
	Dec 2012	4	6	9310.02	70
	Jan 2013	4	6	9308.89	68
	Feb 2013	4	6	9307.59	66
	Mar 2013	4	6	9306.44	64
	Apr 2013	8	8	9306.66	65
	May 2013	27	14	9314.86	78
	Jun 2013	43	22	9326.27	99
	Jul 2013	20	22	9325.46	97

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

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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 2010	56	63	1	92	0	92	7500.54	666
H	Sep 2010	23	31	1	86	0	86	7493.54	609
	WY 2010	**725**	**727**	**8**	**754**	**6**	**760**		
I	Oct 2010	29	29	1	85	0	85	7486.20	552
S	Nov 2010	27	27	0	24	0	24	7486.60	555
T	Dec 2010	30	29	0	27	0	27	7486.84	557
O	Jan 2011	23	23	0	27	0	27	7486.34	553
R	Feb 2011	21	21	0	43	0	43	7483.46	532
I	Mar 2011	38	39	0	75	0	75	7478.48	495
C	Apr 2011	77	78	1	95	0	95	7475.97	477
A	May 2011	168	179	1	162	0	162	7478.26	493
L	Jun 2011	425	389	1	127	19	146	7508.73	735
*	Jul 2011	222	222	2	150	0	150	7516.80	806
	Aug 2011	73	89	1	130	0	130	7512.01	763
	Sep 2011	49	56	1	116	0	116	7504.93	702
	WY 2011	**1182**	**1180**	**8**	**1060**	**19**	**1079**		
	Oct 2011	46	48	1	82	0	82	7500.73	667
	Nov 2011	35	35	0	52	0	52	7498.63	650
	Dec 2011	30	31	0	99	0	99	7490.00	581
	Jan 2012	29	30	0	82	0	82	7483.14	529
	Feb 2012	25	27	0	62	0	62	7478.27	493
	Mar 2012	35	37	0	38	0	38	7478.00	492
	Apr 2012	81	82	1	47	0	47	7482.70	526
	May 2012	240	228	1	139	0	139	7494.13	614
	Jun 2012	285	262	1	66	0	66	7517.06	808
	Jul 2012	105	110	2	114	0	114	7516.40	803
	Aug 2012	55	68	1	124	0	124	7509.88	745
	Sep 2012	44	53	1	114	0	114	7502.54	682
	WY 2012	**1010**	**1008**	**9**	**1019**	**0**	**1019**		
	Oct 2012	41	44	1	71	0	71	7499.23	655
	Nov 2012	33	34	0	41	0	41	7498.30	647
	Dec 2012	25	27	0	93	0	93	7490.00	581
	Jan 2013	24	26	0	79	0	79	7482.99	528
	Feb 2013	22	24	0	54	0	54	7478.87	498
	Mar 2013	34	36	0	36	0	36	7478.80	497
	Apr 2013	73	73	1	48	0	48	7482.08	521
	May 2013	212	199	1	109	0	109	7493.66	610
	Jun 2013	271	250	1	67	0	67	7515.21	792
	Jul 2013	121	122	2	110	0	110	7516.40	802

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

Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	56	92	1	93	93	0	93	7155.63	114
H	Sep 2010	23	86	0	87	92	0	92	7148.78	108
	WY 2010	**773**	**760**	**48**	**807**	**805**	**0**	**805**		
I	Oct 2010	30	85	1	86	82	0	82	7153.88	112
S	Nov 2010	29	24	1	25	26	0	26	7152.79	111
T	Dec 2010	30	27	0	28	27	0	27	7153.98	112
O	Jan 2011	23	27	0	27	27	0	27	7153.70	112
R	Feb 2011	21	43	0	43	44	0	44	7152.08	111
I	Mar 2011	38	75	1	75	73	0	73	7154.37	113
C	Apr 2011	84	95	7	102	104	0	104	7152.20	111
A	May 2011	191	162	23	185	181	0	181	7156.18	114
L	Jun 2011	455	146	30	176	170	0	176	7155.72	114
*	Jul 2011	231	150	9	159	159	0	159	7155.22	113
	Aug 2011	77	130	4	134	135	0	135	7153.73	112
	Sep 2011	52	116	3	119	119	0	119	7153.73	112
	WY 2011	**1262**	**1079**	**80**	**1158**	**1148**	**0**	**1154**		
	Oct 2011	49	82	3	85	85	0	85	7153.73	112
	Nov 2011	37	52	2	54	54	0	54	7153.73	112
	Dec 2011	32	99	2	101	101	0	101	7153.73	112
	Jan 2012	32	82	3	85	85	0	85	7153.73	112
	Feb 2012	28	62	3	65	65	0	65	7153.73	112
	Mar 2012	39	38	4	42	42	0	42	7153.73	112
	Apr 2012	93	47	12	59	59	0	59	7153.73	112
	May 2012	270	139	30	169	169	0	169	7153.73	112
	Jun 2012	305	66	20	86	86	0	86	7153.73	112
	Jul 2012	110	114	5	119	119	0	119	7153.73	112
	Aug 2012	58	124	3	127	127	0	127	7153.73	112
	Sep 2012	47	114	3	117	117	0	117	7153.73	112
	WY 2012	**1100**	**1019**	**90**	**1109**	**1109**	**0**	**1109**		
	Oct 2012	44	71	3	74	74	0	74	7153.73	112
	Nov 2012	35	41	2	43	43	0	43	7153.73	112
	Dec 2012	27	93	2	95	95	0	95	7153.73	112
	Jan 2013	26	79	2	81	81	0	81	7153.73	112
	Feb 2013	25	54	3	57	57	0	57	7153.73	112
	Mar 2013	38	36	4	40	40	0	40	7153.73	112
	Apr 2013	84	48	11	59	59	0	59	7153.73	112
	May 2013	237	109	25	134	134	0	134	7153.73	112
	Jun 2013	292	67	21	88	88	0	88	7153.73	112
	Jul 2013	127	110	7	117	117	0	117	7153.73	112

