

**May 24-Month Study**  
**Date: May 13, 2009**

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

**Current Reservoir Status**

Reservoir	April Inflow (unregulated) (acre-feet)	Percent of Average (%)	May 12 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	91,000	98	6477.27	153,000
Flaming Gorge	127,000	81	6021.43	3,030,000
Blue Mesa	104,000	139	7497.08	638,000
Powell	772,000	78	3615.62	13,304,000
Navajo	126,000	74	6064.21	1,402,000

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**Expected Operations**

The operation of Lake Powell and Lake Mead in this May 2009 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 2009 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the Upper Elevation Balancing Tier is the operational tier for water year 2009 for Glen Canyon Dam. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2009.

The Interim Guidelines are available for download at  
<http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.  
The 2009 AOP is available for download at  
[http://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP09\\_final.pdf](http://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP09_final.pdf).

The April 24-Month Study projected the end of water year elevation at Lake Powell to be below the 2009 Equalization Elevation of 3639 feet and the projected end of water year elevation at Lake Mead to be above elevation 1075 feet. Pursuant to Sections 6.B.1. and 6.B.4. of the Interim Guidelines, the annual release volume will be 8.23 million acre-feet from Glen Canyon Dam during water year 2009 which is reflected in the May 24-Month Study.

**Fontenelle Reservoir** – Inflows for the month of April were 91,000 acre-feet, or 98% of average. The reservoir elevation is 6476.7 feet above sea level, about 29 feet from top of pool, or 43% of capacity. The April forecast for the April to July runoff season is 750,000 acre-feet (87% of average).

Releases from Fontenelle are currently 950 cfs while inflows are averaging 1400 cfs. Releases will likely be increased to approximately 1,700 cfs in mid-May after work in the stilling basin at the dam has been completed. Current modeling projects the reservoir will fill this runoff season and it is likely that bypasses will be required to safely route the inflow to the reservoir.

The next Fontenelle Working Group meeting is scheduled for August 18, 2009 at 10:00 am at the City of Green River city hall. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. For more information about the Fontenelle Working Group, contact Ed Vidmar at 801-379-1182.

**Flaming Gorge Reservoir** – April observed unregulated inflow into Flaming Gorge reservoir was 127,000 acre-feet (AF), or 86 percent of average inflow. The April end of month elevation was 6021.2 feet, which equates to 3.02 million acre-feet or 81 percent of live storage capacity. The May forecast for April through July unregulated inflow volume into Flaming Gorge Reservoir increase to 890,000 AF (75 percent of average).

Flaming Gorge Reservoir is in the average hydrologic classification for spring releases as outlined in the Flaming Gorge Record of Decision. Flaming Gorge Dam began ramping up for spring releases on Monday, May 11, 2009 and reached powerplant capacity releases of approximately 4,300 cfs on Tuesday, May 12, 2009. It is anticipated that Flaming Gorge will remain at powerplant capacity of 4,300 cfs for five to ten days until the spring objectives have been met. Spring objectives for 2009 are measured on the Green River at Jensen, Utah and are (1) five consecutive days of 15,000 cfs or greater and (2) an instantaneous peak release of 18,600 cfs. Once the spring objectives have been met, Flaming Gorge will decrease at a rate of 500 cfs/day to an average daily base flow release. The base flow release has not yet been determined.

The next Flaming Gorge Working Group meeting is scheduled for August 26, 2009, in Vernal, Utah. The meeting will be held at 11:00 a.m. at the Western Park Convention Center located at 302 East 200 South in Vernal, Utah. For directions, please call 435-789-7396. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. For more information on this group and these meetings please contact Ed Vidmar at 801-379-1182.

**Aspinall Units** – April unregulated inflow into Blue Mesa Reservoir was 104,000 acre-feet or 139 percent of average. On May 12, 2009 the basin snowpack was 49 percent of average. Precipitation during April was 115 percent of average. The current inflow rate into Blue Mesa Reservoir is about 5,600 cfs while reservoir releases are averaging about 4,200 cfs. Currently the weather pattern has been warmer and drier than average, resulting in an earlier spring runoff. As a result we have increased the Aspinall unit releases in response to peaking tributary flows and to help satisfy the newly adjudicated Black Canyon Water Right. Blue Mesa's present elevation is 7497.08 feet, which corresponds to a storage content of about 638,000 acre-feet.

The latest Water Supply Forecast for Water Year 2009 has been issued and the April through July unregulated inflow is forecasted to be at 690,000 acre-feet (96% of average). This is the same as last month's forecast. Based on this runoff forecast, Blue Mesa Reservoir is projected to fill this season. The Black Canyon Water based on this runoff forecast is calling for a 24-hour peak of 5,864 cfs in the canyon below the diversion tunnel.

Releases from Crystal are currently set to help meet the Black Canyon Water right and are currently set at approximately 7,000 cfs. The Gunnison Diversion Tunnel is diverting about 800 cfs, which results in a river flow below the diversion tunnel of approximately 6,200 cfs. These rates are changing rapidly and are expected to lower to about 3,000 cfs from Crystal Dam over the next week. Reservoir daily changes will continue as conditions warrant, primarily as we respond to changes in the hydrology and forecasted spring inflows.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 27, 2009 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** – The May 1<sup>st</sup> inflow forecast from the Colorado Basin River Forecast Center is now predicting an inflow of 690,000 acre-feet into Navajo Reservoir, which is the same as the April 1<sup>st</sup> forecast. Based on the runoff forecast, there will be a 2-week spring peak release that will begin with roughly a 1-week ramp up on May 20th and conclude with roughly a 1-week ramp down, finishing on approximately June 18th. The peak flow of 5000 cfs is scheduled to occur for 13 days, beginning on May 28th and concluding on June 10th when the ramp down begins. This release schedule is still subject to change, based on the mid-May forecast. Required gate inspections will take place after the peak release this year. A return to a 500 cfs release is anticipated for the remainder of the summer, except when additional water will be required to meet target base flows in the critical habitat area. A reservoir elevation of 6065 is targeted for the end of the water year.

Releases are made for the authorized purposes of the Navajo Unit, and to attempt to meet flow recommendations for the endangered fish in the San Juan River.

The snowpack as of May 12th for the upper San Juan River basin is averaging 45 percent. The Animas River basin snowpack currently stands at 31 percent of average. Unregulated inflow into Navajo Reservoir during the month of April was 126,000 acre-feet, or 74 percent of average. Currently, the daily reservoir inflow is averaging about 5,500 cfs while reservoir releases are set at 500 cfs. NIIP started diversions on March 4th, which are currently set at 700 cfs. The reservoir water surface elevation is currently 6064.21 feet, which corresponds to a storage content of about 1,402,000 acre-feet

A public meeting on Navajo Reservoir operations was held on Thursday, April 24, 2008 at 1:00 p.m. in Farmington, New Mexico. Reservoir operations over last fall and winter were reviewed, and plans for next spring and summer 2008 operations were 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 Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

***Glen Canyon Dam / Lake Powell*** - Inflows to Lake Powell have increased significantly in the past several weeks as a result of runoff from the melting snowpack. From mid April to early May inflows have increased from about 7,000 cfs to over 30,000 cfs. As a result, the reservoir elevation of Lake Powell has risen over 5 feet in the past 2 weeks. As of May 10, 2009 the reservoir elevation of Lake Powell was 3614.62 feet above sea level and the Castle Rock Cut-Off is now open.

The Colorado Basin River Forecast Center's May water supply forecast for Lake Powell for the April to July runoff season increased to 7.3 million acre-feet (92% of average). The May forecast increased by 100,000 acre-feet as compared to the April Forecast. Based on this forecast, with the projected operations of the upstream reservoirs and a scheduled 8.23 million acre-foot release from Lake Powell in water year 2009, the May 24-month study projects the end of water year elevation of Lake Powell to be 3638.71 feet above sea level.

