

August 24-Month Study
Date: August 12, 2009

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

Current Reservoir Status

Reservoir	July Inflow (unregulated) (acre-feet)	Percent of Average (%)	August 11 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	247,000	134	6504.55	334,000
Flaming Gorge	284,000	122	6033.17	3,473,000
Blue Mesa	95,000	78	7512.27	766,000
Powell	1,400,000	88	3640.04	16,008,000
Navajo	26,000	57	6063.91	1,398,000

Expected Operations

The operation of Lake Powell and Lake Mead in this August 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 August 24-Month Study projections of the January 1 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead. If the operating tier for the year is the Upper Elevation Balancing Tier, an adjustment may be made in April based on the April 24-Month Study projection of the September 30 system storage and reservoir water surface elevations.

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 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 this August 24-Month Study.

This 24-Month Study currently projects Lake Powell's 2010 end of water year elevation to be above the 2010 Equalization Elevation of 3642 feet under an 8.23 maf release. Pursuant to the Interim Guidelines, an April 2010 adjustment is projected such that operating tier at Lake Powell would shift to the Equalization Tier during 2010. Based on analysis of inflow scenarios, currently the probability of an April adjustment in 2010 is approximately 70 percent.

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/rsvrs/ops/aop/AOP09_final.pdf.

Fontenelle Reservoir – – Inflows for the month of July were 247,000 acre-feet, or 116% of average. The reservoir elevation is 6504.6 feet above sea level, about 1.4 feet from top of pool, or 97% of capacity. The observed inflow volume for the April to July runoff season was 986,000 acre-feet (113% of average). Inflows over the next three months are forecasted to be very close to average: 90,000 acre-ft, 55,000 acre-ft, and 53,000 acre-ft for August, September and October, respectively.

Inflows to Fontenelle Reservoir are currently averaging 1,500 cfs and releases are approximately 1,580 cfs. Releases will likely be lowered again to approximately 1,100 cfs in late August.

The next Fontenelle Working Group meeting is scheduled for August 25, 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 – July observed unregulated inflow into Flaming Gorge reservoir was 284,000 acre-feet (AF), or 110 percent of average inflow. The July end of month elevation was 6033.3 feet, which equates to 3.48 million acre-feet or 93 percent of live storage capacity. Compared with the June precipitation in the Green River Basin of 245 percent of average, July was hot and dry with 65 percent of average. The observed April through July unregulated inflow volume into Flaming Gorge Reservoir was 1,197,000 (101 percent of average), compared with the 68 percent of average forecasted in April.

The average daily base flow for the base flow period is 1,700 cubic feet per second (cfs) per day. The flexibility outlined in the ROD allows the average daily base flow to vary \pm 40% from the average daily base flow for the summer period through November 30, and \pm 25% for the winter period from December 1 through the end of February. Releases out of Flaming Gorge are currently fluctuating around a 2,025 cfs daily average and are expected to continue at 2,025 cfs through September. It is anticipated that releases will decrease in October to an average daily release of 1,750 cfs.

The next Flaming Gorge Working Group meeting is scheduled for August 26, 2009, in Vernal, Utah. The meeting will be held at 7:00 p.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 Unit Reservoirs – July unregulated inflow into Blue Mesa Reservoir was 95,000 acre-feet or 71 percent of average. The current inflow rate into Blue Mesa Reservoir is approximately 1,000 cfs while reservoir releases are averaging 2,100 cfs. Blue Mesa's present elevation is 7512.54 feet, which corresponds to a storage content of about 768,000 acre-feet. The observed April through July runoff into Blue Mesa Reservoir was recorded at 772,000 acre-feet, or 107 percent of normal. The reservoir reached a high elevation of 7519.15 feet on June 26, 2009, which was approximately 0.25 feet below “full” pool. The reservoir is considered full at elevations above 7516.4 feet. The top of the spillway gates is actually 7519.4 feet, but we rarely fill to that level due to safety concerns for the reservoir.

Blue Mesa Reservoir was operated to provide an early high peak release in early May to satisfy the newly signed court decree quantifying the Federal Reserved Water Right for the Black Canyon of the Gunnison National Park. Based on this year's May 1st forecast, the water right called for a 24-hour peak flow in the Black Canyon of 5,864 cfs. The actual 24-hour peak recorded was 6,700 cfs on May 13, 2009.

Two other minor peak flows of around 3,300 to 3,500 cfs occurred later in the runoff season, one in early June, and the other in late June and early July. These were in response to additional snowmelt combined with rain events, mostly due to very active thunderstorms.

Releases from Crystal are currently set at 2,100 cfs. The Gunnison Diversion Tunnel is currently diverting about 1,050 cfs, which results in a river flow below the diversion tunnel of approximately 1,050 cfs. As in years past there seems to be about 100 cfs discrepancy between the different gage readings. These reservoir release rates may change as conditions warrant, primarily as we respond to changes in the river 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 – Due to continued declining river flows in the San Juan Basin, and no rain in the immediate forecast, the Bureau of Reclamation increased the release from Navajo Reservoir to 1,100 cubic feet per second (cfs) on Friday, August 7, 2009, at 9:00 a.m. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

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

Reclamation will continue to closely monitor weather and stream flow conditions and make adjustments to the Navajo Reservoir release as necessary.