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	61	93	5	98	98	0	98	6749.05	16	68	37
H	Sep 2010	26	92	3	95	95	0	95	6748.16	16	63	36
	WY 2010	**859**	**805**	**86**	**891**	**824**	**63**	**890**			**415**	**528**
I	Oct 2010	34	82	4	86	85	0	85	6750.41	16	51	33
S	Nov 2010	32	26	4	30	30	0	30	6748.60	16	1	29
T	Dec 2010	34	27	4	31	31	0	31	6748.24	16	1	30
O	Jan 2011	27	27	4	31	30	1	31	6749.02	16	1	30
R	Feb 2011	24	44	3	47	24	23	46	6751.55	17	1	47
I	Mar 2011	43	73	5	78	78	0	78	6751.94	17	5	76
C	Apr 2011	92	104	8	112	110	2	112	6752.03	17	38	79
A	May 2011	204	181	13	195	126	68	194	6753.39	17	63	137
L	Jun 2011	516	176	61	237	120	81	237	6752.90	17	62	183
*	Jul 2011	255	159	23	182	128	58	186	6739.47	13	62	136
	Aug 2011	86	135	9	144	135	5	140	6753.04	17	65	75
	Sep 2011	59	119	7	126	126	0	126	6753.04	17	55	71
	WY 2011	**1407**	**1154**	**145**	**1298**	**1023**	**237**	**1297**			**404**	**927**
	Oct 2011	56	85	7	92	92	0	92	6753.04	17	30	62
	Nov 2011	42	54	5	59	59	0	59	6753.04	17	0	59
	Dec 2011	37	101	5	106	106	0	106	6753.04	17	0	106
	Jan 2012	39	85	7	92	92	0	92	6753.04	17	0	92
	Feb 2012	32	65	4	69	69	0	69	6753.04	17	0	69
	Mar 2012	45	42	6	48	48	0	48	6753.04	17	5	43
	Apr 2012	106	59	13	72	72	0	72	6753.04	17	30	42
	May 2012	305	169	35	204	134	70	204	6753.04	17	55	149
	Jun 2012	345	86	40	126	126	0	126	6753.04	17	60	66
	Jul 2012	124	119	14	133	133	0	133	6753.04	17	65	68
	Aug 2012	65	127	7	134	134	0	134	6753.04	17	65	69
	Sep 2012	54	117	7	124	124	0	124	6753.04	17	55	69
	WY 2012	**1250**	**1109**	**150**	**1259**	**1190**	**70**	**1259**			**365**	**894**
	Oct 2012	50	74	7	80	80	0	80	6753.04	17	30	50
	Nov 2012	40	43	5	49	49	0	49	6753.04	17	0	49
	Dec 2012	32	95	5	99	99	0	99	6753.04	17	0	99
	Jan 2013	31	81	5	86	86	0	86	6753.04	17	0	86
	Feb 2013	29	57	4	61	61	0	61	6753.04	17	0	61
	Mar 2013	46	40	7	47	47	0	47	6753.04	17	5	42
	Apr 2013	96	59	12	71	71	0	71	6753.04	17	30	41
	May 2013	272	134	35	169	134	35	169	6753.04	17	55	114
	Jun 2013	330	88	38	126	126	0	126	6753.04	17	60	66
	Jul 2013	144	117	17	134	134	0	134	6753.04	17	65	69

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	19	33	7645.00	75
H	Sep 2010	10	26	7637.70	59
	WY 2010	**210**	**196**		
I	Oct 2010	12	13	7636.95	58
S	Nov 2010	7	2	7639.20	63
T	Dec 2010	6	2	7641.20	67
O	Jan 2011	5	2	7642.53	70
R	Feb 2011	4	2	7643.62	72
I	Mar 2011	7	2	7645.67	77
C	Apr 2011	22	4	7653.10	95
A	May 2011	44	27	7659.70	111
L	Jun 2011	79	64	7664.94	125
*	Jul 2011	23	39	7658.78	109
	Aug 2011	20	36	7652.17	92
	Sep 2011	16	30	7646.31	78
	WY 2011	**244**	**222**		
	Oct 2011	13	16	7644.71	75
	Nov 2011	9	5	7646.16	78
	Dec 2011	6	6	7646.29	78
	Jan 2012	5	5	7646.26	78
	Feb 2012	5	4	7646.29	78
	Mar 2012	8	3	7648.10	82
	Apr 2012	23	3	7656.15	102
	May 2012	73	61	7660.74	114
	Jun 2012	80	70	7664.38	124
	Jul 2012	27	41	7658.72	109
	Aug 2012	18	38	7650.74	89
	Sep 2012	15	29	7644.67	75
	WY 2012	**280**	**280**		
	Oct 2012	13	13	7644.38	74
	Nov 2012	8	6	7645.25	76
	Dec 2012	6	5	7645.85	77
	Jan 2013	5	3	7646.73	79
	Feb 2013	5	3	7647.54	81
	Mar 2013	8	3	7649.56	86
	Apr 2013	22	10	7654.19	97
	May 2013	69	65	7655.75	101
	Jun 2013	78	66	7659.94	112
	Jul 2013	31	43	7654.97	99

