November 24-Month Study
Date: November 10, 2011

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

Current Reservoir Status

Reservoir	October Inflow (unregulated) (acre-feet)	Percent of Average (%)	November 9 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	50,000	96	6495.56	266,000
Flaming Gorge	74,000	113	6032.27	3,437,000
Blue Mesa	36,000	100	7497.79	643,000
Navajo	54,000	123	6058.43	1,328,000
Powell	575,000	105	3649.48	17,151,000

Expected Operations

The operation of Lake Powell and Lake Mead in this November 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) and draft 2012 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 November 2011 24-Month Study projects the water year release volume from Lake Powell for 2012 to be 12.04 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 years 2011 and 2012.

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/lc/region/g4000/aop/AOP11.pdf.

The draft 2012 AOP is available for download at http://www.usbr.gov/lc/region/g4000/AOP2012/AOP12_ProposedFinal.pdf.

Fontenelle Reservoir – Inflows for the month of October were 50 kaf, or 96% of average. The reservoir elevation is 6496 feet above sea level and 79% of capacity. Current inflows are approximately 850 cfs and reservoir releases are 1,200 cfs. Releases will likely be close to 1,200 cfs for the fall and winter months. The reservoir elevation will continue to decline through the fall and winter.

The Colorado Basin River Forecast Center has issued the water year 2012 (October 2011 to September 2012) forecast. At this early point, inflows over the next year are expected to be 1,140 kaf, or 92% of average. Inflows over the next three months are forecasted to be slightly above average: 47,000 acre-ft (107%), 40,000 acre-ft (121%) and 35,000 acre-ft (113%) for November, December, and January respectively.

The next Fontenelle Working Group meeting is scheduled for April 26, 2012 at 10:00 am at the Seedskadee National Wildlife Refuge visitor's center. 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 October was 74,000 acre-feet (AF), or 113 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 1,500 cfs/day. Monthly releases during December through February will likely vary across months. 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 next three months. The November forecast for November and December is 57 kaf (104 percent of average) and 50 kaf (128 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 April 18, 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 Heather Hermansen at 801-524-3883 or Ed Vidmar at 801-379-1182.

Aspinall Reservoirs – October unregulated inflow into Blue Mesa Reservoir was 36,000 acre-feet or 100 percent of average. Precipitation during October was observed to be about 145 percent of average. The current inflow rate into Blue Mesa Reservoir is about 500 cfs while reservoir releases are averaging about 500 cfs. Blue Mesa's present elevation is 7497.81 feet, which corresponds to a storage content of about 643,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2011 was 1,162,000 acre-feet, or about 123 percent of average.

Releases from Crystal are currently set at 600 cfs. The Gunnison Diversion Tunnel was shut down for the season on November 1st, with exception of some small 50 to 80 cfs diversions taken bi-weekly for municipal water needs in Montrose, Colorado. River flows below the tunnel are essentially the same as releases from the Dam, with the exception of when the tunnel is taking water to refill Fairfield Reservoir for Montrose municipal water needs.

On November 1, 2011, the National Weather Service's River Forecasting Center issued its forecasted inflow into Blue Mesa for the next 3 months. The unregulated inflow forecast for November, December, and January is for 96,000 acre-feet, which is 120% of average for these months.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday January 19th in the Montrose, Colorado, starting at 1:00 PM. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2012 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 - Reclamation decreased the release from Navajo Reservoir to 350 cubic feet per second (cfs) on November 1, 2011 at approximately 8am. This temporary, lower release was made in collaboration with New Mexico Department of Game & Fish's fish habitat project taking place just below the dam. The Department estimates the decreased release will be required for approximately 30 days.

The San Juan River Basin Recovery Implementation Program recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area, therefore daily flows of less than 500 cfs may occur at some gages.

Precipitation for the month of October in the San Juan River basin was about 165 percent of average. Unregulated inflow into Navajo Reservoir during the month of October was 54,000 acre-feet, or 123 percent of average. Currently, the daily reservoir inflow is averaging about 500 cfs. Diversions for NIIP have been shut down for the season. The

reservoir water surface elevation is at 6058.32 feet, which corresponds to a storage content of about 1,327,000 acre-feet.

The unregulated reservoir inflow into Navajo Reservoir during water year 2011 was recorded at 646,000 acre-feet, or about 64 percent of average. 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.

The next public meeting on Navajo Reservoir operations will be held on Tuesday, January 24, 2012 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and spring 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 – During October 2011 the unregulated inflow volume to Lake Powell was 575 kaf (105% of average). This was approximately 75 kaf below what was projected in the October 24-Month Study and resulted in the elevation of Lake Powell ending October about 1.26 feet below what was projected in the October 24-Month Study. The October 31th, 2011 elevation of Lake Powell was 3650.27 feet above sea level which corresponds to a live storage of approximately 17.25 maf and 70.9% of the full capacity of 24.32 maf.

For water year 2011, the observed unregulated inflow volume to Lake Powell was 16.77 maf (139% of average for the 1971-2000 historical period of record). The 2011 water year unregulated inflow volume was the 6th wettest out of 48 years since the closure of Glen Canyon Dam (1963). Water year unregulated inflow volumes of the magnitude observed in water year 2011 (or greater) would statistically be expected to occur in only about 12-14% of all years.

The 2011 water year release volume from Glen Canyon Dam was 12.52 maf and this was the largest water year release volume made from Glen Canyon Dam since water year 1998. During water year 2011, Lake Powell realized a net gain in elevation of 19.35 feet from September 30, 2010 to September 30, 2011and this translated to an increase in live storage in Lake Powell of 2.32 maf.

Current Dam Operations

Releases from Glen Canyon Dam for the 2011 steady flow experiment ended at midnight on October 31, 2011. Releases from Glen Canyon Dam are now being maximized within

unit availability to release Equalization water for 2011that was not released by September 30, 2011.

At the end of water year 2011 (September 30, 2011) the elevation of Lake Powell was 3653.01 feet above sea level and this was 10.01 feet above the Equalization level for water year 2011 (3643 feet) and translated to a volume of 1.233 maf that was in storage above the 2011 Equalization level. Releases from Glen Canyon Dam are being made at the full capacity of the powerplant to release this additional volume in order to achieve the 2011 Equalization objective. Once this additional volume has been released, releases from Glen Canyon Dam will be reduced from the full capacity of the powerplant. Current projections are that this objective will likely be completed by late December 2011.

While the release rate from Glen Canyon Dam over the next two 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 may also be 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 109 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 109 MW of additional generation for up to 2 hours. Under normal circumstances, calls for reserves are infrequent and for much less than the required 109 MW. Because Glen Canyon Powerplant is the largest facility of the CRSP powerplants, typically most of the CRSP reserve requirement is maintained at Glen Canyon Dam but at times this reserve requirement is maintained at other plants within the CRSP system.

Current Inflow Forecasts and Model Projections

Over the next three months (November, December and January) the forecasted unregulated inflow to Lake Powell is projected to be above average with monthly percent of average forecasts of 110%, 115% and 111%, respectively. The hydrologic outlook forecast for water year 2012 has been revised in October and now projects that the most probable (median) unregulated inflow volume to be 11.6 maf (96% of average based on the period from 1971 through 2000). Based on this revised hydrologic outlook forecast, the November 24-Month Study projects the annual release volume for water year 2012 will likely be 12.05 maf. The November 24-Month Study also projects that the

end of water year reservoir elevation and storage for Lake Powell will likely be 3645.00 feet (55.00 feet from full pool) and 16.60 maf (68% of capacity), respectively.