The monthly release volume for May 2009 is scheduled to be 600,000 acre-feet. Daily average releases during most of May will be about 10,250 cfs. Monday through Friday releases will peak each afternoon to about 12,500 cfs with early morning releases of approximately 6,500 cfs. Weekend afternoon peak releases will also be about 12,500 cfs with morning low releases near 6,500 cfs. The release volume for June 2009 is 625,000 acre-feet which will result in an average daily release of 10,500 cfs. Afternoon peaks will likely be about 12,500 cfs and early morning releases will likely be about 6,500 cfs.

Beginning on May 21, 2009 at approximately 6:00 pm, releases from Glen Canyon Dam are scheduled to be steady at 8,000 cfs for a 5 day period so that the Grand Canyon Monitoring and Research Center (GCMRC) can conduct over-flight data gathering of the channel of the Colorado River through Grand Canyon National Park. Releases are scheduled to continue to remain steady at 8,000 cfs until approximately 4:00 am on May 27, 2009. However, if GCMRC is able complete the planned over flight work before this date and time, operations at Glen Canyon Dam would resume normal daily fluctuations.

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

The overall precipitation rates during October and November 2008 were well below average at approximately 55% and 80% respectively. In December, however, conditions improved significantly with precipitation measuring approximately 185% of average. Unfortunately this wetter trend did not continue with precipitation in January, February and March measuring 95%, 75% and 65% of average respectively. In April conditions appeared returned to a wetter pattern with precipitation measured at 125% of average. The overall water year precipitation rate through May 10, 2009 is 102% of average.

The Climate Prediction Center outlook for temperature and precipitation over the next 3 months indicates that temperatures in the southwest have an increased probability of being above average while precipitation has an increased probability of being below average in the Upper Colorado River Basin.

### **Upper Colorado River Basin Drought**

The Upper Colorado River Basin continues to experience a protracted multi-year drought. Since 1999, inflow to Lake Powell has been below average in every year except water years 2005 and 2008.

In the summer of 1999, Lake Powell was close to full with reservoir storage at 23.5 million acre-feet, or 97 percent of capacity. During the next 5 years (2000 through 2004) unregulated inflow to Lake Powell was well below average. This resulted in Lake Powell storage decreasing during this period to 8.0 million acre-feet (33 percent of capacity) which occurred on April 8, 2005. During 2005 and 2008 drought conditions eased somewhat with net gains in storage to Lake Powell. As of May 1, 2009 the storage in Lake Powell was 12.9 million acre-feet (53 percent of capacity) which is well below desired levels. Reservoir storage in the Colorado River Basin continues to be below desired levels with the overall Colorado River system storage as of May 1, 2009 of 32.0 million acre-feet which is 54 percent of capacity.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION

WATER RESOURCES GROUP

ATTENTION UC-280

125 SOUTH STATE STREET, ROOM 6107

SALT LAKE CITY, UT 84138-5571

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

:			Obs	apr		Forecast		Outlook		
:	jan	feb	mar	apr	%Avg	may	jun	jul	apr-jul	%Avg
GLDA3:Lake Powell	329	329	468	772	78%:	2500/	2800/	1230/	7300/:	92%
GBRW4:Fontenelle	33	27	46	91	98%:	185/	300/	175/	750/:	87%
GRNU1:Flaming Gorge	40	37	62	127	81%:	230/	350/	180/	890/:	75%
BMDC2:Blue Mesa	26	24	40	104	139%:	235/	255/	95/	690/:	96%
MPSC2:Morrow Point	28	24	42	119	137%:	260/	275/	100/	755/:	96%
CLSC2:Crystal	31	28	47	131	129%:	295/	305/	115/	845/:	92%
TPIC2:Taylor Park	5.2	4.1	4.5	11.2	133%:	30/	43/	16/	100/:	97%
VCRC2:Vallecito	5.5	5.2	8.5	24	117%:	64/	62/	20/	170/:	83%
NVRN5:Navajo	22	27	76	126	74%:	280/	225/	60/	690/:	88%
LEMC2:Lemon	0.82	0.74	1.55	5.2	102%:	19/	16/	4.5/	45/:	78%
MPHC2:McPhee	3.6	3.7	13.6	59	99%:	127/	55/	18/	260/:	81%
RBSC2:Ridgway	4.8	4.4	5.6	12.9	129%:	/	/	/	90/:	88%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Fontenelle Reservoir

11-may-2009 13:17:08

	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 Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2008	132	1	64	1	65	6481.73	177
H Jun 2008	224	2	100	0	101	6499.83	298
I Jul 2008	173	3	104	34	138	6503.99	330
S Aug 2008	47	2	91	0	91	6497.83	283
T Sep 2008	36	2	63	0	63	6493.80	254
WY 2008	838	14	712	44	756		
O Oct 2008	43	1	65	0	65	6490.51	231
R Nov 2008	41	1	48	13	61	6487.43	211
I Dec 2008	30	1	26	35	60	6482.26	180
C Jan 2009	33	1	61	0	61	6476.93	151
A Feb 2009	27	0	53	0	53	6471.15	124
L Mar 2009	46	0	59	0	59	6467.98	111
* Apr 2009	91	1	57	0	57	6475.63	145
May 2009	185	1	81	0	81	6492.90	248
Jun 2009	300	2	103	141	244	6500.28	301
Jul 2009	175	3	101	31	131	6505.52	342
Aug 2009	79	2	93	0	93	6503.52	326
Sep 2009	48	2	59	10	69	6500.51	303
WY 2009	1097	15	804	229	1033		
Oct 2009	49	1	71	0	71	6497.36	279
Nov 2009	41	1	69	0	69	6493.31	251
Dec 2009	32	1	71	0	71	6487.37	211
Jan 2010	30	1	71	0	71	6480.42	169
Feb 2010	27	0	64	0	64	6472.90	132
Mar 2010	51	0	71	0	71	6468.25	112
Apr 2010	89	1	83	0	83	6469.50	117
May 2010	176	1	98	0	98	6484.59	193
Jun 2010	308	2	103	97	200	6500.01	299
Jul 2010	186	3	101	41	141	6505.41	341
Aug 2010	83	2	100	5	104	6502.37	317
Sep 2010	49	2	68	0	68	6499.66	296
WY 2010	1120	15	969	142	1111		
Oct 2010	49	1	70	0	70	6496.60	274
Nov 2010	41	1	68	0	68	6492.74	247
Dec 2010	32	1	70	0	70	6486.92	208
Jan 2011	30	1	70	0	70	6480.09	167
Feb 2011	27	0	64	0	64	6472.47	130
Mar 2011	51	0	70	0	70	6468.02	111
Apr 2011	89	1	83	0	83	6469.21	116