July unregulated inflow into Navajo Reservoir was 30,000 acre-feet, or 36 percent of average. The total runoff for the 2009 season ending July (April-July) was recorded at 663,000 acre-feet, or about 84 percent of average runoff. The reservoir had a seasonal peak elevation of 6073.01 feet on May 28, 2009. Navajo Reservoir also provided a spring peak hydrograph of 5,000 cfs during the first week of June.

Currently the daily reservoir inflow is averaging 450 cfs and reservoir releases to the San Juan River are set at 1100 cfs. NIIP diversions are approximately 600 cfs. The reservoir water surface elevation is currently 6064.13 feet, which corresponds to a storage content of about 1,401,000 acre-feet.

A public meeting on Navajo Reservoir operations will be held on Tuesday, September 8, 2009 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last spring and summer reservoir operations, and plans for this fall and winter 2009/2010 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 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 – The unregulated inflow into Lake Powell during July was 1.40 million acre-feet (maf) which was 90% of average based on the period from 1971-2000. The most probable (median) inflow forecast for July was 1.13 maf so the actual unregulated inflow volume was 270,000 acre-feet above what was expected for the month of July. The end of month elevation of Lake Powell for July was about 0.5 feet lower than what was projected in the July 24-month study at 3,641.14 feet above sea level. The April through July inflow for Water Year 2009 was 7.81 maf (98% of average). The forecasted unregulated inflow for August and September are 550,000 acre-feet and 450,000 acre feet respectively. Based on these inflows and the projected water year release of 8.23 maf, the end of water year elevation is projected to be 3639.4 feet above sea level (60.6 feet from the top of the spillway gates). The storage in Lake Powell

at the end of the water year (September 30, 2009) is projected to be 15.94 maf which is 65.8% of the full capacity (24.322 maf).

During August 2009, the scheduled release volume for Lake Powell is 800,000 acre-feet which will result in a daily average release of approximately 13,000 cfs. During weekdays, the afternoon peak release from Glen Canyon Dam will be approximately 16,500 cfs with morning lows of approximately 8,500 cfs. During weekends the afternoon peak release will be approximately 16,000 cfs with morning lows of approximately 8,500 cfs. During the last 3 days of August, daily fluctuations of releases from Glen Canyon Dam will be moderated in order to transition to steady flows beginning September 1, 2009.

On September 1, 2009 and continuing through October 31, 2009 the releases from Glen Canyon Dam will be steady with no fluctuations for power production (excluding system regulation and spinning reserves) for a steady flow experiment pursuant to the February 2008 Finding of No Significant Impact Experimental Releases from Glen Canyon Dam, Arizona 2008 through 2012. The projected release rate currently being targeted is 10,000 cfs which is equivalent to a monthly release volume of approximately 595,000 acre-feet in September and 615,000 acre-feet in October.

The water year release volume for 2009 is 8.23 maf pursuant to the Interim Guidelines. At the end of August, depending the remaining release volume required to achieve 8.23 maf, the release volume scheduled for September could be moderately adjusted which could impact the steady flow rate targeted for this year.

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 and May conditions returned to a wetter pattern with precipitation estimates of 120% and 105% of average, respectively. Precipitation in June was well above average and estimated to be about 215% of average while in July the precipitation is estimated to be only 65% of average. The overall water year precipitation rate through August 10, 2009 is 102% of average.

The Climate Prediction Center outlook (dated July 16, 2009) for temperature over the next 3 months indicates that temperatures in the southwest have an increased probability of being above average while precipitation is projected to be near 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 August 10, 2009 the storage in Lake Powell was 16.0 million acre-feet (66 percent of capacity) which is still below desired levels while the overall reservoir storage in the Colorado River Basin as of August 10, 2009 is 35.2 million acre-feet (59.5 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

PHONE 801-524-5571

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

:	apr	may	jun	jul	%Avg	aug	sep	oct	apr-jul	%Avg
GLDA3:Lake Powell	789	2922	2702	1401	90%:	550/	450/	500/	7814/:	99%
GBRW4:Fontenelle	91	152	478	247	116%:	90/	55/	53/	968/:	113%
GRNU1:Flaming Gorge	127	213	573	284	110%:	95/	60/	58/	1197/:	101%
BMDC2:Blue Mesa	104	344	229	95	71%:	49/	42/	41/	772/:	107%
MPSC2:Morrow Point	119	377	241	97	69%:	52/	45/	44/	834/:	106%
CLSC2:Crystal	131	431	264	104	65%:	59/	52/	50/	930/:	102%
TPIC2:Taylor Park	11.2	46	37	15.6	70%:	9/	7/	7/	110/:	107%
VCRC2:Vallecito	22	99	44	19.2	55%:	13/	13/	11/	184/:	90%
NVRN5:Navajo	125	362	146	30	36%:	31/	37/	36/	663/:	84%
LEMC2:Lemon	5.2	28	9.2	3.2	39%:	3/	3/	2/	46/:	79%
MPHC2:McPhee	59	144	38	13.0	42%:	8/	8/	7.5/	254/:	79%
RBSC2:Ridgway	12.9	47	36	18.3	65%:	/	/	/	114/:	112%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 Most Prob Water Supply
Fontenelle Reservoir