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	39	2	52	4	35	41	6067.48	1446	69
H	Sep 2010	24	1	39	3	25	45	6064.97	1412	57
	WY 2010	**855**	**89**	**753**	**29**	**202**	**423**			**802**
I	Oct 2010	24	0	26	2	8	36	6063.49	1393	46
S	Nov 2010	17	0	12	1	1	29	6062.08	1374	46
T	Dec 2010	23	0	19	1	1	30	6061.11	1362	42
O	Jan 2011	16	0	13	1	1	31	6059.58	1342	50
R	Feb 2011	18	0	15	1	1	28	6058.41	1328	45
I	Mar 2011	41	2	35	2	4	31	6058.28	1326	46
C	Apr 2011	115	14	84	2	19	31	6060.75	1357	44
A	May 2011	172	22	134	4	28	32	6066.13	1428	79
L	Jun 2011	252	43	193	4	42	113	6068.65	1462	295
*	Jul 2011	40	8	46	5	48	31	6065.88	1424	101
	Aug 2011	28	2	43	4	37	48	6062.42	1379	48
	Sep 2011	32	1	45	3	21	32	6061.57	1368	32
	WY 2011	**779**	**92**	**665**	**28**	**210**	**471**			**874**
	Oct 2011	35	0	38	2	8	31	6061.43	1366	31
	Nov 2011	33	0	30	1	0	30	6061.34	1365	30
	Dec 2011	23	0	23	1	0	31	6060.64	1356	31
	Jan 2012	21	0	21	1	0	31	6059.82	1346	31
	Feb 2012	28	0	28	1	0	28	6059.75	1345	28
	Mar 2012	83	1	78	2	4	31	6062.97	1386	31
	Apr 2012	161	16	125	3	17	30	6068.64	1462	30
	May 2012	285	35	237	4	29	121	6074.62	1546	121
	Jun 2012	245	27	208	5	44	182	6072.98	1522	182
	Jul 2012	56	4	67	5	47	37	6071.44	1501	37
	Aug 2012	35	2	53	4	40	42	6069.09	1468	42
	Sep 2012	35	1	48	3	22	36	6068.12	1455	36
	WY 2012	**1040**	**85**	**955**	**29**	**210**	**629**			**629**
	Oct 2012	36	0	36	2	8	31	6067.80	1450	31
	Nov 2012	31	0	29	1	0	30	6067.67	1449	30
	Dec 2012	24	0	22	1	0	31	6067.00	1440	31
	Jan 2013	22	0	20	1	0	31	6066.13	1428	31
	Feb 2013	30	0	29	1	0	27	6066.18	1428	27
	Mar 2013	88	1	83	2	4	31	6069.57	1475	31
	Apr 2013	174	16	146	3	17	34	6076.11	1567	34
	May 2013	279	35	239	4	29	200	6076.52	1573	200
	Jun 2013	246	27	208	5	44	212	6072.84	1520	212
	Jul 2013	74	4	82	5	47	37	6072.42	1514	37

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	504	608	64	802	0	802	3634.55	18050	15369	826
H	Sep 2010	277	461	58	480	0	480	3633.66	18075	15267	490
	WY 2010	**8634**	**8674**	**444**	**8234**	**0**	**8235**				**8419**
I	Oct 2010	362	512	41	495	0	495	3634.08	18003	15315	502
S	Nov 2010	438	474	39	810	0	810	3630.31	18056	14888	826
T	Dec 2010	416	446	30	847	0	847	3626.54	18044	14469	865
O	Jan 2011	381	429	9	997	0	997	3620.55	18113	13822	1015
R	Feb 2011	317	377	10	964	0	964	3614.95	18103	13235	984
I	Mar 2011	579	581	16	1033	0	1033	3610.73	18066	12804	1055
C	Apr 2011	977	937	25	940	0	940	3611.93	17917	12926	965
A	May 2011	2178	2205	30	1171	0	1171	3623.13	17749	14098	1207
L	Jun 2011	5408	4866	54	1377	0	1377	3648.98	18193	17089	1419
*	Jul 2011	4353	3780	74	1483	0	1483	3660.86	18900	18605	1532
	Aug 2011	1000	1103	75	1447	0	1447	3657.89	18869	18218	1447
	Sep 2011	670	815	68	883	0	883	3656.91	18859	18092	883
	WY 2011	**17079**	**16526**	**469**	**12448**	**0**	**12448**				**12699**
	Oct 2011	700	795	47	912	0	912	3655.74	18847	17940	912
	Nov 2011	650	721	44	1220	0	1220	3651.77	18807	17437	1220
	Dec 2011	550	697	34	1400	0	1400	3646.26	18752	16754	1400
	Jan 2012	500	641	11	1200	0	1200	3641.89	18710	16227	1200
	Feb 2012	450	558	11	900	0	900	3639.12	18684	15900	900
	Mar 2012	700	702	19	1000	0	1000	3636.61	18660	15606	1000
	Apr 2012	1100	960	29	1100	0	1100	3635.25	18648	15449	1100
	May 2012	2600	2298	36	1117	0	1117	3644.24	18732	16510	1117
	Jun 2012	3050	2727	59	1275	0	1275	3654.64	18836	17800	1275
	Jul 2012	1250	1222	72	1380	0	1380	3652.96	18819	17587	1380
	Aug 2012	550	685	71	1151	0	1151	3648.99	18779	17090	1151
	Sep 2012	500	630	64	910	0	910	3646.40	18753	16772	910
	WY 2012	**12600**	**12637**	**497**	**13565**	**0**	**13565**				**13565**
	Oct 2012	544	617	44	941	0	941	3643.60	18726	16432	941
	Nov 2012	539	593	41	600	0	600	3643.22	18723	16387	600
	Dec 2012	414	554	33	800	0	800	3641.06	18702	16128	800
	Jan 2013	384	508	10	800	0	800	3638.68	18679	15848	800
	Feb 2013	398	472	11	800	0	800	3635.99	18654	15534	800
	Mar 2013	628	575	19	600	0	600	3635.64	18651	15494	600
	Apr 2013	950	774	29	850	0	850	3634.79	18643	15396	850
	May 2013	2161	1909	36	950	0	950	3642.09	18712	16251	950
	Jun 2013	2811	2456	58	1000	0	1000	3652.64	18815	17546	1000
	Jul 2013	1346	1228	72	1100	0	1100	3653.05	18819	17598	1100