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
 Flaming Gorge Reservoir

11-may-2009 13:17:08

	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	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* May 2008	175	108	7	101	0	101	85	6021.85	3045	772	793
H Jun 2008	284	161	10	177	0	177	84	6021.15	3020	723	917
I Jul 2008	188	153	12	93	0	93	86	6022.43	3066	152	306
S Aug 2008	48	92	12	92	0	92	85	6022.11	3055	29	132
T Sep 2008	40	67	10	89	0	89	84	6021.25	3024	22	126
WY 2008	1018	937	75	893	10	903					3017
O Oct 2008	45	67	7	71	0	71	83	6020.97	3014	21	119
R Nov 2008	47	66	3	65	0	65	83	6020.91	3012	0	107
I Dec 2008	17	48	2	79	0	79	82	6020.01	2980	0	116
C Jan 2009	39	67	2	80	0	80	82	6019.63	2967	0	752
A Feb 2009	37	64	2	62	0	62	82	6019.63	2967	0	104
L Mar 2009	62	75	3	52	0	52	82	6020.18	2986	0	142
* Apr 2009	127	93	5	50	0	50	84	6021.21	3023	0	307
May 2009	230	126	7	88	0	88	85	6022.02	3052	0	88
Jun 2009	350	294	10	154	0	154	90	6025.44	3177	0	154
Jul 2009	180	136	13	87	0	87	91	6026.38	3211	0	87
Aug 2009	85	98	12	87	0	87	91	6026.36	3211	0	87
Sep 2009	55	76	11	84	0	84	91	6025.87	3192	0	84
WY 2009	1275	1211	77	958	0	958					2147
Oct 2009	59	82	7	87	0	87	90	6025.55	3180	0	87
Nov 2009	51	79	3	84	0	84	90	6025.33	3172	0	84
Dec 2009	37	76	2	87	0	87	89	6024.99	3160	0	87
Jan 2010	41	82	2	87	0	87	89	6024.82	3154	0	87
Feb 2010	45	82	2	79	0	79	89	6024.86	3155	0	79
Mar 2010	103	123	3	87	0	87	90	6025.71	3187	0	87
Apr 2010	142	136	5	84	0	84	92	6026.93	3232	0	84
May 2010	263	186	8	139	0	139	94	6027.92	3270	0	139
Jun 2010	400	292	10	181	0	181	98	6030.43	3366	0	181
Jul 2010	219	175	14	112	0	112	99	6031.64	3413	0	112
Aug 2010	97	118	13	112	0	112	99	6031.46	3406	0	112
Sep 2010	58	77	11	109	0	109	97	6030.41	3365	0	109
WY 2010	1516	1508	80	1248	0	1248					1248
Oct 2010	59	81	7	112	0	112	96	6029.44	3327	0	112
Nov 2010	51	78	3	109	0	109	95	6028.58	3294	0	109
Dec 2010	37	75	2	112	0	112	93	6027.58	3257	0	112
Jan 2011	41	81	2	112	0	112	92	6026.74	3225	0	112
Feb 2011	45	82	2	101	0	101	91	6026.19	3204	0	101
Mar 2011	103	122	3	112	0	112	91	6026.37	3211	0	112
Apr 2011	142	137	5	109	0	109	92	6026.96	3233	0	109

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Taylor Park Reservoir

11-may-2009 13:17:08

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2008	35	27	9310.30	70
H Jun 2008	65	40	9324.75	96
I Jul 2008	29	34	9322.03	91
S Aug 2008	12	23	9315.69	79
T Sep 2008	8	15	9311.36	72
WY 2008	184	190		
O Oct 2008	7	7	9311.31	72
R Nov 2008	5	5	9311.19	72
I Dec 2008	5	5	9311.34	72
C Jan 2009	5	5	9311.21	72
A Feb 2009	4	5	9310.95	71
L Mar 2009	4	5	9310.68	71
* Apr 2009	11	5	9314.31	77
May 2009	30	24	9317.85	83
Jun 2009	40	22	9327.62	101
Jul 2009	16	24	9323.53	94
Aug 2009	9	18	9318.43	84
Sep 2009	6	14	9314.08	77
WY 2009	143	138		
Oct 2009	6	8	9312.94	75
Nov 2009	5	6	9312.26	74
Dec 2009	4	6	9311.29	72
Jan 2010	4	6	9310.16	70
Feb 2010	4	6	9308.72	68
Mar 2010	4	6	9307.58	66
Apr 2010	8	8	9307.80	66
May 2010	27	18	9313.52	76
Jun 2010	43	20	9326.14	99
Jul 2010	20	22	9325.33	97
Aug 2010	10	22	9318.91	85
Sep 2010	7	15	9314.29	77
WY 2010	143	143		
Oct 2010	6	10	9311.94	73
Nov 2010	5	6	9311.25	72
Dec 2010	4	6	9310.27	70
Jan 2011	4	6	9309.12	69
Feb 2011	4	6	9307.65	66
Mar 2011	4	6	9306.50	64
Apr 2011	8	8	9306.71	65

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Blue Mesa Reservoir

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	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 elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2008	318	312	1	199	50	250	7475.27	472
H Jun 2008	409	383	1	143	20	163	7503.56	691
I Jul 2008	172	176	1	103	0	103	7511.87	762
S Aug 2008	70	82	1	119	0	119	7507.44	724
T Sep 2008	35	42	1	115	0	115	7498.61	650
WY 2008	1324	1329	8	1287	70	1357		
O Oct 2008	33	33	1	85	0	85	7492.14	598
R Nov 2008	27	28	0	33	0	33	7491.42	592
I Dec 2008	28	27	0	36	0	36	7490.25	583
C Jan 2009	26	27	0	39	0	39	7488.62	571
A Feb 2009	24	24	0	42	0	42	7486.19	552
L Mar 2009	40	40	0	49	0	49	7484.97	543
* Apr 2009	104	99	1	61	0	61	7489.84	580
May 2009	235	229	1	148	0	148	7499.84	660
Jun 2009	255	237	1	80	0	80	7517.82	815
Jul 2009	95	103	2	114	0	114	7516.40	802
Aug 2009	53	62	1	121	0	121	7509.62	743
Sep 2009	34	41	1	111	0	111	7501.27	672
WY 2009	953	950	9	919	0	919		
Oct 2009	35	37	1	76	0	76	7496.42	632
Nov 2009	31	32	0	46	0	46	7494.61	618
Dec 2009	25	27	0	63	0	63	7490.00	581
Jan 2010	24	26	0	73	0	73	7483.79	534
Feb 2010	22	24	0	62	0	62	7478.55	495
Mar 2010	34	36	0	63	0	63	7474.74	468
Apr 2010	73	73	1	64	0	64	7475.91	477
May 2010	212	203	1	69	0	69	7493.59	610
Jun 2010	271	248	1	69	0	69	7514.77	788
Jul 2010	121	122	2	106	0	106	7516.40	802
Aug 2010	62	74	1	122	0	122	7510.78	753
Sep 2010	36	44	1	113	0	113	7502.60	683
WY 2010	946	945	9	926	0	926		
Oct 2010	35	39	1	78	0	78	7497.80	643
Nov 2010	31	32	0	48	0	48	7495.75	627
Dec 2010	25	27	0	72	0	72	7490.00	581
Jan 2011	24	26	0	73	0	73	7483.79	534
Feb 2011	22	24	0	62	0	62	7478.55	495
Mar 2011	34	36	0	63	0	63	7474.74	468
Apr 2011	73	73	1	64	0	64	7475.92	477

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Morrow Point Reservoir

11-may-2009 13:17:08

	Unreg Inflow 1000 Ac-Ft	Blue_Mesa Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total 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 Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2008	343	250	25	275	0	255	24	278	7144.87	105
H Jun 2008	432	163	23	186	0	177	4	180	7152.31	111
I Jul 2008	178	103	6	109	0	108	0	108	7152.94	111
S Aug 2008	71	119	0	120	0	117	0	117	7156.16	114
T Sep 2008	35	115	0	115	0	115	0	115	7155.78	114
WY 2008	1358	1357	34	1392	1	1365	27	1392		
O Oct 2008	33	85	0	85	0	86	0	86	7153.95	112
R Nov 2008	29	33	2	35	0	35	0	35	7153.60	112
I Dec 2008	29	36	2	38	0	39	0	39	7152.11	111
C Jan 2009	28	39	1	40	0	43	0	43	7148.12	108
A Feb 2009	24	42	1	43	0	45	0	45	7145.98	106
L Mar 2009	42	49	2	51	0	43	6	49	7147.72	107
* Apr 2009	119	61	14	75	0	69	0	69	7155.78	114
May 2009	263	148	28	176	0	177	0	177	7153.73	112
Jun 2009	275	80	20	100	0	100	0	100	7153.73	112
Jul 2009	100	114	5	119	0	119	0	119	7153.73	112
Aug 2009	56	121	3	124	0	124	0	124	7153.73	112
Sep 2009	36	111	2	113	0	113	0	113	7153.73	112
WY 2009	1034	919	80	999	0	994	6	1000		
Oct 2009	38	76	3	79	0	79	0	79	7153.73	112
Nov 2009	33	46	2	48	0	48	0	48	7153.73	112
Dec 2009	27	63	2	65	0	65	0	65	7153.73	112
Jan 2010	26	73	2	75	0	75	0	75	7153.73	112
Feb 2010	25	62	3	65	0	65	0	65	7153.73	112
Mar 2010	38	63	4	67	0	67	0	67	7153.73	112
Apr 2010	84	64	11	75	0	75	0	75	7153.73	112
May 2010	237	69	25	94	0	94	0	94	7153.73	112
Jun 2010	292	69	21	90	0	90	0	90	7153.73	112
Jul 2010	127	106	7	113	0	113	0	113	7153.73	112
Aug 2010	65	122	4	126	0	126	0	126	7153.73	112
Sep 2010	39	113	3	116	0	116	0	116	7153.73	112
WY 2010	1032	926	86	1012	0	1012	0	1012		
Oct 2010	38	78	3	81	0	81	0	81	7153.73	112
Nov 2010	33	48	2	50	0	50	0	50	7153.73	112
Dec 2010	27	72	2	74	0	74	0	74	7153.73	112
Jan 2011	26	73	2	75	0	75	0	75	7153.73	112
Feb 2011	25	62	3	65	0	65	0	65	7153.73	112
Mar 2011	38	63	4	67	0	67	0	67	7153.73	112
Apr 2011	84	64	11	75	0	75	0	75	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Crystal Reservoir