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	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
* Aug 2008	47	2	91	0	91	6497.83	283
H Sep 2008	36	2	63	0	63	6493.80	254
WY 2008	837	14	712	44	756		
I Oct 2008	43	1	65	0	65	6490.51	231
S Nov 2008	41	1	48	13	61	6487.43	211
T Dec 2008	30	1	26	35	60	6482.26	180
O Jan 2009	33	1	61	0	61	6476.93	151
R Feb 2009	27	0	53	0	53	6471.15	124
I Mar 2009	46	0	59	0	59	6467.98	111
C Apr 2009	91	1	57	0	57	6475.63	145
A May 2009	152	1	62	1	64	6490.46	231
L Jun 2009	477	3	91	285	376	6504.01	330
* Jul 2009	247	3	88	145	233	6505.36	341
Aug 2009	90	2	94	0	94	6504.54	334
Sep 2009	55	2	73	0	73	6501.97	314
WY 2009	1330	15	776	480	1255		
Oct 2009	53	1	13	62	76	6498.82	290
Nov 2009	43	1	0	73	73	6494.55	259
Dec 2009	37	1	76	0	76	6488.70	220
Jan 2010	33	1	76	0	76	6481.75	177
Feb 2010	32	1	68	0	68	6474.61	140
Mar 2010	49	0	76	0	76	6468.46	113
Apr 2010	93	1	86	0	86	6469.93	119
May 2010	185	1	100	2	101	6485.83	201
Jun 2010	320	2	104	117	220	6499.96	299
Jul 2010	180	3	101	32	132	6505.75	344
Aug 2010	80	2	100	5	105	6502.34	317
Sep 2010	53	2	39	29	68	6500.09	300
WY 2010	1158	15	838	319	1157		
Oct 2010	49	1	54	16	71	6496.93	276
Nov 2010	41	1	68	0	68	6493.03	249
Dec 2010	32	1	71	0	71	6487.11	209
Jan 2011	30	1	71	0	71	6480.26	168
Feb 2011	28	0	64	0	64	6472.85	132
Mar 2011	52	0	71	0	71	6468.30	112
Apr 2011	89	1	83	0	83	6469.61	117
May 2011	176	1	99	5	105	6483.66	188
Jun 2011	307	2	103	90	193	6500.05	299
Jul 2011	185	3	101	38	138	6505.73	344

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 Most Prob Water Supply
 Flaming Gorge 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	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Aug 2008	48	92	12	92	0	92	85	6022.11	3055	29	132
H Sep 2008	40	67	10	89	0	89	84	6021.25	3024	22	126
WY 2008	1018	937	75	893	10	902					3017
I Oct 2008	45	67	7	71	0	71	83	6020.97	3014	21	119
S Nov 2008	47	66	3	65	0	65	83	6020.91	3012	0	107
T Dec 2008	17	48	2	79	0	79	82	6020.01	2980	0	116
O Jan 2009	39	67	2	80	0	80	82	6019.63	2967	0	752
R Feb 2009	37	64	2	62	0	62	82	6019.63	2967	0	104
I Mar 2009	62	75	3	52	0	52	82	6020.18	2986	0	140
C Apr 2009	127	93	5	50	0	50	84	6021.21	3023	0	312
A May 2009	212	125	7	150	0	150	83	6020.33	2991	758	883
L Jun 2009	573	472	10	96	0	96	97	6029.83	3342	517	624
* Jul 2009	284	271	14	117	0	117	102	6033.29	3478	110	247
Aug 2009	95	99	13	125	0	125	101	6032.36	3441	0	125
Sep 2009	60	78	11	120	0	120	98	6031.04	3389	0	120
WY 2009	1600	1525	79	1066	0	1066					3649
Oct 2009	58	81	7	111	0	111	97	6030.11	3353	0	111
Nov 2009	50	80	4	106	0	106	96	6029.38	3325	0	106
Dec 2009	45	84	2	109	0	109	95	6028.70	3299	0	109
Jan 2010	40	83	2	113	0	113	94	6027.89	3268	0	113
Feb 2010	40	76	2	99	0	99	93	6027.27	3245	0	99
Mar 2010	72	99	3	109	0	109	92	6026.92	3232	0	109
Apr 2010	120	113	5	106	0	106	92	6027.00	3235	0	106
May 2010	230	146	8	154	0	154	92	6026.61	3220	0	154
Jun 2010	375	275	10	182	0	182	95	6028.71	3300	0	182
Jul 2010	195	147	14	101	0	101	96	6029.52	3331	0	101
Aug 2010	88	113	13	101	0	101	96	6029.48	3329	0	101
Sep 2010	60	75	11	98	0	98	95	6028.63	3296	0	98
WY 2010	1373	1372	80	1389	0	1389					1389
Oct 2010	59	81	7	101	0	101	94	6027.92	3270	0	101
Nov 2010	51	78	3	98	0	98	93	6027.32	3247	0	98
Dec 2010	36	75	2	101	0	101	92	6026.59	3219	0	101
Jan 2011	41	81	2	105	0	105	91	6025.93	3195	0	105
Feb 2011	45	82	2	92	0	92	90	6025.62	3183	0	92
Mar 2011	103	123	3	101	0	101	91	6026.09	3201	0	101
Apr 2011	142	136	5	98	0	98	92	6026.93	3232	0	98
May 2011	263	192	8	143	0	143	94	6027.98	3272	0	143
Jun 2011	400	286	10	186	0	186	97	6030.22	3358	0	186
Jul 2011	219	172	14	112	0	112	99	6031.37	3402	0	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 Most Prob Water Supply
Taylor Park Reservoir