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	802	126	72	829	13.5	33	823	673	1086.91	10352
H	Sep 2010	480	82	59	758	12.7	23	755	656	1083.81	10092
	WY 2010	**8235**	**928**	**564**	**9260**		**235**	**9039**			
I	Oct 2010	495	80	42	638	10.4	24	607	648	1082.36	9971
S	Nov 2010	810	13	42	800	13.4	18	795	646	1081.94	9936
T	Dec 2010	847	248	37	660	10.7	9	630	670	1086.30	10301
O	Jan 2011	997	74	31	540	8.8	8	526	700	1091.73	10765
R	Feb 2011	964	84	29	635	11.4	9	616	723	1095.78	11117
I	Mar 2011	1033	77	33	1006	16.4	15	1002	726	1096.39	11170
C	Apr 2011	940	140	40	1078	18.1	20	1066	722	1095.76	11115
A	May 2011	1171	104	47	1001	16.3	25	997	735	1097.90	11304
L	Jun 2011	1377	72	57	939	15.8	25	938	761	1102.38	11705
*	Jul 2011	1483	75	73	1001	16.3	27	1000	789	1107.07	12133
	Aug 2011	1447	109	80	817	13.3	26	817	827	1113.42	12728
	Sep 2011	883	70	67	642	10.8	18	642	841	1115.64	12939
	WY 2011	**12448**	**1145**	**578**	**9758**		**224**	**9638**			
	Oct 2011	912	59	49	434	7.1	22	434	869	1120.18	13377
	Nov 2011	1220	48	50	619	10.4	21	619	905	1125.68	13919
	Dec 2011	1400	99	45	524	8.5	17	524	961	1134.12	14777
	Jan 2012	1200	76	38	697	11.3	16	697	993	1138.85	15271
	Feb 2012	900	92	35	719	12.5	14	719	1006	1140.84	15481
	Mar 2012	1000	80	39	1022	16.6	20	1022	1006	1140.83	15479
	Apr 2012	1100	60	49	1146	19.3	16	1146	1003	1140.37	15432
	May 2012	1117	49	56	983	16.0	27	983	1009	1141.26	15525
	Jun 2012	1275	23	69	850	14.3	22	850	1031	1144.37	15860
	Jul 2012	1380	50	88	890	14.5	24	890	1057	1148.05	16263
	Aug 2012	1151	109	95	811	13.2	26	811	1077	1150.82	16570
	Sep 2012	910	70	79	668	11.2	18	668	1090	1152.61	16772
	WY 2012	**13565**	**815**	**692**	**9363**		**243**	**9363**			
	Oct 2012	941	59	59	461	7.5	22	461	1118	1156.36	17202
	Nov 2012	600	48	59	570	9.6	21	570	1118	1156.34	17200
	Dec 2012	800	99	51	555	9.0	17	555	1135	1158.56	17459
	Jan 2013	800	76	42	709	11.5	16	709	1141	1159.42	17561
	Feb 2013	800	92	39	715	12.9	15	715	1149	1160.39	17676
	Mar 2013	600	80	44	1053	17.1	21	1053	1122	1156.90	17265
	Apr 2013	850	60	53	1142	19.2	17	1142	1104	1154.45	16982
	May 2013	950	49	61	1031	16.8	27	1031	1096	1153.46	16869
	Jun 2013	1000	23	73	958	16.1	23	958	1095	1153.21	16840
	Jul 2013	1100	50	91	949	15.4	25	949	1100	1153.91	16920

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

Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	829	-12	23	838	0	838	13.6	641.95	1670
H	Sep 2010	758	-2	18	833	0	833	14.0	638.40	1575
	WY 2010	**9260**	**-172**	**197**	**8816**	**0**	**8816**			
I	Oct 2010	638	6	15	766	0	766	12.5	633.10	1437
S	Nov 2010	800	-29	10	631	0	631	10.6	638.09	1567
T	Dec 2010	660	-15	9	553	0	553	9.0	641.21	1650
O	Jan 2011	540	-7	10	502	0	502	8.2	641.95	1670
R	Feb 2011	635	-10	10	586	0	586	10.5	643.01	1699
I	Mar 2011	1006	-11	13	976	0	976	15.9	643.23	1705
C	Apr 2011	1078	-13	17	1047	0	1047	17.6	643.30	1707
A	May 2011	1001	-10	22	949	0	949	15.4	644.04	1727
L	Jun 2011	939	-9	25	954	0	954	16.0	642.27	1679
*	Jul 2011	1001	-10	25	943	0	943	15.3	643.11	1702
	Aug 2011	817	-5	23	820	0	820	13.3	642.00	1671
	Sep 2011	642	1	18	732	0	732	12.3	638.00	1564
	WY 2011	**9758**	**-112**	**198**	**9459**	**0**	**9459**			
	Oct 2011	434	3	15	552	0	552	9.0	633.00	1434
	Nov 2011	619	-10	10	548	0	548	9.2	635.00	1486
	Dec 2011	524	-13	9	404	0	404	6.6	638.71	1583
	Jan 2012	697	-17	10	587	0	587	9.6	641.80	1666
	Feb 2012	719	-6	10	704	0	704	12.2	641.80	1666
	Mar 2012	1022	-15	13	960	0	960	15.6	643.05	1700
	Apr 2012	1146	-15	17	1115	0	1115	18.7	643.00	1699
	May 2012	983	-10	22	951	0	951	15.5	643.00	1699
	Jun 2012	850	-6	25	846	0	846	14.2	642.00	1671
	Jul 2012	890	1	25	879	0	879	14.3	641.50	1658
	Aug 2012	811	-5	23	784	0	784	12.7	641.50	1658
	Sep 2012	668	1	18	744	0	744	12.5	638.00	1564
	WY 2012	**9363**	**-91**	**197**	**9075**	**0**	**9075**			
	Oct 2012	461	3	15	579	0	579	9.4	633.00	1434
	Nov 2012	570	-10	10	499	0	499	8.4	635.00	1486
	Dec 2012	555	-13	9	435	0	435	7.1	638.71	1583
	Jan 2013	709	-17	10	600	0	600	9.8	641.80	1666
	Feb 2013	715	-6	10	700	0	700	12.6	641.80	1666
	Mar 2013	1053	-15	13	991	0	991	16.1	643.05	1700
	Apr 2013	1142	-15	17	1111	0	1111	18.7	643.00	1699
	May 2013	1031	-10	22	998	0	998	16.2	643.00	1699
	Jun 2013	958	-6	25	954	0	954	16.0	642.00	1671
	Jul 2013	949	1	25	938	0	938	15.3	641.50	1658