Upper 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 unregulated inflow to Lake Powell, which is a good measure of the hydrologic condition in the Colorado River Basin, has averaged 11.15 maf per year during the period from 2005 through 2011. This is slightly below the official average of 12.04 maf per year. The hydrologic variability during this period has been from a low water year unregulated inflow of 8.40 maf (70% of average) in water year 2006 to a high of 16.77 maf (139% of average) which occurred in 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 November 6, 2011, the total reservoir storage in the Colorado River Basin was 38.52 maf (64.8% of capacity).

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

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

****

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			oct	Forecast		
:	jul	aug	sep	oct	%Avg	nov	dec	jan
GLDA3:Lake Powell	4330	859	532	575	105%:	600/	500/	450/
GBRW4:Fontenelle	539	118	49	50	96%:	47/	40/	35/
GRNU1:Flaming Gorge	772	144	58	74	113%:	57/	50/	45/
BMDC2:Blue Mesa	223	67	35	36	100%:	35/	32/	29/
MPSC2:Morrow Point	231	68	36	37	95%:	37/	34/	32/
CLSC2:Crystal	255	75	39	41	87%:	42/	40/	39/
TPIC2:Taylor Park	37	11.6	7.2	7.3	116%:	7/	6.3/	5.6/
VCRC2:Vallecito	23	9.6	7.6	14.8	108%:	7/	5/	4/
NVRN5:Navajo	40	3.2	15.0	54	123%:	30/	20/	21/
LEMC2:Lemon	4.0	2.1	1.76	2.8	97%:	1.3/	0.9/	0.7/
MPHC2:McPhee	23	14.9	11.0	8.0	86%:	6.5/	4.2/	3.7/

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	34	1	53	1	54	6490.17	229
H	Dec 2010	37	1	55	0	55	6487.27	210
I	Jan 2011	29	1	55	0	55	6482.87	183
S	Feb 2011	26	1	50	0	50	6478.35	158
T	Mar 2011	36	1	58	0	58	6473.74	136
O	Apr 2011	92	1	84	15	100	6471.99	128
R	May 2011	161	1	89	79	168	6470.20	120
I	Jun 2011	429	1	87	283	370	6481.96	178
C	Jul 2011	539	2	110	313	424	6498.87	290
A	Aug 2011	118	2	88	1	89	6502.38	317
L	Sep 2011	49	2	66	0	66	6499.90	298
	WY 2011	**1581**	**14**	**801**	**747**	**1549**		
*	Oct 2011	50	1	56	18	74	6496.55	273
	Nov 2011	47	1	71	0	71	6493.00	248
	Dec 2011	40	1	74	0	74	6487.81	214
	Jan 2012	35	1	74	0	74	6481.38	175
	Feb 2012	35	1	69	0	69	6474.66	140
	Mar 2012	52	0	74	0	74	6469.67	118
	Apr 2012	86	1	77	0	77	6471.54	126
	May 2012	180	1	100	17	117	6483.65	188
	Jun 2012	315	2	103	99	202	6499.89	298
	Jul 2012	168	3	101	19	120	6505.72	343
	Aug 2012	75	2	86	0	86	6504.04	330
	Sep 2012	54	2	71	0	71	6501.60	311
	WY 2012	**1137**	**15**	**955**	**154**	**1109**		
	Oct 2012	52	1	73	0	73	6498.63	289
	Nov 2012	43	1	71	0	71	6494.64	260
	Dec 2012	32	1	73	0	73	6488.40	218
	Jan 2013	30	1	73	0	73	6481.28	174
	Feb 2013	28	1	66	0	66	6473.60	135
	Mar 2013	52	0	73	0	73	6468.47	113
	Apr 2013	89	1	83	0	83	6469.78	118
	May 2013	176	1	99	5	105	6483.78	188
	Jun 2013	307	2	103	90	193	6500.15	300
	Jul 2013	185	3	101	38	138	6505.82	344
	Aug 2013	82	2	86	0	86	6505.05	338
	Sep 2013	48	2	71	0	71	6501.88	313
	WY 2013	**1126**	**15**	**975**	**133**	**1108**		
	Oct 2013	49	1	74	0	74	6498.39	287

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

Model Run ID: 2112

Processed On:11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	31	52	4	63	0	63	125	6023.83	3117	107
H	Dec 2010	45	64	2	68	0	68	125	6023.67	3111	114
I	Jan 2011	44	70	2	68	0	68	125	6023.69	3112	525
S	Feb 2011	36	60	2	67	0	67	125	6023.47	3104	489
T	Mar 2011	98	120	3	59	0	59	127	6024.99	3160	181
O	Apr 2011	159	166	5	172	0	172	127	6024.71	3150	472
R	May 2011	327	334	8	279	47	326	127	6024.73	3150	1108
I	Jun 2011	667	608	10	254	173	427	133	6029.11	3315	1570
C	Jul 2011	771	656	14	263	94	357	144	6036.07	3590	908
A	Aug 2011	144	115	13	148	0	148	142	6034.95	3544	243
L	Sep 2011	58	76	11	144	0	144	139	6033.03	3467	200
	WY 2011	**2414**	**2381**	**80**	**1661**	**314**	**1975**				**6029**
*	Oct 2011	74	97	7	120	0	121	138	6032.27	3437	187
	Nov 2011	57	81	4	89	0	89	138	6031.99	3426	89
	Dec 2011	50	84	2	92	0	92	137	6031.74	3417	92
	Jan 2012	45	84	2	92	0	92	137	6031.49	3407	92
	Feb 2012	45	79	2	86	0	86	137	6031.25	3398	86
	Mar 2012	75	97	3	187	0	187	133	6028.93	3308	187
	Apr 2012	117	108	5	184	0	184	130	6026.87	3230	184
	May 2012	240	177	8	218	0	218	128	6025.61	3183	218
	Jun 2012	380	267	10	181	0	181	131	6027.56	3256	181
	Jul 2012	183	135	13	97	0	97	132	6028.19	3280	97
	Aug 2012	84	95	13	97	0	97	131	6027.82	3266	97
	Sep 2012	62	79	11	94	0	94	130	6027.17	3241	94
	WY 2012	**1412**	**1383**	**80**	**1538**	**0**	**1539**				**1605**
	Oct 2012	61	83	7	97	0	97	130	6026.62	3221	97
	Nov 2012	51	79	3	94	0	94	129	6026.17	3204	94
	Dec 2012	36	77	2	97	0	97	128	6025.62	3183	97
	Jan 2013	41	84	2	97	0	97	127	6025.25	3169	97
	Feb 2013	46	84	2	87	0	87	127	6025.11	3164	87
	Mar 2013	104	126	3	97	0	97	128	6025.78	3189	97
	Apr 2013	142	136	5	94	0	94	130	6026.75	3225	94
	May 2013	265	193	8	144	0	144	131	6027.80	3265	144
	Jun 2013	399	285	10	193	0	193	134	6029.84	3343	193
	Jul 2013	218	171	14	98	0	98	137	6031.31	3400	98
	Aug 2013	96	100	13	98	0	98	136	6031.04	3389	98
	Sep 2013	58	81	11	95	0	95	135	6030.41	3365	95
	WY 2013	**1518**	**1501**	**80**	**1292**	**0**	**1292**				**1292**
	Oct 2013	59	84	7	97	0	97	135	6029.91	3346	97