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	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Aug 2008	12	23	9315.69	79
H Sep 2008	8	15	9311.36	72
WY 2008	184	189		
I Oct 2008	7	7	9311.31	72
S Nov 2008	5	5	9311.19	72
T Dec 2008	5	5	9311.34	72
O Jan 2009	5	5	9311.21	72
R Feb 2009	4	5	9310.95	71
I Mar 2009	4	5	9310.68	71
C Apr 2009	11	5	9314.31	77
A May 2009	46	20	9328.38	103
L Jun 2009	37	35	9329.45	105
* Jul 2009	16	26	9324.35	95
Aug 2009	8	21	9317.26	82
Sep 2009	8	16	9312.60	74
WY 2009	156	154		
Oct 2009	7	10	9310.76	71
Nov 2009	6	6	9310.76	71
Dec 2009	5	6	9310.13	70
Jan 2010	5	6	9309.50	69
Feb 2010	4	6	9308.22	67
Mar 2010	4	6	9306.92	65
Apr 2010	8	8	9306.92	65
May 2010	27	18	9312.60	74
Jun 2010	43	20	9325.41	97
Jul 2010	17	22	9322.79	92
Aug 2010	9	22	9315.57	79
Sep 2010	7	15	9310.76	71
WY 2010	142	145		
Oct 2010	6	10	9308.32	67
Nov 2010	5	6	9307.63	66
Dec 2010	4	6	9306.64	65
Jan 2011	4	6	9305.43	63
Feb 2011	4	6	9303.87	61
Mar 2011	4	6	9302.65	59
Apr 2011	8	8	9302.88	59
May 2011	27	16	9310.28	70
Jun 2011	43	20	9323.39	93
Jul 2011	20	22	9322.55	92

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	70	82	1	119	0	119	7507.44	724
H Sep 2008	35	42	1	115	0	115	7498.61	650
WY 2008	1271	1277	8	1235	70	1305		
I Oct 2008	33	33	1	85	0	85	7492.14	598
S Nov 2008	27	28	0	33	0	33	7491.42	592
T Dec 2008	28	27	0	36	0	36	7490.25	583
O Jan 2009	26	27	0	39	0	39	7488.62	571
R Feb 2009	24	24	0	42	0	42	7486.19	552
I Mar 2009	40	40	0	49	0	49	7484.97	543
C Apr 2009	104	99	1	61	0	61	7489.84	580
A May 2009	344	317	1	110	10	120	7513.48	776
L Jun 2009	229	227	1	172	3	175	7519.02	826
* Jul 2009	95	105	2	144	0	144	7514.49	785
Aug 2009	49	62	1	119	0	119	7507.84	727
Sep 2009	42	50	1	94	0	94	7502.54	682
WY 2009	1041	1039	9	984	13	997		
Oct 2009	41	44	1	58	0	58	7500.78	668
Nov 2009	33	33	0	29	0	29	7501.24	672
Dec 2009	29	30	0	120	0	120	7490.00	581
Jan 2010	26	27	0	98	0	98	7480.58	510
Feb 2010	22	24	0	55	0	55	7476.24	479
Mar 2010	33	35	0	40	0	40	7475.48	474
Apr 2010	77	77	1	42	0	42	7480.27	508
May 2010	210	201	1	64	0	64	7497.87	644
Jun 2010	265	242	1	68	0	68	7517.90	816
Jul 2010	96	101	2	113	0	113	7516.40	802
Aug 2010	52	65	1	121	0	121	7509.94	745
Sep 2010	41	49	1	105	0	105	7503.25	688
WY 2010	925	928	9	913	0	913		
Oct 2010	36	39	1	58	0	58	7500.95	669
Nov 2010	31	32	0	29	0	29	7501.30	672
Dec 2010	25	27	0	117	0	117	7490.00	581
Jan 2011	24	26	0	92	0	92	7481.30	516
Feb 2011	22	24	0	60	0	60	7476.32	480
Mar 2011	34	36	0	43	0	43	7475.26	472
Apr 2011	73	73	1	54	0	54	7477.76	490
May 2011	212	201	1	74	0	74	7494.36	616
Jun 2011	271	248	1	71	0	71	7515.22	792
Jul 2011	121	122	2	110	0	110	7516.40	803

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 Most Prob Water Supply
Morrow Point Reservoir