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

Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	838	21	17	646	10.5	108	84	448.20	584	101	1.6
H	Sep 2010	833	17	15	583	9.8	98	171	446.95	560	93	1.6
	WY 2010	**8816**	**318**	**140**	**6298**		**1043**	**1572**			**1619**	
I	Oct 2010	766	25	12	465	7.6	102	166	449.14	602	106	1.7
S	Nov 2010	631	38	9	428	7.2	98	159	447.59	572	114	1.9
T	Dec 2010	553	33	7	290	4.7	93	183	448.10	582	147	2.4
O	Jan 2011	502	8	6	391	6.4	52	89	446.40	550	141	2.3
R	Feb 2011	586	15	8	415	7.5	22	135	447.29	567	173	3.1
I	Mar 2011	976	6	9	694	11.3	71	186	448.06	581	199	3.2
C	Apr 2011	1047	18	11	786	13.2	71	180	448.54	590	204	3.4
A	May 2011	949	17	13	691	11.2	83	167	448.68	593	115	1.9
L	Jun 2011	954	13	15	708	11.9	96	155	447.73	575	120	2.0
*	Jul 2011	943	36	17	762	12.4	100	77	448.22	584	128	2.1
	Aug 2011	820	18	17	648	10.5	89	76	448.00	580	95	1.5
	Sep 2011	732	15	15	532	8.9	82	119	447.50	571	89	1.5
	WY 2011	**9459**	**241**	**140**	**6810**		**959**	**1690**			**1631**	
	Oct 2011	552	20	12	434	7.1	18	123	446.31	548	62	1.0
	Nov 2011	548	26	8	379	6.4	12	165	446.50	552	109	1.8
	Dec 2011	404	21	6	281	4.6	12	121	446.50	552	116	1.9
	Jan 2012	587	15	6	342	5.6	85	165	446.50	552	122	2.0
	Feb 2012	704	6	8	464	8.1	77	156	446.50	552	153	2.7
	Mar 2012	960	22	9	702	11.4	85	174	446.70	555	208	3.4
	Apr 2012	1115	18	11	827	13.9	83	166	448.70	593	200	3.4
	May 2012	951	13	13	696	11.3	86	159	448.70	593	111	1.8
	Jun 2012	846	9	16	653	11.0	83	90	448.70	593	112	1.9
	Jul 2012	879	15	17	719	11.7	85	72	448.00	580	118	1.9
	Aug 2012	784	18	17	629	10.2	85	68	447.50	571	92	1.5
	Sep 2012	744	15	15	540	9.1	61	148	446.81	557	89	1.5
	WY 2012	**9075**	**199**	**139**	**6663**		**771**	**1606**			**1494**	
	Oct 2012	579	20	12	452	7.3	24	113	446.31	548	72	1.2
	Nov 2012	499	26	8	371	6.2	24	111	446.50	552	105	1.8
	Dec 2012	435	21	6	295	4.8	24	125	446.50	552	118	1.9
	Jan 2013	600	15	6	356	5.8	106	142	446.50	552	122	2.0
	Feb 2013	700	6	8	461	8.3	96	136	446.50	552	153	2.8
	Mar 2013	991	22	9	708	11.5	106	179	446.70	555	208	3.4
	Apr 2013	1111	18	11	796	13.4	103	173	448.70	593	200	3.4
	May 2013	998	13	13	703	11.4	106	179	448.70	593	111	1.8
	Jun 2013	954	9	16	676	11.4	103	156	448.70	593	112	1.9
	Jul 2013	938	15	17	730	11.9	106	99	448.00	580	118	1.9