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	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 Elevation EOM Feet	Live Storage 1000 Ac-Ft	Tunnel Flow 1000 Ac-Ft	Below_tunnel Flow 1000 Ac-Ft
* May 2008	388	278	45	323	130	191	321	6760.22	19	54	279
H Jun 2008	484	180	52	232	118	116	234	6753.95	17	47	201
I Jul 2008	191	108	13	121	123	0	123	6747.80	15	62	73
S Aug 2008	75	117	5	122	123	0	123	6742.41	14	66	66
T Sep 2008	38	115	3	118	118	0	118	6741.71	14	61	63
WY 2008	1520	1392	162	1554	1164	392	1555			356	1283
O Oct 2008	36	86	3	89	89	0	89	6744.34	15	55	45
R Nov 2008	33	35	4	38	39	0	39	6742.20	14	1	40
I Dec 2008	32	39	3	42	42	0	42	6742.53	14	1	43
C Jan 2009	31	43	4	47	38	9	47	6741.02	14	1	49
A Feb 2009	28	45	3	48	24	20	45	6752.05	17	1	46
L Mar 2009	47	49	5	55	55	0	55	6751.30	16	9	47
* Apr 2009	130	69	12	81	80	0	80	6752.70	17	35	48
May 2009	295	177	32	210	134	75	209	6753.04	17	55	154
Jun 2009	305	100	30	130	130	0	130	6753.04	17	60	70
Jul 2009	115	119	15	134	134	0	134	6753.04	17	65	69
Aug 2009	64	124	8	132	132	0	132	6753.04	17	65	67
Sep 2009	42	113	6	120	120	0	120	6753.04	17	55	65
WY 2009	1158	1000	125	1125	1017	105	1122			401	743
Oct 2009	44	79	7	85	85	0	85	6753.04	17	30	55
Nov 2009	38	48	5	53	53	0	53	6753.04	17	0	53
Dec 2009	32	65	5	70	70	0	70	6753.04	17	0	70
Jan 2010	31	75	5	80	80	0	80	6753.04	17	0	80
Feb 2010	29	65	4	69	69	0	69	6753.04	17	0	69
Mar 2010	46	67	7	74	74	0	74	6753.04	17	5	69
Apr 2010	96	75	12	87	87	0	87	6753.04	17	30	57
May 2010	272	94	35	129	129	0	129	6753.04	17	55	74
Jun 2010	330	90	38	128	128	0	128	6753.04	17	60	68
Jul 2010	144	113	17	130	130	0	130	6753.04	17	65	65
Aug 2010	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2010	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2010	1183	1012	151	1163	1163	0	1163			365	798
Oct 2010	44	81	7	87	87	0	87	6753.04	17	30	57
Nov 2010	38	50	5	55	55	0	55	6753.04	17	0	55
Dec 2010	32	74	5	79	79	0	79	6753.04	17	0	79
Jan 2011	31	75	5	80	80	0	80	6753.04	17	0	80
Feb 2011	29	65	4	69	69	0	69	6753.04	17	0	69
Mar 2011	46	67	7	74	74	0	74	6753.04	17	5	69
Apr 2011	96	75	12	87	87	0	87	6753.04	17	30	57

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Vallecito Reservoir

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	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2008	79	39	7647.76	82
H Jun 2008	84	43	7663.79	122
I Jul 2008	32	39	7660.68	114
S Aug 2008	15	38	7651.24	90
T Sep 2008	11	31	7642.57	70
WY 2008	309	319		
O Oct 2008	9	14	7640.18	65
R Nov 2008	5	2	7641.75	68
I Dec 2008	5	2	7643.06	71
C Jan 2009	5	2	7644.39	74
A Feb 2009	5	2	7645.61	77
L Mar 2009	8	4	7647.33	81
* Apr 2009	22	10	7652.11	92
May 2009	64	37	7662.47	119
Jun 2009	62	57	7664.12	123
Jul 2009	20	43	7655.07	99
Aug 2009	15	42	7643.40	72
Sep 2009	15	32	7635.25	55
WY 2009	236	248		
Oct 2009	13	20	7631.13	47
Nov 2009	8	8	7631.20	47
Dec 2009	6	3	7632.73	50
Jan 2010	5	3	7633.79	52
Feb 2010	5	3	7634.68	53
Mar 2010	8	3	7637.10	58
Apr 2010	22	12	7641.72	68
May 2010	69	38	7655.09	99
Jun 2010	78	54	7664.11	123
Jul 2010	31	43	7659.30	110
Aug 2010	19	42	7650.01	87
Sep 2010	17	32	7643.48	72
WY 2010	281	261		
Oct 2010	13	19	7640.60	66
Nov 2010	8	7	7641.12	67
Dec 2010	6	5	7641.53	68
Jan 2011	5	5	7641.76	68
Feb 2011	5	4	7641.90	68
Mar 2011	8	5	7643.39	72
Apr 2011	22	13	7647.22	80

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Navajo Reservoir

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	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 Elevation EOM Feet	Live Storage 1000 Ac-Ft	Farm Flow 1000 Ac-Ft
* May 2008	337	45	254	4	31	159	6065.54	1420	303
H Jun 2008	310	49	217	4	39	224	6061.77	1370	411
I Jul 2008	82	14	74	4	40	32	6061.63	1369	103
S Aug 2008	31	3	52	4	36	40	6059.46	1341	58
T Sep 2008	31	2	48	3	22	45	6057.74	1319	57
WY 2008	1355	146	1219	28	206	1185			1887
O Oct 2008	28	0	34	2	11	32	6056.83	1308	45
R Nov 2008	21	0	17	1	0	30	6055.68	1294	47
I Dec 2008	19	0	16	1	0	31	6054.38	1278	48
C Jan 2009	22	0	19	1	1	31	6053.29	1265	54
A Feb 2009	27	1	24	1	0	28	6052.85	1259	49
L Mar 2009	76	6	65	2	5	31	6055.13	1287	0
* Apr 2009	125	19	97	2	19	30	6058.76	1332	67
May 2009	280	34	219	4	26	90	6066.44	1432	90
Jun 2009	225	27	193	4	40	140	6067.09	1441	140
Jul 2009	60	2	81	5	42	31	6067.37	1445	31
Aug 2009	38	3	63	4	35	31	6066.85	1437	31
Sep 2009	40	1	55	3	20	30	6067.05	1440	30
WY 2009	961	94	882	28	199	535			631
Oct 2009	38	2	44	2	7	31	6067.36	1444	31
Nov 2009	33	0	32	1	0	30	6067.48	1446	30
Dec 2009	24	0	21	1	0	31	6066.71	1436	31
Jan 2010	22	0	20	1	0	31	6065.84	1424	31
Feb 2010	30	0	28	1	0	28	6065.81	1423	28
Mar 2010	88	2	82	2	4	61	6066.87	1438	61
Apr 2010	174	16	148	3	16	60	6071.91	1507	60
May 2010	279	33	214	4	28	200	6070.57	1488	200
Jun 2010	246	29	193	4	43	212	6065.66	1422	212
Jul 2010	74	7	79	5	46	31	6065.50	1419	31
Aug 2010	43	3	63	4	39	31	6064.77	1410	31
Sep 2010	42	1	56	3	22	30	6064.88	1411	30
WY 2010	1094	93	980	29	205	775			775
Oct 2010	38	0	44	2	7	31	6065.20	1415	31
Nov 2010	33	0	32	1	1	30	6065.18	1415	30
Dec 2010	24	0	23	1	1	31	6064.46	1406	31
Jan 2011	22	0	21	1	0	31	6063.69	1395	31
Feb 2011	30	0	30	1	0	28	6063.77	1396	28
Mar 2011	88	2	83	2	4	31	6067.26	1443	31
Apr 2011	174	16	149	3	16	34	6074.16	1539	34