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	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
* Aug 2008	71	119	0	120	0	117	0	117	7156.11	114
H Sep 2008	35	115	0	115	0	115	0	115	7155.78	114
WY 2008	1351	1305	79	1385	1	1358	27	1385		
I Oct 2008	33	85	0	85	0	86	0	86	7153.95	112
S Nov 2008	29	33	2	35	0	35	0	35	7153.60	112
T Dec 2008	29	36	2	38	0	39	0	39	7152.11	111
O Jan 2009	28	39	1	40	0	43	0	43	7148.12	108
R Feb 2009	24	42	1	43	0	45	0	45	7145.98	106
I Mar 2009	42	49	2	51	0	43	6	49	7147.72	107
C Apr 2009	119	61	14	75	0	69	0	69	7155.78	114
A May 2009	377	120	34	154	0	153	2	155	7154.23	112
L Jun 2009	241	175	12	188	0	184	0	184	7158.19	116
* Jul 2009	97	144	2	146	0	148	0	148	7155.33	113
Aug 2009	52	119	3	122	0	123	0	123	7153.73	112
Sep 2009	45	94	3	97	0	97	0	97	7153.73	112
WY 2009	1116	997	75	1073	1	1065	8	1074		
Oct 2009	44	58	3	61	0	61	0	61	7153.73	112
Nov 2009	35	29	2	31	0	31	0	31	7153.73	112
Dec 2009	31	120	2	122	0	122	0	122	7153.73	112
Jan 2010	28	98	2	100	0	100	0	100	7153.73	112
Feb 2010	24	55	2	57	0	57	0	57	7153.73	112
Mar 2010	36	40	3	43	0	43	0	43	7153.73	112
Apr 2010	91	42	14	56	0	56	0	56	7153.73	112
May 2010	235	64	25	89	0	89	0	89	7153.73	112
Jun 2010	285	68	20	88	0	88	0	88	7153.73	112
Jul 2010	105	113	9	122	0	122	0	122	7153.73	112
Aug 2010	56	121	4	125	0	125	0	125	7153.73	112
Sep 2010	45	105	4	109	0	109	0	109	7153.73	112
WY 2010	1015	913	90	1003	0	1003	0	1003		
Oct 2010	38	58	3	61	0	61	0	61	7153.73	112
Nov 2010	33	29	2	31	0	31	0	31	7153.73	112
Dec 2010	27	117	2	119	0	119	0	119	7153.73	112
Jan 2011	26	92	2	94	0	94	0	94	7153.73	112
Feb 2011	25	60	3	63	0	63	0	63	7153.73	112
Mar 2011	38	43	4	47	0	47	0	47	7153.73	112
Apr 2011	84	54	11	65	0	65	0	65	7153.73	112
May 2011	237	74	25	99	0	99	0	99	7153.73	112
Jun 2011	292	71	21	92	0	92	0	92	7153.73	112
Jul 2011	127	110	7	117	0	117	0	117	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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Crystal Reservoir

	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
* Aug 2008	75	117	5	122	123	0	123	6742.41	14	66	66
H Sep 2008	38	115	3	118	118	0	118	6741.71	14	61	63
WY 2008	1520	1385	169	1554	1164	392	1555			356	1283
I Oct 2008	36	86	3	89	89	0	89	6744.34	15	55	45
S Nov 2008	33	35	4	38	39	0	39	6742.20	14	1	40
T Dec 2008	32	39	3	42	42	0	42	6742.53	14	1	43
O Jan 2009	31	43	4	47	38	9	47	6741.02	14	1	49
R Feb 2009	28	45	3	48	24	20	45	6752.05	17	1	46
I Mar 2009	47	49	5	55	55	0	55	6751.30	16	9	47
C Apr 2009	130	69	12	81	80	0	80	6752.70	17	35	48
A May 2009	431	155	53	208	120	88	208	6752.57	17	55	160
L Jun 2009	264	184	23	207	116	91	207	6753.30	17	58	160
* Jul 2009	104	148	7	156	128	30	158	6743.22	14	71	101
Aug 2009	59	123	7	130	127	0	127	6753.04	17	65	62
Sep 2009	52	97	7	104	104	0	104	6753.04	17	55	49
WY 2009	1247	1074	131	1205	963	238	1201			405	850
Oct 2009	50	61	6	67	67	0	67	6753.04	17	30	37
Nov 2009	40	31	5	36	36	0	36	6753.04	17	0	36
Dec 2009	35	122	4	126	126	0	126	6753.04	17	0	126
Jan 2010	31	100	3	103	103	0	103	6753.04	17	0	103
Feb 2010	27	57	3	60	60	0	60	6753.04	17	0	60
Mar 2010	41	43	5	48	48	0	48	6753.04	17	5	43
Apr 2010	107	56	16	72	72	0	72	6753.04	17	30	42
May 2010	280	89	45	134	134	0	134	6753.04	17	55	79
Jun 2010	320	88	35	123	123	0	123	6753.04	17	60	63
Jul 2010	117	122	12	134	134	0	134	6753.04	17	65	69
Aug 2010	65	125	9	134	134	0	134	6753.04	17	65	69
Sep 2010	52	109	7	116	116	0	116	6753.04	17	55	61
WY 2010	1165	1003	150	1153	1153	0	1153			365	788
Oct 2010	44	61	6	67	67	0	67	6753.04	17	30	37
Nov 2010	38	31	5	36	36	0	36	6753.04	17	0	36
Dec 2010	32	119	5	124	124	0	124	6753.04	17	0	124
Jan 2011	31	94	5	99	99	0	99	6753.04	17	0	99
Feb 2011	29	63	4	67	67	0	67	6753.04	17	0	67
Mar 2011	46	47	7	54	54	0	54	6753.04	17	5	49
Apr 2011	96	65	12	78	78	0	78	6753.04	17	30	48
May 2011	272	99	35	134	134	0	134	6753.04	17	55	79
Jun 2011	330	92	38	130	130	0	130	6753.04	17	60	70
Jul 2011	144	117	17	134	134	0	134	6753.04	17	65	69