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

Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	829	13.5	1086.91	10352	-5	443.45	1617.0	313.3	100	378.0
H	Sep 2010	758	12.7	1083.81	10092	-261	439.46	1617.0	285.1	100	375.9
	WY 2010	**9260**							**3588.7**		
I	Oct 2010	638	10.4	1082.36	9971	-121	440.25	1104.0	241.3	68	378.5
S	Nov 2010	800	13.4	1081.94	9936	-35	437.87	1185.0	305.1	74	381.4
T	Dec 2010	660	10.7	1086.30	10301	365	439.05	1388.0	246.5	87	373.5
O	Jan 2011	540	8.8	1091.73	10765	463	446.84	1103.0	200.9	69	372.4
R	Feb 2011	635	11.4	1095.78	11117	353	447.78	1414.0	244.7	88	385.7
I	Mar 2011	1006	16.4	1096.39	11170	54	449.79	1232.0	398.2	75	395.8
C	Apr 2011	1078	18.1	1095.76	11115	-55	449.53	1157.0	430.9	70	399.6
A	May 2011	1001	16.3	1097.90	11304	189	452.71	1468.0	394.5	88	393.9
L	Jun 2011	939	15.8	1102.38	11705	401	457.87	1661.0	372.1	100	396.2
*	Jul 2011	1001	16.3	1107.07	12133	429	462.21	1698.0	403.2	100	402.6
	Aug 2011	817	13.3	1113.42	12728	594	456.82	1721.0	336.2	100	411.5
	Sep 2011	642	10.8	1115.64	12939	212	462.75	1787.0	259.7	100	404.4
	WY 2011	**9758**							**3833.6**		
	Oct 2011	434	7.1	1120.18	13377	437	470.51	1463.0	176.9	81	407.2
	Nov 2011	619	10.4	1125.68	13919	542	478.02	1343.0	262.9	73	424.6
	Dec 2011	524	8.5	1134.12	14777	858	482.18	1535.0	216.1	81	412.3
	Jan 2012	697	11.3	1138.85	15271	494	488.76	1167.0	303.5	61	435.7
	Feb 2012	719	12.5	1140.84	15481	210	490.36	1298.0	317.1	68	440.8
	Mar 2012	1022	16.6	1140.83	15479	-1	489.46	1543.0	447.5	81	437.9
	Apr 2012	1146	19.3	1140.37	15432	-48	488.81	1542.0	512.4	81	447.3
	May 2012	983	16.0	1141.26	15525	94	486.95	1906.0	428.4	100	435.7
	Jun 2012	850	14.3	1144.37	15860	335	489.27	1915.0	374.1	100	440.0
	Jul 2012	890	14.5	1148.05	16263	402	493.15	1924.0	394.9	100	443.7
	Aug 2012	811	13.2	1150.82	16570	307	496.53	1937.0	357.7	100	441.0
	Sep 2012	668	11.2	1152.61	16772	202	499.96	1937.0	289.1	100	433.0
	WY 2012	**9363**							**4080.6**		
	Oct 2012	461	7.5	1156.36	17202	431	505.84	1779.0	199.2	91	432.1
	Nov 2012	570	9.6	1156.34	17200	-2	510.82	1522.0	251.2	78	440.5
	Dec 2012	555	9.0	1158.56	17459	259	510.05	1531.0	241.6	78	435.5
	Jan 2013	709	11.5	1159.42	17561	101	511.25	1198.8	321.3	61	453.2
	Feb 2013	715	12.9	1160.39	17676	115	510.41	1329.1	327.2	68	457.5
	Mar 2013	1053	17.1	1156.90	17265	-411	507.25	1590.0	477.6	81	453.5
	Apr 2013	1142	19.2	1154.45	16982	-284	503.86	1593.1	523.8	81	458.9
	May 2013	1031	16.8	1153.46	16869	-113	500.06	1963.0	454.1	100	440.5
	Jun 2013	958	16.1	1153.21	16840	-29	499.77	1963.0	418.7	100	437.2
	Jul 2013	949	15.4	1153.91	16920	80	500.49	1963.0	420.9	100	443.6

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

Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Aug 2010	838	13.6	641.95	1670	-44	140.67	255.0	105.9	100	126.4
H	Sep 2010	833	14.0	638.40	1575	-95	137.24	255.0	102.6	100	123.1
	WY 2010	**8816**							**1104.5**		
I	Oct 2010	766	12.5	633.10	1437	-138	129.52	209.1	92.1	82	120.2
S	Nov 2010	631	10.6	638.09	1567	130	137.83	153.0	77.2	60	122.5
T	Dec 2010	553	9.0	641.21	1650	84	141.87	168.3	67.8	66	122.6
O	Jan 2011	502	8.2	641.95	1670	20	140.42	153.0	63.3	60	125.9
R	Feb 2011	586	10.5	643.01	1699	29	139.78	181.1	73.6	71	125.6
I	Mar 2011	976	15.9	643.23	1705	6	138.82	204.0	123.0	80	126.0
C	Apr 2011	1047	17.6	643.30	1707	2	141.68	227.0	131.6	89	125.7
A	May 2011	949	15.4	644.04	1727	20	142.61	255.0	120.3	100	126.8
L	Jun 2011	954	16.0	642.27	1679	-48	140.41	249.9	120.6	98	126.4
*	Jul 2011	943	15.3	643.11	1702	23	143.18	255.0	119.3	100	126.5
	Aug 2011	820	13.3	642.00	1671	-30	135.57	255.0	102.8	100	125.4
	Sep 2011	732	12.3	638.00	1564	-107	132.89	255.0	90.4	100	123.5
	WY 2011	**9459**							**1181.9**		
	Oct 2011	552	9.0	633.00	1434	-130	129.96	193.8	66.6	76	120.6
	Nov 2011	548	9.2	635.00	1486	51	128.73	183.6	65.3	72	119.2
	Dec 2011	404	6.6	638.71	1583	97	131.89	178.5	49.7	70	122.8
	Jan 2012	587	9.6	641.80	1666	83	135.70	170.9	73.2	67	124.7
	Feb 2012	704	12.2	641.80	1666	0	137.09	176.0	88.1	69	125.1
	Mar 2012	960	15.6	643.05	1700	34	135.78	242.3	119.5	95	124.6
	Apr 2012	1115	18.7	643.00	1699	-2	136.07	255.0	138.5	100	124.2
	May 2012	951	15.5	643.00	1699	0	136.04	255.0	119.0	100	125.1
	Jun 2012	846	14.2	642.00	1671	-27	135.51	255.0	105.8	100	125.1
	Jul 2012	879	14.3	641.50	1658	-14	134.73	255.0	109.3	100	124.4
	Aug 2012	784	12.7	641.50	1658	0	134.46	255.0	97.7	100	124.7
	Sep 2012	744	12.5	638.00	1564	-94	132.62	255.0	91.7	100	123.2
	WY 2012	**9075**							**1124.5**		
	Oct 2012	579	9.4	633.00	1434	-130	129.17	219.3	69.8	86	120.5
	Nov 2012	499	8.4	635.00	1486	51	126.85	244.8	59.6	96	119.5
	Dec 2012	435	7.1	638.71	1583	97	130.29	229.5	53.4	90	122.6
	Jan 2013	600	9.8	641.80	1666	83	134.09	221.9	74.7	87	124.6
	Feb 2013	700	12.6	641.80	1666	0	136.08	209.1	87.5	82	125.0
	Mar 2013	991	16.1	643.05	1700	34	135.86	239.7	123.3	94	124.4
	Apr 2013	1111	18.7	643.00	1699	-2	136.07	255.0	138.1	100	124.2
	May 2013	998	16.2	643.00	1699	0	136.04	255.0	124.7	100	124.9
	Jun 2013	954	16.0	642.00	1671	-27	135.51	255.0	118.8	100	124.5
	Jul 2013	938	15.3	641.50	1658	-14	134.73	255.0	116.4	100	124.1