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Lake Powell

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	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 Elevation EOM Feet	Bank Storage 1000 Ac-Ft	EOM Storage 1000 Ac-Ft	Lees Ferry 1000 Ac-Ft
* May 2008	2623	2365	27	790	0	790	3610.81	16689	12812	807
H Jun 2008	3566	3330	49	791	0	791	3631.05	17020	14971	810
I Jul 2008	1709	1430	63	865	0	865	3633.00	17301	15192	887
S Aug 2008	489	596	62	890	0	890	3629.55	17334	14803	914
T Sep 2008	390	555	56	723	0	723	3626.90	17404	14509	738
WY 2008	12325	12398	396	8885	93	8978				9164
O Oct 2008	382	498	38	749	0	749	3623.82	17451	14172	762
R Nov 2008	418	455	36	603	0	603	3621.90	17473	13966	612
I Dec 2008	311	385	28	801	0	801	3617.89	17454	13541	818
C Jan 2009	329	394	9	802	0	802	3614.17	17423	13155	822
A Feb 2009	330	383	9	602	0	602	3612.05	17412	12938	612
L Mar 2009	467	442	16	626	0	626	3610.43	17377	12774	632
* Apr 2009	782	663	25	604	0	604	3611.26	17327	12858	612
May 2009	2500	2142	38	600	0	600	3624.54	17439	14250	600
Jun 2009	2800	2411	46	625	0	625	3638.79	17567	15861	625
Jul 2009	1230	1171	55	815	0	815	3641.15	17590	16139	815
Aug 2009	534	635	57	809	0	809	3639.34	17573	15926	809
Sep 2009	446	564	49	595	0	595	3638.71	17567	15852	595
WY 2009	10529	10141	406	8230	0	8230				8313
Oct 2009	506	577	44	615	0	615	3638.06	17561	15776	615
Nov 2009	523	569	36	600	0	600	3637.53	17556	15713	600
Dec 2009	418	512	30	800	0	800	3634.99	17532	15419	800
Jan 2010	384	489	23	900	0	900	3631.46	17500	15017	900
Feb 2010	395	466	21	825	0	825	3628.32	17472	14665	825
Mar 2010	628	619	26	825	0	825	3626.38	17455	14451	825
Apr 2010	952	803	29	950	0	950	3624.89	17442	14288	950
May 2010	2161	1876	40	1012	0	1012	3631.76	17503	15051	1012
Jun 2010	2808	2426	48	1178	0	1178	3641.35	17592	16163	1178
Jul 2010	1345	1233	55	1175	0	1175	3641.37	17592	16165	1175
Aug 2010	566	671	56	1125	0	1125	3637.36	17554	15693	1125
Sep 2010	459	597	48	595	0	595	3636.99	17550	15650	595
WY 2010	11147	10838	456	10600	0	10600				10600
Oct 2010	506	602	44	615	0	615	3636.54	17546	15598	615
Nov 2010	523	596	36	600	0	600	3636.22	17543	15561	600
Dec 2010	418	548	30	800	0	800	3633.95	17522	15299	800
Jan 2011	384	514	22	800	0	800	3631.43	17500	15013	800
Feb 2011	395	489	21	700	0	700	3629.52	17482	14799	700
Mar 2011	628	614	26	700	0	700	3628.58	17474	14695	700
Apr 2011	952	802	29	800	0	800	3628.35	17472	14669	800

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Hoover Dam - Lake Mead

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	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	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* May 2008	790	49	49	1113	18.1	30	1110	789	1107.05	12132
H Jun 2008	791	44	59	949	15.9	30	949	776	1104.98	11941
I Jul 2008	865	63	73	876	14.2	33	874	773	1104.42	11890
S Aug 2008	890	95	78	804	13.1	34	789	777	1105.13	11955
T Sep 2008	723	77	64	652	11.0	22	642	781	1105.76	12013
WY 2008	8978	912	606	9531		278	9468			
O Oct 2008	749	47	47	508	8.3	26	498	794	1107.94	12213
R Nov 2008	603	74	47	675	11.3	15	659	790	1107.33	12157
I Dec 2008	801	62	41	453	7.4	8	432	812	1110.97	12496
C Jan 2009	802	63	34	741	12.1	9	739	817	1111.78	12572
A Feb 2009	602	82	31	679	12.2	9	669	815	1111.43	12539
L Mar 2009	626	62	34	1037	16.9	17	1035	791	1107.40	12164
* Apr 2009	604	37	42	1174	19.7	21	1168	754	1101.26	11604
May 2009	600	70	47	1006	16.4	36	1006	729	1096.85	11210
Jun 2009	625	24	56	909	15.3	33	909	707	1093.10	10883
Jul 2009	815	61	69	886	14.4	35	886	700	1091.87	10775
Aug 2009	809	110	73	793	12.9	36	793	701	1092.04	10790
Sep 2009	595	78	60	593	10.0	31	593	701	1091.91	10780
WY 2009	8230	770	583	9455		276	9387			
Oct 2009	615	73	44	490	8.0	40	490	708	1093.14	10886
Nov 2009	600	73	44	561	9.4	29	561	710	1093.56	10922
Dec 2009	800	65	38	581	9.5	23	581	723	1095.94	11130
Jan 2010	900	131	32	677	11.0	19	677	742	1099.15	11415
Feb 2010	825	134	30	667	12.0	18	667	757	1101.71	11645
Mar 2010	825	96	33	1013	16.5	25	1013	748	1100.14	11503
Apr 2010	950	75	41	1136	19.1	23	1136	737	1098.30	11339
May 2010	1012	70	47	1009	16.4	32	1009	737	1098.23	11333
Jun 2010	1178	24	57	902	15.2	30	902	750	1100.47	11533
Jul 2010	1175	61	72	902	14.7	32	902	764	1102.87	11749
Aug 2010	1125	110	78	811	13.2	33	811	783	1106.10	12044
Sep 2010	595	78	64	679	11.4	28	679	777	1105.10	11952
WY 2010	10600	990	581	9429		331	9429			
Oct 2010	615	73	47	454	7.4	36	454	786	1106.64	12094
Nov 2010	600	73	47	515	8.7	25	515	791	1107.51	12174
Dec 2010	800	65	41	531	8.6	20	531	808	1110.26	12431
Jan 2011	800	131	34	677	11.0	19	677	820	1112.28	12620
Feb 2011	700	134	31	660	11.9	18	660	828	1113.52	12737
Mar 2011	700	96	35	1014	16.5	25	1014	811	1110.75	12476
Apr 2011	800	75	43	1134	19.1	23	1134	791	1107.47	12171