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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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
* Aug 2008	15	38	7651.24	90
H Sep 2008	11	31	7642.57	70
WY 2008	309	319		
I Oct 2008	9	14	7640.18	65
S Nov 2008	5	2	7641.75	68
T Dec 2008	5	2	7643.06	71
O Jan 2009	5	2	7644.39	74
R Feb 2009	5	2	7645.61	77
I Mar 2009	8	4	7647.33	81
C Apr 2009	22	10	7652.11	92
A May 2009	98	66	7664.50	124
L Jun 2009	44	43	7664.64	124
* Jul 2009	19	39	7656.79	104
Aug 2009	13	38	7646.34	78
Sep 2009	13	28	7639.41	63
WY 2009	247	251		
Oct 2009	11	18	7635.90	56
Nov 2009	8	6	7636.60	57
Dec 2009	5	3	7637.75	60
Jan 2010	5	3	7638.64	61
Feb 2010	4	3	7639.17	63
Mar 2010	7	3	7640.92	66
Apr 2010	21	12	7644.86	75
May 2010	72	40	7657.85	107
Jun 2010	79	60	7664.96	125
Jul 2010	28	43	7659.08	110
Aug 2010	18	42	7649.27	85
Sep 2010	17	32	7642.60	70
WY 2010	275	265		
Oct 2010	14	19	7640.06	64
Nov 2010	8	7	7640.66	66
Dec 2010	6	5	7641.11	67
Jan 2011	5	5	7641.34	67
Feb 2011	5	4	7641.48	67
Mar 2011	8	5	7642.98	71
Apr 2011	22	13	7646.83	79
May 2011	69	43	7657.43	105
Jun 2011	78	63	7662.79	119
Jul 2011	31	43	7657.94	107

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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
* Aug 2008	31	3	52	4	36	40	6059.46	1345	58
H Sep 2008	31	2	48	3	22	45	6057.74	1318	57
WY 2008	1355	146	1219	28	206	1185			1887
I Oct 2008	28	0	34	2	11	32	6056.83	1308	45
S Nov 2008	21	0	17	1	0	30	6055.68	1294	47
T Dec 2008	19	0	16	1	0	31	6054.38	1277	48
O Jan 2009	23	0	20	1	1	32	6053.29	1264	54
R Feb 2009	28	1	24	1	0	28	6052.85	1260	50
I Mar 2009	76	6	65	2	5	31	6055.13	1288	61
C Apr 2009	125	19	97	2	19	30	6058.76	1337	69
A May 2009	361	52	275	4	29	59	6072.47	1515	251
L Jun 2009	146	24	120	5	36	115	6069.92	1479	184
* Jul 2009	30	4	45	5	43	54	6065.70	1422	77
Aug 2009	31	2	54	4	35	50	6063.07	1387	50
Sep 2009	37	1	51	3	20	33	6062.70	1383	33
WY 2009	925	109	819	28	200	527			969
Oct 2009	36	2	41	2	7	31	6062.83	1384	31
Nov 2009	33	0	31	1	0	30	6062.86	1385	30
Dec 2009	24	0	21	1	0	31	6062.09	1375	31
Jan 2010	23	0	21	1	0	31	6061.28	1364	31
Feb 2010	27	0	26	1	0	28	6061.05	1361	28
Mar 2010	83	2	77	2	4	31	6064.19	1402	31
Apr 2010	156	16	131	3	16	34	6070.01	1481	34
May 2010	280	33	215	4	28	200	6068.75	1463	200
Jun 2010	240	29	192	4	43	212	6063.66	1395	212
Jul 2010	66	7	74	5	46	31	6063.10	1388	31
Aug 2010	41	3	62	4	39	31	6062.27	1377	31
Sep 2010	41	1	55	3	22	30	6062.31	1377	30
WY 2010	1050	93	947	28	205	718			718
Oct 2010	40	0	46	2	7	31	6062.76	1383	31
Nov 2010	33	0	32	1	1	30	6062.73	1383	30
Dec 2010	24	0	23	1	1	31	6061.98	1373	31
Jan 2011	22	0	21	1	0	31	6061.19	1363	31
Feb 2011	30	0	30	1	0	28	6061.27	1364	28
Mar 2011	88	2	83	2	4	31	6064.84	1411	31
Apr 2011	174	16	149	3	16	34	6071.89	1507	34
May 2011	279	33	219	4	28	200	6070.94	1494	200
Jun 2011	246	29	203	5	43	212	6066.75	1436	212
Jul 2011	74	7	79	5	46	31	6066.59	1434	31