* 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

August 2011 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
*	Aug 2010	646	10.5	448.20	584	-8	81.98	120.0	44.7	100	69.2
H	Sep 2010	583	9.8	446.95	560	-24	80.89	103.2	41.6	86	71.4
	WY 2010	**6298**							**436.8**		
I	Oct 2010	465	7.6	449.14	602	42	82.79	90.0	31.4	75	67.4
S	Nov 2010	428	7.2	447.59	572	-30	79.41	91.2	30.4	76	71.1
T	Dec 2010	290	4.7	448.10	582	10	82.60	104.4	19.7	87	67.9
O	Jan 2011	391	6.4	446.40	550	-32	80.10	97.2	26.8	81	68.6
R	Feb 2011	415	7.5	447.29	567	17	76.83	90.0	29.3	75	70.7
I	Mar 2011	694	11.3	448.06	581	15	80.18	112.8	47.4	94	68.4
C	Apr 2011	786	13.2	448.54	590	9	82.13	120.0	54.4	100	69.1
A	May 2011	691	11.2	448.68	593	3	80.58	120.0	47.9	100	69.3
L	Jun 2011	708	11.9	447.73	575	-18	81.68	114.0	49.9	95	70.4
*	Jul 2011	762	12.4	448.22	584	9	81.72	116.4	51.6	97	67.7
	Aug 2011	648	10.5	448.00	580	-4	75.48	120.0	42.7	100	65.9
	Sep 2011	532	8.9	447.50	571	-10	75.13	120.0	34.7	100	65.3
	WY 2011	**6810**							**466.2**		
	Oct 2011	434	7.1	446.31	548	-22	75.59	92.4	28.3	77	65.2
	Nov 2011	379	6.4	446.50	552	3	75.23	90.0	24.5	75	64.6
	Dec 2011	281	4.6	446.50	552	0	76.82	64.8	18.1	54	64.6
	Jan 2012	342	5.6	446.50	552	0	77.15	60.0	22.5	50	66.0
	Feb 2012	464	8.1	446.50	552	0	75.92	79.2	30.7	66	66.1
	Mar 2012	702	11.4	446.70	555	4	75.42	90.0	46.6	75	66.3
	Apr 2012	827	13.9	448.70	593	38	75.08	120.0	54.6	100	66.1
	May 2012	696	11.3	448.70	593	0	76.05	120.0	46.2	100	66.5
	Jun 2012	653	11.0	448.70	593	0	76.05	120.0	43.3	100	66.4
	Jul 2012	719	11.7	448.00	580	-13	75.71	120.0	47.7	100	66.3
	Aug 2012	629	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
	Sep 2012	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
	WY 2012	**6663**							**438.6**		
	Oct 2012	452	7.3	446.31	548	-9	74.77	102.0	29.2	85	64.6
	Nov 2012	371	6.2	446.50	552	3	74.62	102.0	23.8	85	64.0
	Dec 2012	295	4.8	446.50	552	0	74.71	102.0	18.6	85	63.1
	Jan 2013	356	5.8	446.50	552	0	74.71	102.0	22.7	85	63.8
	Feb 2013	461	8.3	446.50	552	0	73.92	120.0	29.6	100	64.2
	Mar 2013	708	11.5	446.70	555	4	74.01	120.0	45.9	100	64.9
	Apr 2013	796	13.4	448.70	593	38	75.08	120.0	52.5	100	66.0
	May 2013	703	11.4	448.70	593	0	76.05	120.0	46.7	100	66.5
	Jun 2013	676	11.4	448.70	593	0	76.05	120.0	44.9	100	66.5
	Jul 2013	730	11.9	448.00	580	-13	75.71	120.0	48.4	100	66.3

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Model Run ID: 2104

Processed On: 8/11/2011 11:25:08AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