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
 Davis Dam - Lake Mohave

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	Hoover Release 1000 Ac-Ft	Side inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Spill Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* May 2008	1113	-45	993	0	993	16.2	643.95	1725
H Jun 2008	949	-34	932	0	932	15.7	643.36	1709
I Jul 2008	876	-23	896	0	896	14.6	641.79	1666
S Aug 2008	804	-26	798	0	798	13.0	641.06	1646
T Sep 2008	652	-15	698	0	698	11.7	638.80	1585
WY 2008	9531	-285	9205	0	9205			
O Oct 2008	508	-18	632	0	632	10.3	633.37	1444
R Nov 2008	675	-23	603	0	603	10.1	635.28	1493
I Dec 2008	453	-23	339	0	339	5.5	638.77	1585
C Jan 2009	741	-25	655	0	655	10.6	641.08	1647
A Feb 2009	679	-18	629	0	629	11.3	642.29	1679
L Mar 2009	1037	-27	1035	0	1035	16.8	641.38	1655
* Apr 2009	1174	-30	1097	0	1097	18.4	643.11	1702
May 2009	1006	-35	974	0	974	15.8	643.00	1699
Jun 2009	909	-27	882	0	882	14.8	643.00	1699
Jul 2009	886	-23	903	0	903	14.7	641.50	1658
Aug 2009	793	-25	768	0	768	12.5	641.50	1658
Sep 2009	593	-17	669	0	669	11.3	638.00	1564
WY 2009	9455	-291	9184	0	9184			
Oct 2009	490	-4	616	0	616	10.0	633.00	1434
Nov 2009	561	-18	518	0	518	8.7	634.00	1460
Dec 2009	581	-20	438	0	438	7.1	638.71	1583
Jan 2010	677	-22	572	0	572	9.3	641.80	1666
Feb 2010	667	-15	652	0	652	11.7	641.80	1666
Mar 2010	1013	-26	953	0	953	15.5	643.05	1700
Apr 2010	1136	-28	1109	0	1109	18.6	643.00	1699
May 2010	1009	-35	974	0	974	15.8	643.00	1699
Jun 2010	902	-27	902	0	902	15.2	642.00	1671
Jul 2010	902	-23	892	0	892	14.5	641.50	1658
Aug 2010	811	-25	786	0	786	12.8	641.50	1658
Sep 2010	679	-17	756	0	756	12.7	638.00	1564
WY 2010	9429	-260	9168	0	9168			
Oct 2010	454	-4	579	0	579	9.4	633.00	1434
Nov 2010	515	-18	471	0	471	7.9	634.00	1460
Dec 2010	531	-20	389	0	389	6.3	638.71	1583
Jan 2011	677	-22	571	0	571	9.3	641.80	1666
Feb 2011	660	-15	646	0	646	11.6	641.80	1666
Mar 2011	1014	-26	953	0	953	15.5	643.05	1700
Apr 2011	1134	-28	1108	0	1108	18.6	643.00	1699

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
 Parker Dam - Lake Havasu

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	Davis Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	MWD Diversion 1000 Ac-Ft	CAP diversion 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft	Flow_to Mexico 1000 Ac-Ft	Flow_to Mexico 1000 CFS
* May 2008	993	-11	684	11.1	97	172	448.84	596	113	1.8
H Jun 2008	932	-25	691	11.6	94	126	448.62	592	115	1.9
I Jul 2008	896	-18	728	11.8	87	78	447.86	577	122	2.0
S Aug 2008	798	-2	635	10.3	82	65	448.54	590	109	1.8
T Sep 2008	698	-10	519	8.7	82	94	448.19	584	99	1.7
WY 2008	9205	-80	6692		803	1622			1560	
O Oct 2008	632	3	452	7.4	77	136	446.55	553	84	1.4
R Nov 2008	603	16	379	6.4	53	168	447.54	571	118	2.0
I Dec 2008	339	15	236	3.8	67	65	446.81	558	139	2.3
C Jan 2009	655	-7	379	6.2	99	171	446.67	555	121	2.0
A Feb 2009	629	2	397	7.2	82	162	446.08	544	162	2.9
L Mar 2009	1035	-7	736	12.0	99	180	446.75	557	209	3.4
* Apr 2009	1097	-5	784	13.2	98	172	448.75	595	206	3.5
May 2009	974	-16	688	11.2	99	171	448.71	594	113	1.8
Jun 2009	882	-26	668	11.2	96	96	448.50	589	112	1.9
Jul 2009	903	-18	728	11.8	99	68	448.00	580	119	1.9
Aug 2009	768	-11	622	10.1	95	50	447.50	571	93	1.5
Sep 2009	669	-12	545	9.2	27	98	446.81	557	89	1.5
WY 2009	9184	-65	6615		992	1539			1565	
Oct 2009	616	6	454	7.4	22	154	446.31	548	74	1.2
Nov 2009	518	13	364	6.1	61	102	446.50	552	103	1.7
Dec 2009	438	11	296	4.8	62	91	446.50	552	116	1.9
Jan 2010	572	25	345	5.6	83	168	446.50	552	119	1.9
Feb 2010	652	28	452	8.1	76	152	446.50	552	154	2.8
Mar 2010	953	30	727	11.8	84	168	446.70	555	204	3.3
Apr 2010	1109	-6	821	13.8	81	163	448.71	594	199	3.3
May 2010	974	-16	705	11.5	84	169	448.71	594	111	1.8
Jun 2010	902	-26	672	11.3	81	123	448.71	594	116	1.9
Jul 2010	892	-18	728	11.8	83	77	448.00	580	119	1.9
Aug 2010	786	-11	622	10.1	83	79	447.50	571	93	1.5
Sep 2010	756	-12	545	9.2	61	151	446.81	557	89	1.5
WY 2010	9168	24	6733		863	1597			1497	
Oct 2010	579	6	454	7.4	24	116	446.31	548	74	1.2
Nov 2010	471	13	365	6.1	24	92	446.50	552	103	1.7
Dec 2010	389	11	300	4.9	24	75	446.50	552	118	1.9
Jan 2011	571	25	344	5.6	84	168	446.50	552	119	1.9
Feb 2011	646	28	446	8.0	75	152	446.50	552	149	2.7
Mar 2011	953	30	727	11.8	84	169	446.70	555	206	3.4
Apr 2011	1108	-6	818	13.8	81	164	448.71	594	200	3.4

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Hoover Dam - Lake Mead

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Hoover Static Head Feet	Hoover Generator Capacity MW	Hoover Gross Energy MKWH	Percent Of Units Available	KWH/AF
* May 2008	1113	18.1	1107.05	12132	-331	0.00	1482.0	445.7	87	400.5
H Jun 2008	949	15.9	1104.98	11941	-190	0.00	1694.0	371.6	100	391.7
I Jul 2008	876	14.2	1104.42	11890	-51	0.00	1672.0	344.2	100	392.8
S Aug 2008	804	13.1	1105.13	11955	65	0.00	1678.0	316.2	100	393.1
T Sep 2008	652	11.0	1105.76	12013	58	0.00	1677.0	252.9	100	387.9
WY 2008	9530							3790.6		
O Oct 2008	508	8.3	1107.94	12213	201	0.00	1038.0	188.5	61	370.8
R Nov 2008	675	11.3	1107.33	12157	-56	0.00	926.0	263.1	55	389.9
I Dec 2008	453	7.4	1110.97	12496	339	0.00	1523.0	171.3	88	377.7
C Jan 2009	741	12.1	1111.78	12572	76	0.00	1305.0	299.0	75	403.3
A Feb 2009	679	12.2	1111.43	12539	-33	0.00	1415.0	263.8	81	388.5
L Mar 2009	1037	16.9	1107.40	12164	-376	0.00	950.0	415.9	55	401.2
* Apr 2009	1174	19.7	1101.26	11604	-560	0.00	1284.0	474.0	76	403.7
May 2009	1006	16.4	1096.85	11210	-394	446.97	1411.0	403.9	85	401.6
Jun 2009	909	15.3	1093.10	10883	-328	441.37	1634.0	360.7	100	396.9
Jul 2009	886	14.4	1091.87	10775	-107	439.39	1625.0	354.9	100	400.7
Aug 2009	793	12.9	1092.04	10790	15	439.35	1626.0	314.0	100	395.8
Sep 2009	593	10.0	1091.91	10780	-11	440.51	1626.0	231.2	100	390.1
WY 2009	9455							3740.4		
Oct 2009	490	8.0	1093.14	10886	107	446.48	1135.0	195.5	70	399.0
Nov 2009	561	9.4	1093.56	10922	36	447.64	1333.0	221.7	81	394.9
Dec 2009	581	9.5	1095.94	11130	208	446.86	1440.0	228.7	87	393.6
Jan 2010	677	11.0	1099.15	11415	285	448.31	1269.0	270.1	76	398.8
Feb 2010	667	12.0	1101.71	11645	230	449.45	1391.0	268.7	83	403.1
Mar 2010	1013	16.5	1100.14	11503	-141	449.64	1366.0	410.9	82	405.5
Apr 2010	1136	19.1	1098.30	11339	-164	447.55	1357.0	468.5	82	412.5
May 2010	1009	16.4	1098.23	11333	-6	445.29	1561.0	401.6	94	398.0
Jun 2010	902	15.2	1100.47	11533	200	446.04	1673.0	361.2	100	400.4
Jul 2010	902	14.7	1102.87	11749	216	448.83	1687.0	361.6	100	400.9
Aug 2010	811	13.2	1106.10	12044	295	451.79	1706.0	330.1	100	407.0
Sep 2010	679	11.4	1105.10	11952	-92	454.03	1700.0	272.4	100	401.2
WY 2010	9429							3791.0		
Oct 2010	454	7.4	1106.64	12094	142	459.76	1181.6	183.4	70	404.3
Nov 2010	515	8.7	1107.51	12174	80	461.29	1385.1	205.7	81	399.4
Dec 2010	531	8.6	1110.26	12431	256	460.92	1482.7	211.6	87	398.2
Jan 2011	677	11.0	1112.28	12620	189	461.97	1291.8	276.9	76	409.2
Feb 2011	660	11.9	1113.52	12737	117	461.85	1405.0	272.3	83	412.3
Mar 2011	1014	16.5	1110.75	12476	-261	460.78	1388.9	420.4	82	414.7
Apr 2011	1134	19.1	1107.47	12171	-305	457.39	1388.0	477.4	82	420.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
 Davis Dam - Lake Mohave