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	489	596	62	890	0	890	3629.55	17353	14803	914
H Sep 2008	390	555	56	723	0	723	3626.90	17423	14509	738
WY 2008	12344	12417	396	8885	93	8978				9164
I Oct 2008	382	498	38	749	0	749	3623.82	17470	14172	762
S Nov 2008	419	455	36	603	0	603	3621.90	17493	13966	612
T Dec 2008	312	386	28	801	0	801	3617.89	17478	13541	818
O Jan 2009	329	394	9	802	0	802	3614.17	17444	13155	822
R Feb 2009	323	377	9	602	0	602	3612.05	17426	12938	612
I Mar 2009	470	445	16	626	0	626	3610.43	17393	12774	632
C Apr 2009	788	669	25	604	0	604	3611.26	17350	12858	611
A May 2009	2921	2446	31	582	0	582	3629.09	17297	14751	586
L Jun 2009	2701	2217	54	662	0	662	3640.49	17498	16061	670
* Jul 2009	1400	1225	67	803	0	803	3641.14	17759	16138	828
Aug 2009	550	704	57	801	0	801	3639.94	17748	15995	801
Sep 2009	450	579	49	595	0	595	3639.43	17743	15936	595
WY 2009	11045	10395	418	8230	0	8230				8351
Oct 2009	500	573	44	615	0	615	3638.75	17737	15856	615
Nov 2009	475	524	36	690	0	690	3637.14	17722	15668	690
Dec 2009	425	587	30	855	0	855	3634.76	17700	15392	855
Jan 2010	375	528	23	955	0	955	3631.10	17666	14976	955
Feb 2010	375	468	21	800	0	800	3628.17	17640	14649	800
Mar 2010	650	648	26	900	0	900	3625.83	17619	14391	900
Apr 2010	1000	860	29	1000	0	1000	3624.40	17607	14235	1000
May 2010	2300	2059	40	1000	0	1000	3632.89	17682	15179	1000
Jun 2010	2800	2455	48	1032	0	1032	3643.77	17784	16452	1032
Jul 2010	1150	1091	56	1050	0	1050	3643.65	17783	16439	1050
Aug 2010	500	614	57	1000	0	1000	3640.21	17750	16028	1000
Sep 2010	450	564	49	595	0	595	3639.58	17744	15954	595
WY 2010	11000	10970	459	10492	0	10492				10492
Oct 2010	514	577	44	615	0	615	3638.93	17738	15877	615
Nov 2010	523	567	37	600	0	600	3638.38	17733	15813	600
Dec 2010	414	579	30	800	0	800	3636.38	17715	15580	800
Jan 2011	384	525	23	1000	0	1000	3632.36	17678	15119	1000
Feb 2011	394	476	21	800	0	800	3629.53	17652	14800	800
Mar 2011	628	583	26	800	0	800	3627.50	17634	14575	800
Apr 2011	950	780	29	801	0	801	3627.08	17630	14528	801
May 2011	2161	1886	40	1000	0	1000	3634.05	17693	15311	1000
Jun 2011	2811	2435	48	1000	0	1000	3644.95	17796	16595	1000
Jul 2011	1346	1238	57	1000	0	1000	3646.32	17809	16762	1000

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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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
* Aug 2008	890	95	78	804	13.1	34	789	777	1105.13	11955
H Sep 2008	723	77	64	652	11.0	22	642	781	1105.76	12013
WY 2008	8978	912	606	9531		278	9468			
I Oct 2008	749	47	47	508	8.3	26	498	794	1107.94	12213
S Nov 2008	603	74	47	675	11.3	15	659	790	1107.33	12157
T Dec 2008	801	62	41	453	7.4	8	432	812	1110.97	12496
O Jan 2009	802	63	34	741	12.1	9	739	817	1111.78	12572
R Feb 2009	602	82	31	679	12.2	9	669	815	1111.43	12539
I Mar 2009	626	62	34	1037	16.9	17	1036	791	1107.40	12164
C Apr 2009	604	36	42	1174	19.7	20	1169	754	1101.26	11604
A May 2009	582	63	47	977	15.9	33	968	729	1096.92	11217
L Jun 2009	662	13	56	750	12.6	25	748	720	1095.26	11071
* Jul 2009	803	39	70	840	13.7	31	838	714	1094.20	10978
Aug 2009	801	110	74	749	12.2	39	749	717	1094.73	11025
Sep 2009	595	78	61	642	10.8	34	642	713	1094.05	10965
WY 2009	8230	729	586	9225		264	9147			
Oct 2009	615	73	45	510	8.3	43	510	718	1095.02	11050
Nov 2009	690	73	45	602	10.1	32	602	723	1095.93	11129
Dec 2009	855	65	39	615	10.0	26	615	738	1098.47	11354
Jan 2010	955	131	32	675	11.0	19	675	760	1102.24	11692
Feb 2010	800	134	30	673	12.1	18	673	773	1104.44	11892
Mar 2010	900	96	34	1004	16.3	26	1004	769	1103.74	11829
Apr 2010	1000	75	42	1139	19.1	24	1139	761	1102.41	11707
May 2010	1000	70	48	1004	16.3	33	1004	760	1102.24	11693
Jun 2010	1032	24	58	897	15.1	31	897	764	1102.97	11759
Jul 2010	1050	61	73	898	14.6	33	898	771	1104.09	11860
Aug 2010	1000	110	78	816	13.3	34	816	782	1105.96	12031
Sep 2010	595	78	64	673	11.3	29	673	776	1105.00	11944
WY 2010	10492	990	587	9505		347	9505			
Oct 2010	615	73	47	448	7.3	38	448	786	1106.59	12089
Nov 2010	600	73	47	511	8.6	26	511	791	1107.49	12172
Dec 2010	800	65	41	526	8.6	20	526	808	1110.29	12433
Jan 2011	1000	131	34	674	11.0	20	674	833	1114.31	12812
Feb 2011	800	134	32	667	12.0	19	667	846	1116.44	13016
Mar 2011	800	96	35	1004	16.3	27	1004	836	1114.77	12856
Apr 2011	801	75	44	1137	19.1	24	1137	816	1111.51	12547
May 2011	1000	70	50	1004	16.3	33	1004	814	1111.33	12531
Jun 2011	1000	24	60	894	15.0	31	894	817	1111.72	12567
Jul 2011	1000	61	75	896	14.6	33	896	820	1112.29	12621