August 2011 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 2010	366	40	27	33	19	6
H	Sep 2010	217	42	25	32	19	2
	Summer 2010	**1755**	**231**	**142**	**186**	**109**	**25**
I	Oct 2010	226	30	24	29	16	0
S	Nov 2010	369	24	7	9	4	4
T	Dec 2010	382	26	8	9	4	4
O	Jan 2011	445	26	8	9	4	4
R	Feb 2011	425	26	12	15	4	3
I	Mar 2011	453	23	21	26	15	4
	Winter 2011	**2299**	**156**	**79**	**97**	**48**	**19**
C	Apr 2011	415	65	26	37	21	5
A	May 2011	520	105	44	66	23	5
L	Jun 2011	634	98	36	61	23	5
	Aug 2011	640	56	41	49	23	9
	Sep 2011	389	54	36	43	22	3
	Summer 2011	**2598**	**378**	**183**	**255**	**111**	**28**
	Oct 2011	401	47	25	31	16	7
	Nov 2011	534	45	16	19	10	7
	Dec 2011	608	46	30	36	18	7
	Jan 2012	516	46	24	31	16	6
	Feb 2012	385	43	18	23	12	6
	Mar 2012	425	46	11	15	8	6
	Winter 2012	**2869**	**274**	**123**	**156**	**81**	**39**
	Apr 2012	466	45	13	21	12	7
	May 2012	477	58	41	61	23	9
	Jun 2012	554	100	20	31	22	9
	Jul 2012	604	42	36	43	23	10
	Aug 2012	501	37	39	46	23	10
	Sep 2012	394	36	35	42	21	6
	Summer 2012	**2997**	**318**	**184**	**244**	**125**	**50**
	Oct 2012	406	37	22	27	14	6
	Nov 2012	258	36	12	16	8	6
	Dec 2012	343	37	28	34	17	6
	Jan 2013	341	37	23	29	15	6
	Feb 2013	340	33	16	21	11	5
	Mar 2013	254	37	10	14	8	5
	Winter 2013	**1688**	**180**	**100**	**126**	**65**	**28**
	Apr 2013	360	36	14	21	12	5
	May 2013	404	48	32	48	23	7
	Jun 2013	433	77	21	32	22	9
	Jul 2013	481	36	35	42	23	10

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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August 2011 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

Date	Flaming George KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming George KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****CREDITABLE SPACE****										
Aug 2011	214	23	272	5717	6226	15243	21469	214	23	272	509	5717	15243	21469	1500	817	0	39.4
Sep 2011	218	66	317	6104	6706	14649	21355	218	66	317	602	6104	14649	21355	2270	642	0	39.2
Oct 2011	285	127	328	6230	6970	14438	21408	285	127	328	740	6230	14438	21408	3040	434	0	39.3
Nov 2011	347	162	330	6382	7221	14000	21221	347	162	330	839	6382	14000	21221	3810	619	0	39.3
Dec 2011	407	179	331	6885	7802	13458	21261	407	179	331	918	6885	13458	21261	4580	524	0	39.4
Jan 2012	478	248	340	7568	8634	12600	21234	478	248	340	1066	7568	12600	21234	5350	697	0	39.3
								****EFFECTIVE SPACE****										
Jan 2012	478	248	340	7568	8634	12600	21234	93	248	304	645	7568	12600	20813	5350	697	0	39.3
Feb 2012	557	300	350	8095	9303	12106	21409	171	300	314	785	8095	12106	20986	1500	719	0	39.1
Mar 2012	629	336	351	8422	9739	11896	21635	242	336	314	892	8422	11896	21210	1500	1022	0	38.8
Apr 2012	678	338	310	8716	10042	11898	21939	288	338	266	892	8716	11898	21506	1500	1146	0	38.8
May 2012	676	304	234	8873	10087	11945	22032	281	304	171	756	8873	11945	21574	1500	983	0	40.2
Jun 2012	586	216	150	7812	8764	11852	20615	180	210	55	445	7812	11852	20109	1500	850	0	42.1
Jul 2012	489	21	174	6522	7206	11517	18722	68	-9	30	89	6522	11517	18127	1500	890	0	42.3
								****CREDITABLE SPACE****										
Aug 2012	438	27	195	6735	7395	11114	18509	438	27	195	660	6735	11114	18509	1500	811	0	41.9
Sep 2012	470	85	228	7232	8014	10807	18822	470	85	228	783	7232	10807	18822	2270	668	0	41.6
Oct 2012	518	147	241	7550	8456	10605	19062	518	147	241	906	7550	10605	19062	3040	461	0	41.5
Nov 2012	565	175	246	7890	8875	10175	19050	565	175	246	985	7890	10175	19050	3810	570	0	41.4
Dec 2012	615	182	247	7935	8980	10177	19157	615	182	247	1045	7935	10177	19157	4580	555	0	41.4
Jan 2013	682	248	256	8194	9381	9918	19298	682	248	256	1187	8194	9918	19298	5350	709	0	41.1
								****EFFECTIVE SPACE****										
Jan 2013	682	248	256	8194	9381	9918	19298	383	248	235	865	8194	9918	18977	5350	709	0	41.1
Feb 2013	744	302	268	8474	9787	9816	19603	443	302	246	990	8474	9816	19280	1500	715	0	40.9
Mar 2013	792	332	268	8788	10179	9701	19879	489	332	244	1064	8788	9701	19553	1500	1053	0	40.5
Apr 2013	794	332	221	8828	10176	10112	20288	486	332	192	1011	8828	10112	19951	1500	1142	0	40.3
May 2013	756	308	129	8926	10119	10395	20514	442	308	80	830	8926	10395	20152	1500	1031	0	41.3
Jun 2013	632	219	123	8071	9045	10508	19554	307	215	41	563	8071	10508	19142	1500	958	0	42.8
Jul 2013	460	38	176	6776	7450	10537	17987	120	11	46	176	6776	10537	17489	1500	949	0	43.0

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