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Davis Static Head Feet	Davis Generator Capacity MW	Davis Gross Energy MKWH	Percent Of Units Available	KWH/AF
* May 2008	993	16.2	643.95	1725	75	0.00	255.0	123.5	100	124.4
H Jun 2008	932	15.7	643.36	1709	-16	0.00	255.0	117.8	100	126.5
I Jul 2008	896	14.6	641.79	1666	-43	0.00	255.0	111.7	100	124.6
S Aug 2008	798	13.0	641.06	1646	-20	0.00	255.0	98.5	100	123.4
T Sep 2008	698	11.7	638.80	1585	-61	0.00	255.0	86.5	100	123.9
WY 2008	9205							1137.7		
O Oct 2008	632	10.3	633.37	1444	-141	0.00	211.7	74.9	83	118.6
R Nov 2008	603	10.1	635.28	1493	49	0.00	186.2	71.8	73	119.1
I Dec 2008	339	5.5	638.77	1585	91	0.00	163.2	42.1	64	124.2
C Jan 2009	655	10.6	641.08	1647	62	0.00	155.6	80.8	61	123.4
A Feb 2009	629	11.3	642.29	1679	33	0.00	193.8	79.3	76	126.1
L Mar 2009	1035	16.8	641.38	1655	-25	0.00	255.0	121.2	100	117.1
* Apr 2009	1097	18.4	643.11	1702	47	0.00	255.0	135.7	100	123.7
May 2009	974	15.8	643.00	1699	-3	136.10	255.0	121.8	100	125.1
Jun 2009	882	14.8	643.00	1699	0	136.04	255.0	110.5	100	125.3
Jul 2009	903	14.7	641.50	1658	-41	135.25	255.0	112.7	100	124.7
Aug 2009	768	12.5	641.50	1658	0	134.46	255.0	95.9	100	124.7
Sep 2009	669	11.3	638.00	1564	-94	132.63	255.0	82.7	100	123.6
WY 2009	9184							1129.3		
Oct 2009	616	10.0	633.00	1434	-130	129.25	216.8	74.0	85	120.2
Nov 2009	518	8.7	634.00	1460	26	128.21	183.6	61.6	72	118.9
Dec 2009	438	7.1	638.71	1583	123	131.03	188.7	53.5	74	122.1
Jan 2010	572	9.3	641.80	1666	83	135.19	186.2	71.4	73	124.8
Feb 2010	652	11.7	641.80	1666	0	136.23	204.0	81.7	80	125.3
Mar 2010	953	15.5	643.05	1700	34	135.64	247.3	118.7	97	124.6
Apr 2010	1109	18.6	643.00	1699	-2	136.07	255.0	137.8	100	124.2
May 2010	974	15.8	643.00	1699	0	136.04	255.0	121.8	100	125.0
Jun 2010	902	15.2	642.00	1671	-27	135.51	255.0	112.6	100	124.8
Jul 2010	892	14.5	641.50	1658	-14	134.73	255.0	110.9	100	124.3
Aug 2010	786	12.8	641.50	1658	0	134.46	255.0	98.0	100	124.6
Sep 2010	756	12.7	638.00	1564	-94	132.63	255.0	93.0	100	123.1
WY 2010	9168							1135.0		
Oct 2010	579	9.4	633.00	1434	-130	128.65	237.2	69.8	93	120.5
Nov 2010	471	7.9	634.00	1460	26	126.61	234.6	56.2	92	119.2
Dec 2010	389	6.3	638.71	1583	123	129.47	239.7	47.6	94	122.5
Jan 2011	571	9.3	641.80	1666	83	134.16	219.3	71.3	86	124.8
Feb 2011	646	11.6	641.80	1666	0	135.05	244.8	80.9	96	125.3
Mar 2011	953	15.5	643.05	1700	34	135.44	255.0	118.8	100	124.6
Apr 2011	1108	18.6	643.00	1699	-2	136.07	255.0	137.6	100	124.2

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
 Parker Dam - Lake Havasu

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Parker Static Head Feet	Parker Generator Capacity MW	Parker Gross Energy MKWH	Percent Of Units Available	KWH/AF
* May 2008	684	11.1	448.84	596	30	0.00	90.0	46.4	75	67.9
H Jun 2008	691	11.6	448.62	592	-4	0.00	90.0	47.3	75	68.4
I Jul 2008	728	11.8	447.86	577	-14	0.00	90.0	48.9	75	67.3
S Aug 2008	635	10.3	448.54	590	13	0.00	105.6	41.9	88	66.0
T Sep 2008	519	8.7	448.19	584	-7	0.00	91.2	38.6	76	74.3
WY 2008	6692							453.4		
O Oct 2008	452	7.4	446.55	553	-31	0.00	90.0	31.2	75	68.9
R Nov 2008	379	6.4	447.54	571	18	0.00	90.0	26.2	75	69.1
I Dec 2008	236	3.8	446.81	558	-14	0.00	85.2	15.3	71	64.7
C Jan 2009	379	6.2	446.67	555	-3	0.00	78.0	25.9	65	68.2
A Feb 2009	397	7.2	446.08	544	-11	0.00	90.0	27.2	75	68.5
L Mar 2009	736	12.0	446.75	556	12	0.00	87.6	49.2	73	66.8
* Apr 2009	784	13.2	448.75	595	38	0.00	111.6	53.8	93	68.6
May 2009	688	11.2	448.71	594	-1	76.08	120.0	45.7	100	66.5
Jun 2009	668	11.2	448.50	589	-4	75.96	120.0	44.3	100	66.4
Jul 2009	728	11.8	448.00	580	-9	75.61	120.0	48.2	100	66.2
Aug 2009	622	10.1	447.50	571	-10	75.13	120.0	40.8	100	65.5
Sep 2009	545	9.2	446.81	557	-13	75.95	90.0	36.1	75	66.2
WY 2009	6615							443.8		
Oct 2009	454	7.4	446.31	548	-9	75.37	90.0	29.6	75	65.2
Nov 2009	364	6.1	446.50	552	3	76.73	64.8	24.0	54	66.0
Dec 2009	296	4.8	446.50	552	0	75.32	90.0	18.8	75	63.5
Jan 2010	345	5.6	446.50	552	0	76.35	72.0	22.5	60	65.2
Feb 2010	452	8.1	446.50	552	0	75.38	88.8	29.6	74	65.5
Mar 2010	727	11.8	446.70	555	4	74.01	120.0	47.3	100	65.0
Apr 2010	821	13.8	448.71	594	38	75.09	120.0	54.2	100	66.1
May 2010	705	11.5	448.71	594	0	76.06	120.0	46.9	100	66.5
Jun 2010	672	11.3	448.71	594	0	76.06	120.0	44.6	100	66.5
Jul 2010	728	11.8	448.00	580	-14	75.72	120.0	48.3	100	66.3
Aug 2010	622	10.1	447.50	571	-10	75.13	120.0	40.8	100	65.5
Sep 2010	545	9.2	446.81	557	-13	74.55	120.0	35.4	100	64.9
WY 2010	6733							442.1		
Oct 2010	454	7.4	446.31	548	-9	73.97	120.0	29.0	100	63.9
Nov 2010	365	6.1	446.50	552	3	74.98	94.8	23.5	79	64.3
Dec 2010	300	4.9	446.50	552	0	73.92	120.0	18.8	100	62.5
Jan 2011	344	5.6	446.50	552	0	74.71	102.0	21.9	85	63.7
Feb 2011	446	8.0	446.50	552	0	74.60	104.4	28.9	87	64.7
Mar 2011	727	11.8	446.70	555	4	74.01	120.0	47.3	100	65.0
Apr 2011	818	13.8	448.71	594	38	75.09	120.0	54.1	100	66.1