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	5	5	9312.27	74
H	Dec 2010	5	5	9312.71	74
I	Jan 2011	5	5	9312.70	74
S	Feb 2011	4	4	9312.51	74
T	Mar 2011	5	6	9311.89	73
O	Apr 2011	7	8	9311.44	72
R	May 2011	22	33	9304.21	61
I	Jun 2011	65	28	9326.09	98
C	Jul 2011	37	39	9325.07	96
A	Aug 2011	12	24	9318.44	84
L	Sep 2011	7	20	9310.68	71
	WY 2011	**179**	**181**		
*	Oct 2011	7	9	9309.52	69
	Nov 2011	7	6	9310.15	70
	Dec 2011	6	6	9310.34	70
	Jan 2012	6	6	9310.09	70
	Feb 2012	5	6	9309.27	69
	Mar 2012	5	6	9308.56	68
	Apr 2012	9	12	9306.67	65
	May 2012	27	20	9311.15	72
	Jun 2012	42	24	9321.52	90
	Jul 2012	18	24	9317.94	83
	Aug 2012	9	22	9310.15	70
	Sep 2012	7	16	9304.39	61
	WY 2012	**147**	**157**		
	Oct 2012	6	10	9301.80	58
	Nov 2012	5	6	9301.05	57
	Dec 2012	4	6	9299.94	55
	Jan 2013	4	6	9298.60	53
	Feb 2013	4	6	9297.06	51
	Mar 2013	4	6	9295.69	50
	Apr 2013	8	8	9295.95	50
	May 2013	27	14	9305.53	63
	Jun 2013	43	20	9319.43	86
	Jul 2013	20	20	9319.66	86
	Aug 2013	10	20	9313.94	76
	Sep 2013	7	16	9308.35	67
	WY 2013	**144**	**138**		
	Oct 2013	6	10	9305.84	63

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 2011 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)
*	Nov 2010	27	27	0	24	0	24	7486.60	555
H	Dec 2010	30	29	0	27	0	27	7486.84	557
I	Jan 2011	23	23	0	27	0	27	7486.34	553
S	Feb 2011	21	21	0	43	0	43	7483.46	532
T	Mar 2011	38	39	0	75	0	75	7478.48	495
O	Apr 2011	77	78	1	95	0	95	7475.97	477
R	May 2011	168	179	1	162	0	162	7478.26	493
I	Jun 2011	425	389	1	127	19	146	7508.73	735
C	Jul 2011	222	222	2	150	0	150	7516.80	806
A	Aug 2011	67	79	1	123	0	123	7511.67	760
L	Sep 2011	35	48	1	108	0	108	7504.54	699
	WY 2011	**1162**	**1163**	**8**	**1046**	**19**	**1065**		
*	Oct 2011	36	38	1	93	0	93	7497.84	644
	Nov 2011	35	34	0	38	0	38	7497.36	640
	Dec 2011	32	32	0	90	0	90	7490.00	581
	Jan 2012	29	29	0	72	0	72	7484.40	539
	Feb 2012	25	26	0	62	0	62	7479.54	503
	Mar 2012	34	35	0	38	0	38	7479.08	499
	Apr 2012	78	81	1	47	0	47	7483.60	533
	May 2012	206	199	1	112	0	112	7494.71	619
	Jun 2012	255	237	1	64	0	64	7515.02	790
	Jul 2012	105	112	2	98	0	98	7516.40	802
	Aug 2012	52	65	1	122	0	122	7509.83	744
	Sep 2012	43	52	1	116	0	116	7502.16	679
	WY 2012	**930**	**940**	**9**	**951**	**0**	**951**		
	Oct 2012	40	44	1	70	0	70	7498.90	652
	Nov 2012	32	33	0	40	0	40	7498.07	646
	Dec 2012	25	27	0	91	0	91	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	107	0	107	7493.90	612
	Jun 2013	271	248	1	66	0	66	7515.33	793
	Jul 2013	121	120	2	109	0	109	7516.40	802
	Aug 2013	62	72	1	122	0	122	7510.58	751
	Sep 2013	36	45	1	113	0	113	7502.52	682
	WY 2013	**953**	**947**	**9**	**935**	**0**	**935**		
	Oct 2013	36	39	1	70	0	70	7498.75	651

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	29	24	1	25	26	0	26	7152.79	111
H	Dec 2010	30	27	0	28	27	0	27	7153.98	112
I	Jan 2011	23	27	0	27	27	0	27	7153.70	112
S	Feb 2011	21	43	0	43	44	0	44	7152.08	111
T	Mar 2011	38	75	1	75	73	0	73	7154.37	113
O	Apr 2011	84	95	7	102	104	0	104	7152.20	111
R	May 2011	191	162	23	185	181	0	181	7156.18	114
I	Jun 2011	455	146	30	176	170	0	176	7155.72	114
C	Jul 2011	231	150	9	159	159	0	159	7155.22	113
A	Aug 2011	68	123	1	125	124	0	124	7155.77	114
L	Sep 2011	36	108	1	109	115	0	115	7148.00	108
	WY 2011	**1236**	**1065**	**74**	**1139**	**1133**	**0**	**1139**		
*	Oct 2011	37	93	1	94	91	0	91	7151.08	110
	Nov 2011	37	38	2	40	38	0	38	7153.73	112
	Dec 2011	34	90	2	92	92	0	92	7153.73	112
	Jan 2012	32	72	3	75	75	0	75	7153.73	112
	Feb 2012	27	62	2	64	64	0	64	7153.73	112
	Mar 2012	37	38	3	41	41	0	41	7153.73	112
	Apr 2012	90	47	12	59	59	0	59	7153.73	112
	May 2012	230	112	24	136	136	0	136	7153.73	112
	Jun 2012	275	64	20	84	84	0	84	7153.73	112
	Jul 2012	112	98	7	105	105	0	105	7153.73	112
	Aug 2012	56	122	4	126	126	0	126	7153.73	112
	Sep 2012	46	116	3	119	119	0	119	7153.73	112
	WY 2012	**1013**	**951**	**83**	**1034**	**1030**	**0**	**1030**		
	Oct 2012	43	70	3	73	73	0	73	7153.73	112
	Nov 2012	35	40	2	42	42	0	42	7153.73	112
	Dec 2012	27	91	2	93	93	0	93	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	107	25	132	132	0	132	7153.73	112
	Jun 2013	292	66	21	87	87	0	87	7153.73	112
	Jul 2013	127	109	7	116	116	0	116	7153.73	112
	Aug 2013	65	122	4	126	126	0	126	7153.73	112
	Sep 2013	39	113	3	116	116	0	116	7153.73	112
	WY 2013	**1039**	**935**	**86**	**1022**	**1022**	**0**	**1022**		
	Oct 2013	38	70	3	73	73	0	73	7153.73	112