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2009 Most Prob Water Supply  
Upper Basin Power

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	Glen Canyon 1000 MWHR	Flam Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Res 1000 MWHR	Font Res 1000 MWHR
* May 2008	333	39	52	92	23	4
H Jun 2008	348	68	40	63	22	7
I Jul 2008	390	36	31	39	23	9
S Aug 2008	400	36	36	42	22	8
T Sep 2008	323	34	34	41	21	5
Summer 2008	1795	212	194	276	111	33
O Oct 2008	334	27	25	30	17	5
R Nov 2008	267	25	9	12	6	4
I Dec 2008	355	30	10	14	7	2
C Jan 2009	352	31	11	15	6	4
A Feb 2009	262	24	12	15	4	3
L Mar 2009	271	20	14	15	10	3
Winter 2009	1840	156	81	101	50	21
* Apr 2009	260	19	17	24	16	3
May 2009	246	32	44	64	23	6
Jun 2009	263	56	25	36	22	9
Jul 2009	348	32	36	43	23	10
Aug 2009	346	32	38	45	23	9
Sep 2009	254	31	34	41	21	6
Summer 2009	1717	201	194	253	128	43
Oct 2009	262	32	23	28	15	6
Nov 2009	255	31	14	17	9	6
Dec 2009	339	32	19	23	12	6
Jan 2010	379	32	21	27	14	6
Feb 2010	346	29	18	24	12	5
Mar 2010	344	32	18	24	13	5
Winter 2010	1925	186	112	144	75	33
Apr 2010	395	31	18	27	15	5
May 2010	423	51	20	34	22	7
Jun 2010	500	67	21	32	22	9
Jul 2010	503	41	33	41	22	10
Aug 2010	480	41	38	45	23	10
Sep 2010	253	40	35	42	21	6
Summer 2010	2552	271	165	221	126	47
Oct 2010	261	41	24	29	15	6
Nov 2010	254	40	14	18	10	6
Dec 2010	338	41	21	27	14	6
Jan 2011	337	41	21	27	14	5
Feb 2011	293	37	18	24	12	5
Mar 2011	293	41	18	24	13	5
Winter 2011	1777	241	116	149	77	33
Apr 2011	334	40	18	27	15	5

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FLOOD CONTROL CRITERIA  
 BEGINNING OF MONTH CONDITIONS

MON	YEAR	FLAMING GORGE KAF	BLUE MESA KAF	NAVAJO KAF	LAKE POWELL KAF	UPPER BASIN TOTAL KAF	LAKE MEAD KAF	TOTAL KAF	FLAMING GORGE KAF	BLUE MESA KAF	NAVAJO KAF	TOT OR MAX ALLOW KAF	LAKE POWELL KAF	LAKE MEAD KAF	TOTAL KAF	BOM SPACE REQD KAF	MEAD SCHED REL KAF	MEAD FC REL KAF	SYS CONT MAF	
		* * * * P R E D I C T E D S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
MAY	2009	927	249	364	11462	13002	15776	28778	431	243	232	906	11462	15776	28144	1500	1006	0	33.4	
JUN	2009	795	169	264	10070	11298	16170	27467	289	156	103	547	10070	16170	26787	1500	909	0	35.0	
JUL	2009	616	14	255	8459	9345	16497	25842	93	-19	50	124	8459	16497	25080	1500	886	0	35.2	
		* * * * C R E D I T A B L E S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
AUG	2009	541	27	251	8181	9000	16605	25604	541	27	251	819	8181	16605	25604	1500	793	0	34.9	
SEP	2009	557	87	259	8394	9297	16590	25887	557	87	259	903	8394	16590	25887	2270	593	0	34.6	
OCT	2009	598	158	256	8468	9480	16600	26081	598	158	256	1012	8468	16600	26081	3040	490	0	34.4	
NOV	2009	634	197	252	8544	9627	16494	26121	634	197	252	1083	8544	16494	26121	3810	561	0	34.3	
DEC	2009	671	212	250	8607	9740	16458	26198	671	212	250	1133	8607	16458	26198	4580	581	0	34.3	
JAN	2010	723	248	260	8901	10133	16250	26382	723	248	260	1231	8901	16250	26382	5350	677	0	34.1	
		* * * * E F F E C T I V E S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
JAN	2010	723	248	260	8901	10133	16250	26382	445	248	140	833	8901	16250	25984	5350	677	0	34.1	
FEB	2010	771	296	272	9303	10642	15965	26607	491	296	151	938	9303	15965	26206	1500	667	0	33.9	
MAR	2010	807	334	273	9655	11068	15735	26804	524	334	151	1009	9655	15735	26399	1500	1013	0	33.6	
APR	2010	795	361	258	9869	11284	15877	27160	508	361	131	999	9869	15877	26745	1500	1136	0	33.4	
MAY	2010	745	353	189	10032	11318	16041	27359	450	353	42	845	10032	16041	26918	1500	1009	0	34.4	
JUN	2010	631	220	208	9269	10327	16047	26374	326	217	29	572	9269	16047	25888	1500	902	0	36.1	
JUL	2010	429	42	274	8157	8903	15847	24749	107	15	48	170	8157	15847	24174	1500	902	0	36.4	
		* * * * C R E D I T A B L E S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
AUG	2010	340	27	277	8155	8799	15631	24429	340	27	277	644	8155	15631	24429	1500	811	0	36.1	
SEP	2010	371	77	286	8627	9361	15336	24697	371	77	286	734	8627	15336	24697	2270	679	0	35.7	
OCT	2010	433	147	285	8670	9534	15428	24962	433	147	285	864	8670	15428	24962	3040	454	0	35.5	
NOV	2010	493	186	281	8722	9681	15286	24967	493	186	281	959	8722	15286	24967	3810	515	0	35.5	
DEC	2010	553	203	281	8759	9796	15206	25001	553	203	281	1036	8759	15206	25001	4580	531	0	35.5	
JAN	2011	629	248	290	9021	10188	14949	25138	629	248	290	1168	9021	14949	25138	5350	677	0	35.4	
		* * * * E F F E C T I V E S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
JAN	2011	629	248	290	9021	10188	14949	25138	331	248	217	796	9021	14949	24766	5350	677	0	35.4	
FEB	2011	702	295	301	9307	10604	14760	25364	402	295	227	924	9307	14760	24991	1500	660	0	35.2	
MAR	2011	759	334	300	9521	10914	14643	25558	458	334	225	1017	9521	14643	25182	1500	1014	0	34.9	
APR	2011	772	361	253	9625	11011	14904	25915	467	361	172	1001	9625	14904	25530	1500	1134	0	34.7	