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	32	26	4	30	30	0	30	6748.60	16	1	29
H	Dec 2010	34	27	4	31	31	0	31	6748.24	16	1	30
I	Jan 2011	27	27	4	31	30	1	31	6749.02	16	1	30
S	Feb 2011	24	44	3	47	24	23	46	6751.55	17	1	47
T	Mar 2011	43	73	5	78	78	0	78	6751.94	17	5	76
O	Apr 2011	92	104	8	112	110	2	112	6752.03	17	38	79
R	May 2011	204	181	13	195	126	68	194	6753.39	17	63	137
I	Jun 2011	516	176	61	237	120	81	237	6752.90	17	62	183
C	Jul 2011	255	159	23	182	128	58	186	6739.47	13	62	136
A	Aug 2011	75	124	7	131	126	2	129	6748.39	16	66	70
L	Sep 2011	39	115	4	119	120	0	120	6744.21	14	64	62
	WY 2011	**1375**	**1139**	**139**	**1278**	**1008**	**235**	**1279**			**413**	**912**
*	Oct 2011	41	91	4	96	94	0	94	6749.65	16	53	44
	Nov 2011	42	38	5	43	42	0	42	6753.04	17	0	42
	Dec 2011	40	92	6	98	98	0	98	6753.04	17	0	98
	Jan 2012	39	75	7	82	82	0	82	6753.04	17	0	82
	Feb 2012	32	64	5	69	69	0	69	6753.04	17	0	69
	Mar 2012	43	41	6	47	47	0	47	6753.04	17	5	42
	Apr 2012	103	59	13	72	72	0	72	6753.04	17	30	42
	May 2012	260	136	30	166	134	32	166	6753.04	17	55	111
	Jun 2012	305	84	30	114	114	0	114	6753.04	17	60	54
	Jul 2012	129	105	17	122	122	0	122	6753.04	17	65	57
	Aug 2012	64	126	8	134	134	0	134	6753.04	17	65	69
	Sep 2012	52	119	6	125	125	0	125	6753.04	17	55	70
	WY 2012	**1150**	**1030**	**137**	**1167**	**1132**	**32**	**1164**			**388**	**779**
	Oct 2012	49	73	6	79	79	0	79	6753.04	17	30	49
	Nov 2012	40	42	5	47	47	0	47	6753.04	17	0	47
	Dec 2012	32	93	5	98	98	0	98	6753.04	17	0	98
	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	132	35	167	134	33	167	6753.04	17	55	112
	Jun 2013	330	87	38	125	125	0	125	6753.04	17	60	65
	Jul 2013	144	116	17	133	133	0	133	6753.04	17	65	68
	Aug 2013	74	126	8	134	134	0	134	6753.04	17	65	69
	Sep 2013	45	116	6	122	122	0	122	6753.04	17	55	67
	WY 2013	**1189**	**1022**	**150**	**1172**	**1138**	**33**	**1172**			**365**	**807**
	Oct 2013	44	73	6	79	79	0	79	6753.04	17	30	49

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	7	2	7639.20	63
H	Dec 2010	6	2	7641.20	67
I	Jan 2011	5	2	7642.53	70
S	Feb 2011	4	2	7643.62	72
T	Mar 2011	7	2	7645.67	77
O	Apr 2011	22	4	7653.10	95
R	May 2011	44	27	7659.70	111
I	Jun 2011	79	64	7664.94	125
C	Jul 2011	23	39	7658.78	109
A	Aug 2011	10	37	7647.29	81
L	Sep 2011	8	29	7637.58	59
	WY 2011	**226**	**222**		
*	Oct 2011	15	9	7640.42	65
	Nov 2011	7	2	7642.72	70
	Dec 2011	5	2	7644.06	73
	Jan 2012	4	2	7644.96	75
	Feb 2012	3	2	7645.68	77
	Mar 2012	6	3	7646.86	80
	Apr 2012	20	3	7653.69	96
	May 2012	64	40	7662.64	119
	Jun 2012	75	69	7664.61	124
	Jul 2012	26	42	7658.52	108
	Aug 2012	17	38	7649.99	87
	Sep 2012	14	30	7643.28	71
	WY 2012	**256**	**241**		
	Oct 2012	12	17	7640.92	66
	Nov 2012	8	3	7643.00	71
	Dec 2012	6	3	7644.16	73
	Jan 2013	5	3	7644.95	75
	Feb 2013	5	3	7645.68	77
	Mar 2013	8	3	7647.75	82
	Apr 2013	22	3	7655.43	100
	May 2013	69	51	7662.49	119
	Jun 2013	78	71	7664.80	125
	Jul 2013	31	42	7660.57	114
	Aug 2013	19	38	7653.09	95
	Sep 2013	17	30	7647.80	82
	WY 2013	**280**	**267**		
	Oct 2013	14	17	7646.22	78

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	17	0	12	1	1	29	6062.08	1374	46
H	Dec 2010	23	0	19	1	1	30	6061.11	1362	42
I	Jan 2011	16	0	13	1	1	31	6059.58	1342	50
S	Feb 2011	18	0	15	1	1	28	6058.41	1328	45
T	Mar 2011	41	2	35	2	4	31	6058.28	1326	46
O	Apr 2011	115	14	84	2	19	31	6060.75	1357	44
R	May 2011	172	22	134	4	28	32	6066.13	1428	79
I	Jun 2011	252	43	193	4	42	113	6068.65	1462	295
C	Jul 2011	40	8	46	5	48	31	6065.88	1424	98
A	Aug 2011	3	2	29	4	47	46	6060.64	1356	47
L	Sep 2011	15	2	35	3	20	40	6058.35	1327	
	WY 2011	**737**	**93**	**641**	**28**	**220**	**478**			**838**
*	Oct 2011	54	4	44	2	10	33	6058.32	1327	55
	Nov 2011	30	1	24	1	0	21	6058.51	1329	21
	Dec 2011	20	0	17	1	0	31	6057.35	1314	31
	Jan 2012	21	0	19	1	0	31	6056.34	1302	31
	Feb 2012	25	0	23	1	0	29	6055.83	1296	29
	Mar 2012	71	3	65	2	2	31	6058.35	1327	31
	Apr 2012	136	17	103	2	17	30	6062.56	1381	30
	May 2012	260	46	190	4	31	57	6069.89	1479	57
	Jun 2012	230	32	193	5	46	146	6069.61	1475	146
	Jul 2012	54	7	63	5	51	34	6067.69	1449	34
	Aug 2012	29	2	48	4	43	53	6063.81	1397	53
	Sep 2012	32	0	47	3	24	36	6062.58	1381	36
	WY 2012	**962**	**111**	**836**	**28**	**224**	**529**			**551**
	Oct 2012	34	1	37	2	6	31	6062.49	1380	31
	Nov 2012	30	1	25	1	0	30	6062.05	1374	30
	Dec 2012	24	0	21	1	0	31	6061.25	1364	31
	Jan 2013	22	0	20	1	0	31	6060.37	1352	31
	Feb 2013	30	0	29	1	0	28	6060.38	1353	28
	Mar 2013	88	3	81	2	2	31	6063.97	1399	31
	Apr 2013	174	15	140	3	17	30	6070.67	1490	30
	May 2013	279	37	222	4	31	114	6075.80	1563	114
	Jun 2013	246	31	208	5	46	259	6068.57	1461	259
	Jul 2013	74	6	79	5	51	44	6067.08	1441	44
	Aug 2013	43	2	60	4	43	45	6064.67	1408	45
	Sep 2013	42	0	54	3	24	38	6063.82	1397	38
	WY 2013	**1087**	**96**	**977**	**29**	**220**	**711**			**711**
	Oct 2013	40	1	42	2	6	31	6064.12	1401	31

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	438	474	39	810	0	810	3630.31	18029	14888	826
H	Dec 2010	416	446	30	847	0	847	3626.54	18017	14469	865
I	Jan 2011	381	429	9	997	0	997	3620.55	18086	13822	1015
S	Feb 2011	317	377	10	964	0	964	3614.95	18076	13235	984
T	Mar 2011	579	581	16	1033	0	1033	3610.73	18039	12804	1055
O	Apr 2011	977	937	25	940	0	940	3611.93	17890	12926	965
R	May 2011	2178	2205	30	1171	0	1171	3623.13	17722	14098	1207
I	Jun 2011	5408	4866	54	1377	0	1377	3648.98	18166	17089	1419
C	Jul 2011	4328	3756	74	1483	0	1483	3660.86	18849	18605	1532
A	Aug 2011	858	974	74	1479	0	1479	3655.34	18986	17890	1530
L	Sep 2011	532	744	67	922	0	922	3653.01	19037	17593	957
	WY 2011	**16774**	**16301**	**467**	**12518**	**0**	**12518**				**12856**
*	Oct 2011	574	692	45	956	0	956	3650.27	19071	17249	984
	Nov 2011	600	623	43	1100	0	1100	3646.37	19033	16768	1100
	Dec 2011	500	611	33	1225	0	1225	3641.40	18985	16169	1225
	Jan 2012	450	550	10	1000	0	1000	3637.78	18951	15743	1000
	Feb 2012	450	532	11	800	0	800	3635.56	18930	15485	800
	Mar 2012	675	755	19	800	0	800	3635.05	18925	15426	800
	Apr 2012	1050	1014	29	962	0	962	3635.23	18927	15447	962
	May 2012	2250	2009	36	1000	0	1000	3642.90	18999	16348	1000
	Jun 2012	2750	2353	58	1100	0	1100	3651.91	19088	17454	1100
	Jul 2012	1150	1093	71	1170	0	1170	3650.82	19077	17318	1170
	Aug 2012	525	677	70	1093	0	1093	3647.18	19041	16868	1093
	Sep 2012	475	608	63	833	0	833	3645.00	19019	16601	833
	WY 2012	**11449**	**11517**	**489**	**12039**	**0**	**12039**				**12067**
	Oct 2012	525	595	43	861	0	861	3642.62	18996	16315	861
	Nov 2012	529	579	41	600	0	600	3642.14	18992	16257	600
	Dec 2012	414	547	33	800	0	800	3639.91	18971	15993	800
	Jan 2013	384	504	10	800	0	800	3637.49	18948	15709	800
	Feb 2013	398	469	11	800	0	800	3634.75	18923	15392	800
	Mar 2013	628	570	18	600	0	600	3634.36	18919	15347	600
	Apr 2013	950	764	29	850	0	850	3633.43	18911	15241	850
	May 2013	2161	1840	35	950	0	950	3640.24	18974	16032	950
	Jun 2013	2811	2491	57	1043	0	1043	3650.83	19077	17320	1043
	Jul 2013	1346	1240	71	1200	0	1200	3650.61	19075	17291	1200
	Aug 2013	566	676	70	1050	0	1050	3647.29	19042	16880	1050
	Sep 2013	460	594	63	700	0	700	3646.00	19029	16723	700
	WY 2013	**11172**	**10869**	**482**	**10254**	**0**	**10254**				**10254**
	Oct 2013	514	584	44	600	0	600	3645.55	19025	16668	600

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	810	13	42	800	13.4	18	795	646	1081.94	9936
H	Dec 2010	847	248	37	660	10.7	9	630	670	1086.30	10301
I	Jan 2011	997	74	31	540	8.8	8	526	700	1091.73	10765
S	Feb 2011	964	84	29	635	11.4	9	616	723	1095.78	11117
T	Mar 2011	1033	77	33	1006	16.4	15	1002	726	1096.39	11170
O	Apr 2011	940	140	40	1078	18.1	20	1066	722	1095.76	11115
R	May 2011	1171	104	47	1001	16.3	25	997	735	1097.90	11304
I	Jun 2011	1377	72	57	939	15.8	25	938	761	1102.38	11705
C	Jul 2011	1483	74	73	1001	16.3	26	1000	789	1107.07	12133
A	Aug 2011	1479	96	80	831	13.5	28	829	827	1113.45	12730
L	Sep 2011	922	94	67	670	11.3	17	668	844	1116.04	12977
	WY 2011	**12518**	**1156**	**578**	**9799**		**224**	**9676**			
*	Oct 2011	956	65	49	443	7.2	18	436	875	1121.00	13456
	Nov 2011	1100	48	50	608	10.2	23	608	903	1125.44	13895
	Dec 2011	1225	99	45	460	7.5	18	460	952	1132.86	14647
	Jan 2012	1000	76	37	728	11.8	16	728	970	1135.53	14924
	Feb 2012	800	92	34	683	11.9	14	683	980	1136.98	15074
	Mar 2012	800	80	39	1014	16.5	20	1014	968	1135.24	14893
	Apr 2012	962	60	48	1104	18.6	16	1104	959	1133.91	14755
	May 2012	1000	49	55	1005	16.3	27	1005	957	1133.57	14720
	Jun 2012	1100	23	66	922	15.5	22	922	964	1134.59	14825
	Jul 2012	1170	50	83	905	14.7	24	905	976	1136.47	15021
	Aug 2012	1093	109	89	810	13.2	26	810	993	1138.94	15280
	Sep 2012	833	70	74	633	10.6	18	633	1004	1140.52	15447
	WY 2012	**12039**	**820**	**670**	**9315**		**243**	**9308**			
	Oct 2012	861	59	55	388	6.3	22	388	1032	1144.51	15875
	Nov 2012	600	48	55	655	11.0	21	655	1027	1143.78	15796
	Dec 2012	800	99	48	522	8.5	17	522	1046	1146.48	16090
	Jan 2013	800	76	40	709	11.5	16	709	1053	1147.43	16194
	Feb 2013	800	92	36	715	12.9	15	715	1060	1148.50	16312
	Mar 2013	600	80	41	1053	17.1	21	1053	1034	1144.78	15904
	Apr 2013	850	60	50	1142	19.2	17	1142	1016	1142.18	15624
	May 2013	950	49	57	1031	16.8	27	1031	1008	1141.16	15515
	Jun 2013	1043	23	68	958	16.1	23	958	1009	1141.31	15531
	Jul 2013	1200	50	86	949	15.4	25	949	1021	1142.98	15710
	Aug 2013	1050	109	92	859	14.0	27	859	1032	1144.55	15880
	Sep 2013	700	70	76	700	11.8	19	700	1031	1144.33	15856
	WY 2013	**10254**	**815**	**702**	**9680**		**251**	**9680**			
	Oct 2013	600	59	55	531	8.6	23	531	1034	1144.76	15903

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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)
*	Nov 2010	800	-29	10	631	0	631	10.6	638.09	1567
H	Dec 2010	660	-15	9	553	0	553	9.0	641.21	1650
I	Jan 2011	540	-7	10	502	0	502	8.2	641.95	1670
S	Feb 2011	635	-10	10	586	0	586	10.5	643.01	1699
T	Mar 2011	1006	-11	13	976	0	976	15.9	643.23	1705
O	Apr 2011	1078	-13	17	1047	0	1047	17.6	643.30	1707
R	May 2011	1001	-10	22	949	0	949	15.4	644.04	1727
I	Jun 2011	939	-9	25	954	0	954	16.0	642.27	1679
C	Jul 2011	1001	-10	25	943	0	943	15.3	643.11	1702
A	Aug 2011	831	-6	23	822	0	822	13.4	642.38	1682
L	Sep 2011	670	-6	18	717	0	717	12.1	639.73	1610
	WY 2011	**9799**	**-120**	**198**	**9446**	**0**	**9446**			
*	Oct 2011	443	7	15	611	0	611	9.9	633.03	1435
	Nov 2011	608	-10	10	511	0	511	8.6	636.00	1512
	Dec 2011	460	-13	9	367	0	367	6.0	638.70	1583
	Jan 2012	728	-17	10	619	0	619	10.1	641.80	1666
	Feb 2012	683	-6	10	668	0	668	11.6	641.80	1666
	Mar 2012	1014	-15	13	952	0	952	15.5	643.05	1700
	Apr 2012	1104	-15	17	1074	0	1074	18.0	643.00	1699
	May 2012	1005	-10	22	972	0	972	15.8	643.00	1699
	Jun 2012	922	-6	25	918	0	918	15.4	642.00	1671
	Jul 2012	905	1	25	894	0	894	14.5	641.50	1658
	Aug 2012	810	-5	23	782	0	782	12.7	641.50	1658
	Sep 2012	633	1	18	709	0	709	11.9	638.00	1564
	WY 2012	**9315**	**-87**	**197**	**9077**	**0**	**9077**			
	Oct 2012	388	3	14	569	0	569	9.3	630.49	1371
	Nov 2012	655	-10	10	521	0	521	8.8	635.00	1486
	Dec 2012	522	-13	9	402	0	402	6.5	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
	Aug 2013	859	-5	23	831	0	831	13.5	641.50	1658
	Sep 2013	700	1	18	777	0	777	13.1	638.00	1564
	WY 2013	**9680**	**-91**	**196**	**9392**	**0**	**9392**			
	Oct 2013	531	3	15	649	0	649	10.6	633.00	1434

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 2011 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Nov 2010	631	38	9	428	7.2	98	159	447.59	572	114	1.9
H	Dec 2010	553	33	7	290	4.7	93	183	448.10	582	147	2.4
I	Jan 2011	502	8	6	391	6.4	52	89	446.40	550	141	2.3
S	Feb 2011	586	15	8	415	7.5	23	135	447.29	567	173	3.1
T	Mar 2011	976	6	9	694	11.3	71	181	448.06	581	199	3.2
O	Apr 2011	1047	18	11	786	13.2	71	180	448.54	590	204	3.4
R	May 2011	949	17	13	691	11.2	83	167	448.68	593	115	1.9
I	Jun 2011	954	14	15	708	11.9	96	155	447.73	575	120	2.0
C	Jul 2011	943	34	17	762	12.4	100	77	448.22	584	127	2.1
A	Aug 2011	822	25	17	669	10.9	91	60	448.13	583	97	1.6
L	Sep 2011	717	31	15	538	9.0	83	102	448.28	585	91	1.5
	WY 2011	**9446**	**263**	**140**	**6837**		**964**	**1652**			**1634**	
*	Oct 2011	611	32	12	472	7.7	8	149	447.97	579	63	1.0
	Nov 2011	511	26	9	347	5.8	6	177	447.50	571	90	1.5
	Dec 2011	367	21	7	254	4.1	14	121	446.80	557	92	1.5
	Jan 2012	619	15	6	356	5.8	85	178	447.00	561	128	2.1
	Feb 2012	668	6	8	455	7.9	77	129	447.00	561	156	2.7
	Mar 2012	952	22	9	694	11.3	85	178	447.00	561	195	3.2
	Apr 2012	1074	18	11	786	13.2	83	171	448.70	593	192	3.2
	May 2012	972	13	13	698	11.3	86	178	448.70	593	111	1.8
	Jun 2012	918	9	16	681	11.4	83	137	448.70	593	120	2.0
	Jul 2012	894	15	17	742	12.1	85	65	448.00	580	126	2.0
	Aug 2012	782	18	17	630	10.2	85	65	447.50	571	95	1.5
	Sep 2012	709	15	15	548	9.2	61	103	446.81	557	89	1.5
	WY 2012	**9077**	**211**	**140**	**6664**		**756**	**1651**			**1458**	
	Oct 2012	569	20	12	440	7.2	24	115	446.31	548	63	1.0
	Nov 2012	521	26	8	383	6.4	24	122	446.50	552	109	1.8
	Dec 2012	402	21	6	281	4.6	24	106	446.50	552	115	1.9
	Jan 2013	600	15	6	356	5.8	106	141	446.50	552	122	2.0
	Feb 2013	700	6	8	462	8.3	96	135	446.50	552	153	2.8
	Mar 2013	991	22	9	708	11.5	106	178	446.70	555	208	3.4
	Apr 2013	1111	18	11	796	13.4	103	172	448.70	593	200	3.4
	May 2013	998	13	13	703	11.4	106	178	448.70	593	111	1.8
	Jun 2013	954	9	16	676	11.4	103	155	448.70	593	112	1.9
	Jul 2013	938	15	17	731	11.9	106	98	448.00	580	118	1.9
	Aug 2013	831	18	17	626	10.2	106	97	447.50	571	92	1.5
	Sep 2013	777	15	15	531	8.9	103	147	446.81	557	89	1.5
	WY 2013	**9392**	**199**	**139**	**6695**		**1007**	**1646**			**1494**	
	Oct 2013	649	20	12	443	7.2	106	110	446.31	548	72	1.2

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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
*	Nov 2010	800	13.4	1081.94	9936	-35	437.87	1185.0	305.1	74	381.4
H	Dec 2010	660	10.7	1086.30	10301	365	439.05	1388.0	246.5	87	373.5
I	Jan 2011	540	8.8	1091.73	10765	463	446.84	1103.0	200.9	69	372.4
S	Feb 2011	635	11.4	1095.78	11117	353	447.78	1414.0	244.7	88	385.7
T	Mar 2011	1006	16.4	1096.39	11170	54	449.79	1232.0	398.2	75	395.8
O	Apr 2011	1078	18.1	1095.76	11115	-55	449.53	1157.0	430.9	70	399.6
R	May 2011	1001	16.3	1097.90	11304	189	452.71	1468.0	394.5	88	393.9
I	Jun 2011	939	15.8	1102.38	11705	401	457.87	1661.0	372.1	100	396.2
C	Jul 2011	1001	16.3	1107.07	12133	429	462.21	1698.0	403.2	100	402.6
A	Aug 2011	831	13.5	1113.45	12730	597	469.04	1721.0	338.8	100	407.7
L	Sep 2011	670	11.3	1116.04	12977	247	473.88	1757.0	272.0	100	406.1
	WY 2011	**9799**							**3848.4**		
*	Oct 2011		7.2	1121.00	13456	479	478.70	1311.0	178.9	74	
	Nov 2011	608	10.2	1125.44	13895	439	479.25	1110.0	259.9	61	427.7
	Dec 2011	460	7.5	1132.86	14647	752	481.07	1550.0	192.3	82	417.7
	Jan 2012	728	11.8	1135.53	14924	277	486.46	1175.0	318.1	61	436.9
	Feb 2012	683	11.9	1136.98	15074	151	487.40	1196.0	298.7	62	437.4
	Mar 2012	1014	16.5	1135.24	14893	-181	485.41	1438.0	443.1	75	436.8
	Apr 2012	1104	18.6	1133.91	14755	-137	482.81	1551.0	486.1	81	440.2
	May 2012	1005	16.3	1133.57	14720	-35	482.02	1546.0	433.1	81	431.0
	Jun 2012	922	15.5	1134.59	14825	105	480.57	1920.0	395.7	100	429.0
	Jul 2012	905	14.7	1136.47	15021	196	482.50	1932.0	386.5	100	427.2
	Aug 2012	810	13.2	1138.94	15280	259	484.83	1946.0	350.1	100	432.4
	Sep 2012	633	10.6	1140.52	15447	167	488.00	1953.0	266.4	100	421.1
	WY 2012	**8872**							**4008.8**		
	Oct 2012	388	6.3	1144.51	15875	428	493.88	1802.0	159.9	91	412.1
	Nov 2012	655	11.0	1143.78	15796	-79	499.44	1539.0	285.5	78	435.7
	Dec 2012	522	8.5	1146.48	16090	294	497.72	1551.0	227.8	78	436.8
	Jan 2013	709	11.5	1147.43	16194	104	497.28	1561.0	310.0	78	437.3
	Feb 2013	715	12.9	1148.50	16312	118	498.52	1343.0	321.0	67	448.9
	Mar 2013	1053	17.1	1144.78	15904	-408	495.92	1482.0	471.4	75	447.6
	Apr 2013	1142	19.2	1142.18	15624	-280	491.70	1600.6	513.0	81	449.4
	May 2013	1031	16.8	1141.16	15515	-109	489.91	1600.6	452.4	81	438.9
	Jun 2013	958	16.1	1141.31	15531	16	487.70	1976.0	410.3	100	428.4
	Jul 2013	949	15.4	1142.98	15710	179	489.09	1976.0	412.9	100	435.1
	Aug 2013	859	14.0	1144.55	15880	170	490.88	1976.0	377.8	100	440.0
	Sep 2013	700	11.8	1144.33	15856	-24	492.70	1976.0	301.9	100	431.2
	WY 2013	**9680**							**4244.0**		
	Oct 2013	531	8.6	1144.76	15903	47	495.94	1798.2	223.6	91	420.7

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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
*	Nov 2010	631	10.6	638.09	1567	130	137.83	153.0	77.2	60	122.5
H	Dec 2010	553	9.0	641.21	1650	84	141.87	168.3	67.8	66	122.6
I	Jan 2011	502	8.2	641.95	1670	20	140.42	153.0	63.3	60	125.9
S	Feb 2011	586	10.5	643.01	1699	29	139.78	181.1	73.6	71	125.6
T	Mar 2011	976	15.9	643.23	1705	6	138.82	204.0	123.0	80	126.0
O	Apr 2011	1047	17.6	643.30	1707	2	141.68	227.0	131.6	89	125.7
R	May 2011	949	15.4	644.04	1727	20	142.61	255.0	120.3	100	126.8
I	Jun 2011	954	16.0	642.27	1679	-48	140.41	249.9	120.6	98	126.4
C	Jul 2011	943	15.3	643.11	1702	23	143.18	255.0	119.3	100	126.5
A	Aug 2011	822	13.4	642.38	1682	-20	140.95	255.0	103.5	100	125.9
L	Sep 2011	717	12.1	639.73	1610	-72	137.99	255.0	90.2	100	125.8
	WY 2011	**9446**							**1182.3**		
*	Oct 2011	611	9.9	633.03	1435	-175	133.41	181.1	74.4	71	121.8
	Nov 2011	511	8.6	636.00	1512	76	129.27	183.6	61.3	72	119.9
	Dec 2011	367	6.0	638.70	1583	71	132.41	178.5	45.3	70	123.5
	Jan 2012	619	10.1	641.80	1666	83	135.70	170.9	77.0	67	124.5
	Feb 2012	668	11.6	641.80	1666	0	137.51	163.2	83.7	64	125.3
	Mar 2012	952	15.5	643.05	1700	34	135.78	242.3	118.6	95	124.6
	Apr 2012	1074	18.0	643.00	1699	-2	136.07	255.0	133.6	100	124.4
	May 2012	972	15.8	643.00	1699	0	136.04	255.0	121.6	100	125.0
	Jun 2012	918	15.4	642.00	1671	-27	135.51	255.0	114.5	100	124.7
	Jul 2012	894	14.5	641.50	1658	-14	134.73	255.0	111.1	100	124.3
	Aug 2012	782	12.7	641.50	1658	0	134.46	255.0	97.5	100	124.7
	Sep 2012	709	11.9	638.00	1564	-94	132.62	255.0	87.5	100	123.4
	WY 2012	**9077**							**1126.1**		
	Oct 2012	569	9.3	630.49	1371	-193	127.85	219.3	68.0	86	119.4
	Nov 2012	521	8.8	635.00	1486	115	125.53	244.8	61.6	96	118.2
	Dec 2012	402	6.5	638.71	1583	97	130.29	229.5	49.4	90	122.8
	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
	Aug 2013	831	13.5	641.50	1658	0	134.46	255.0	103.4	100	124.4
	Sep 2013	777	13.1	638.00	1564	-94	132.62	255.0	95.5	100	123.0
	WY 2013	**9392**							**1161.2**		
	Oct 2013	649	10.6	633.00	1434	-130	129.17	219.3	77.9	86	120.0

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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
*	Nov 2010	428	7.2	447.59	572	-30	79.41	91.2	30.4	76	71.1
H	Dec 2010	290	4.7	448.10	582	10	82.60	104.4	19.7	87	67.9
I	Jan 2011	391	6.4	446.40	550	-32	80.10	97.2	26.8	81	68.6
S	Feb 2011	415	7.5	447.29	567	17	76.83	90.0	29.3	75	70.7
T	Mar 2011	694	11.3	448.06	581	15	80.18	112.8	47.4	94	68.4
O	Apr 2011	786	13.2	448.54	590	9	82.13	120.0	54.4	100	69.1
R	May 2011	691	11.2	448.68	593	3	80.58	120.0	47.9	100	69.3
I	Jun 2011	708	11.9	447.73	575	-18	81.68	114.0	49.9	95	70.4
C	Jul 2011	762	12.4	448.22	584	9	81.72	116.4	51.6	97	67.7
A	Aug 2011	669	10.9	448.13	583	-2	82.04	120.0	46.1	100	68.9
L	Sep 2011	538	9.0	448.28	585	3	82.16	120.0	39.4	100	73.2
	WY 2011	**6837**							**474.2**		
*	Oct 2011	472	7.7	447.97	579	-6	81.92	92.4	31.5	77	66.8
	Nov 2011	347	5.8	447.50	571	-9	76.52	90.0	22.6	75	65.1
	Dec 2011	254	4.1	446.80	557	-13	77.45	64.8	16.4	54	64.3
	Jan 2012	356	5.8	447.00	561	4	77.54	60.0	23.7	50	66.4
	Feb 2012	455	7.9	447.00	561	0	76.41	79.2	30.2	66	66.3
	Mar 2012	694	11.3	447.00	561	0	75.81	90.0	46.2	75	66.6
	Apr 2012	786	13.2	448.70	593	32	75.23	120.0	52.0	100	66.1
	May 2012	698	11.3	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jun 2012	681	11.4	448.70	593	0	76.05	120.0	45.3	100	66.5
	Jul 2012	742	12.1	448.00	580	-13	75.71	120.0	49.2	100	66.3
	Aug 2012	630	10.2	447.50	571	-10	75.13	120.0	41.3	100	65.6
	Sep 2012	548	9.2	446.81	557	-13	74.55	120.0	35.6	100	64.9
	WY 2012	**6664**							**440.3**		
	Oct 2012	440	7.2	446.31	548	-9	74.77	102.0	28.4	85	64.6
	Nov 2012	383	6.4	446.50	552	3	74.62	102.0	24.6	85	64.1
	Dec 2012	281	4.6	446.50	552	0	74.71	102.0	17.7	85	62.8
	Jan 2013	356	5.8	446.50	552	0	74.71	102.0	22.7	85	63.8
	Feb 2013	462	8.3	446.50	552	0	73.92	120.0	29.7	100	64.2
	Mar 2013	708	11.5	446.70	555	4	74.01	120.0	46.0	100	64.9
	Apr 2013	796	13.4	448.70	593	38	75.08	120.0	52.6	100	66.0
	May 2013	703	11.4	448.70	593	0	76.05	120.0	46.8	100	66.5
	Jun 2013	676	11.4	448.70	593	0	76.05	120.0	45.0	100	66.5
	Jul 2013	731	11.9	448.00	580	-13	75.71	120.0	48.5	100	66.3
	Aug 2013	626	10.2	447.50	571	-10	75.13	120.0	41.0	100	65.5
	Sep 2013	531	8.9	446.81	557	-13	74.55	120.0	34.4	100	64.8
	WY 2013	**6695**							**437.3**		
	Oct 2013	443	7.2	446.31	548	-9	74.77	102.0	28.6	85	64.6

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 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
*	Nov 2010	369	24	7	9	4	4
H	Dec 2010	382	26	8	9	4	4
I	Jan 2011	445	26	8	9	4	4
S	Feb 2011	425	26	12	15	4	3
T	Mar 2011	453	23	21	26	15	4
	Winter 2011	**2299**	**156**	**79**	**97**	**48**	**19**
O	Apr 2011	415	65	26	37	21	5
R	May 2011	520	105	44	66	23	5
I	Jun 2011	634	98	36	61	23	5
C	Jul 2011	708					
A	Aug 2011	706	60	39	44	22	8
L	Sep 2011	442	58	34	41	22	6
	Summer 2011	**3425**	**386**	**179**	**248**	**111**	**30**
*	Oct 2011	446	48	28	33	18	5
	Nov 2011	477	33	11	13	7	6
	Dec 2011	527	34	27	33	17	6
	Jan 2012	427	34	21	27	14	6
	Feb 2012	339	32	18	23	12	5
	Mar 2012	339	69	11	15	8	5
	Winter 2012	**2555**	**249**	**116**	**144**	**76**	**33**
	Apr 2012	407	67	14	21	12	5
	May 2012	426	80	33	49	23	7
	Jun 2012	476	66	20	30	20	9
	Jul 2012	510	35	31	38	21	10
	Aug 2012	474	35	38	45	23	8
	Sep 2012	360	34	36	43	22	7
	Summer 2012	**2654**	**318**	**171**	**227**	**121**	**46**
	Oct 2012	370	35	21	26	14	7
	Nov 2012	257	34	12	15	8	6
	Dec 2012	342	35	27	33	17	6
	Jan 2013	341	35	23	29	15	6
	Feb 2013	339	32	16	21	11	5
	Mar 2013	254	35	10	14	8	5
	Winter 2013	**1903**	**207**	**109**	**139**	**72**	**35**
	Apr 2013	359	34	14	21	12	5
	May 2013	403	53	31	48	23	7
	Jun 2013	450	71	20	31	22	9
	Jul 2013	523	36	34	42	23	10
	Aug 2013	456	36	38	45	23	8
	Sep 2013	303	35	35	42	21	7
	Summer 2013	**2190**	**230**	**138**	**187**	**103**	**39**
	Oct 2013	259	36	21	26	14	7

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

November 2011 24-Month Study

Most Probable Inflow*

Flood Control Critera

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****										
Nov 2011	383	186	369	7073	8011	13921	21932	383	186	369	938	7073	13921	21932	3810	608	0	38.6
Dec 2011	419	190	367	7554	8529	13482	22012	419	190	367	976	7554	13482	22012	4580	460	0	38.7
Jan 2012	463	248	382	8153	9246	12730	21976	463	248	382	1093	8153	12730	21976	5350	728	0	38.5
								****EFFECTIVE SPACE****										
Jan 2012	463	248	382	8153	9246	12730	21976	39	239	299	577	8153	12730	21461	5350	728	0	38.5
Feb 2012	513	291	394	8579	9777	12453	22230	86	282	311	679	8579	12453	21712	1500	683	0	38.3
Mar 2012	556	327	400	8837	10121	12303	22424	127	319	316	763	8837	12303	21904	1500	1014	0	38.0
Apr 2012	668	330	369	8896	10264	12484	22748	239	323	282	845	8896	12484	22225	1500	1104	0	38.0
May 2012	738	297	315	8875	10226	12622	22848	307	292	209	808	8875	12622	22305	1500	1005	0	39.0
Jun 2012	724	211	217	7974	9126	12657	21783	285	198	76	559	7974	12657	21191	1500	922	0	40.6
Jul 2012	540	39	221	6868	7668	12552	20220	86	7	29	123	6868	12552	19542	1500	905	0	40.7
								****CREDITABLE SPACE****										
Aug 2012	471	27	247	7004	7750	12356	20105	471	27	247	745	7004	12356	20105	1500	810	0	40.3
Sep 2012	498	85	299	7454	8337	12097	20433	498	85	299	882	7454	12097	20433	2270	633	0	40.0
Oct 2012	542	150	315	7721	8728	11930	20658	542	150	315	1007	7721	11930	20658	3040	388	0	39.8
Nov 2012	585	177	316	8007	9086	11502	20588	585	177	316	1078	8007	11502	20588	3810	655	0	39.8
Dec 2012	631	184	322	8065	9201	11581	20782	631	184	322	1136	8065	11581	20782	4580	522	0	39.7
Jan 2013	693	248	332	8329	9603	11287	20889	693	248	332	1273	8329	11287	20889	5350	709	0	39.5
								****EFFECTIVE SPACE****										
Jan 2013	693	248	332	8329	9603	11287	20889	404	248	242	894	8329	11287	20510	5350	709	0	39.5
Feb 2013	751	302	344	8613	10009	11183	21191	460	302	253	1014	8613	11183	20810	1500	715	0	39.3
Mar 2013	795	332	343	8930	10400	11065	21465	501	332	252	1085	8930	11065	21080	1500	1053	0	38.9
Apr 2013	792	332	297	8975	10397	11473	21870	494	332	202	1028	8975	11473	21477	1500	1142	0	38.7
May 2013	750	308	206	9081	10346	11753	22099	446	308	92	846	9081	11753	21680	1500	1031	0	39.7
Jun 2013	640	217	133	8290	9281	11862	21143	325	217	-16	526	8290	11862	20678	1500	958	0	41.2
Jul 2013	451	37	235	7002	7725	11846	19572	120	12	35	167	7002	11846	19015	1500	949	0	41.4
								****CREDITABLE SPACE****										
Aug 2013	350	27	255	7031	7663	11667	19330	350	27	255	632	7031	11667	19330	1500	859	0	41.1
Sep 2013	367	79	288	7442	8175	11497	19672	367	79	288	733	7442	11497	19672	2270	700	0	40.7
Oct 2013	416	147	299	7599	8461	11521	19982	416	147	299	862	7599	11521	19982	3040	531	0	40.4

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

Model Run ID: 2112

Processed On: 11/9/2011 5:09:34PM