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	804	-26	798	0	798	13.0	641.06	1646
H Sep 2008	652	-15	698	0	698	11.7	638.80	1585
WY 2008	9531	-285	9205	0	9205			
I Oct 2008	508	-18	632	0	632	10.3	633.37	1444
S Nov 2008	675	-23	603	0	603	10.1	635.28	1493
T Dec 2008	453	-23	339	0	339	5.5	638.77	1585
O Jan 2009	741	-25	655	0	655	10.6	641.08	1647
R Feb 2009	679	-18	629	0	629	11.3	642.29	1679
I Mar 2009	1037	-27	1035	0	1035	16.8	641.38	1655
C Apr 2009	1174	-30	1097	0	1097	18.4	643.11	1702
A May 2009	977	-28	916	0	916	14.9	644.36	1736
L Jun 2009	750	-28	788	0	788	13.2	641.92	1669
* Jul 2009	840	-20	835	0	835	13.6	641.37	1654
Aug 2009	749	-25	734	0	734	11.9	641.00	1644
Sep 2009	642	-17	732	0	732	12.3	637.00	1538
WY 2009	9225	-281	8992	0	8992			
Oct 2009	510	-4	609	0	609	9.9	633.00	1434
Nov 2009	602	-18	558	0	558	9.4	634.00	1460
Dec 2009	615	-20	473	0	473	7.7	638.71	1583
Jan 2010	675	-22	569	0	569	9.3	641.80	1666
Feb 2010	673	-15	659	0	659	11.9	641.80	1666
Mar 2010	1004	-26	943	0	943	15.3	643.05	1700
Apr 2010	1139	-28	1112	0	1112	18.7	643.00	1699
May 2010	1004	-35	969	0	969	15.8	643.00	1699
Jun 2010	897	-27	897	0	897	15.1	642.00	1671
Jul 2010	898	-23	888	0	888	14.4	641.50	1658
Aug 2010	816	-25	791	0	791	12.9	641.50	1658
Sep 2010	673	-17	750	0	750	12.6	638.00	1564
WY 2010	9505	-260	9219	0	9219			
Oct 2010	448	-4	574	0	574	9.3	633.00	1434
Nov 2010	511	-18	467	0	467	7.9	634.00	1460
Dec 2010	526	-20	384	0	384	6.2	638.71	1583
Jan 2011	674	-22	568	0	568	9.2	641.80	1666
Feb 2011	667	-15	652	0	652	11.7	641.80	1666
Mar 2011	1004	-26	944	0	944	15.3	643.05	1700
Apr 2011	1137	-28	1111	0	1111	18.7	643.00	1699
May 2011	1004	-35	969	0	969	15.8	643.00	1699
Jun 2011	894	-27	894	0	894	15.0	642.00	1671
Jul 2011	896	-23	886	0	886	14.4	641.50	1658

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	798	-2	635	10.3	82	65	448.54	590	109	1.8
H Sep 2008	698	-10	519	8.7	82	94	448.19	584	99	1.7
WY 2008	9205	-80	6692		803	1622			1560	
I Oct 2008	632	3	452	7.4	77	136	446.55	553	84	1.4
S Nov 2008	603	16	379	6.4	53	168	447.54	571	118	2.0
T Dec 2008	339	15	236	3.8	67	65	446.81	558	139	2.3
O Jan 2009	655	-6	379	6.2	100	171	446.67	555	121	2.0
R Feb 2009	629	3	397	7.2	82	162	446.08	544	162	2.9
I Mar 2009	1035	-7	736	12.0	99	180	446.75	557	208	3.4
C Apr 2009	1097	-5	784	13.2	98	172	448.75	595	205	3.4
A May 2009	916	-3	647	10.5	101	165	448.71	594	122	2.0
L Jun 2009	788	-6	595	10.0	98	94	448.49	590	113	1.9
* Jul 2009	835	-13	655	10.6	100	75	448.11	582	120	2.0
Aug 2009	734	-11	592	9.6	99	43	447.50	571	93	1.5
Sep 2009	732	-12	539	9.1	96	98	446.80	557	89	1.5
WY 2009	8992	-26	6392		1071	1529			1573	
Oct 2009	609	6	448	7.3	22	154	446.31	548	74	1.2
Nov 2009	558	13	360	6.0	77	130	446.50	552	103	1.7
Dec 2009	473	11	293	4.8	71	119	446.50	552	117	1.9
Jan 2010	569	25	342	5.6	84	168	446.50	552	119	1.9
Feb 2010	659	28	458	8.2	77	152	446.50	552	154	2.8
Mar 2010	943	30	717	11.7	85	168	446.70	555	204	3.3
Apr 2010	1112	-6	822	13.8	82	163	448.71	594	199	3.3
May 2010	969	-16	699	11.4	85	169	448.71	594	111	1.8
Jun 2010	897	-26	666	11.2	82	123	448.71	594	116	1.9
Jul 2010	888	-18	723	11.8	84	77	448.00	580	119	1.9
Aug 2010	791	-11	626	10.2	84	79	447.50	571	93	1.5
Sep 2010	750	-12	539	9.1	61	151	446.80	557	89	1.5
WY 2010	9219	24	6695		895	1653			1498	
Oct 2010	574	6	448	7.3	24	116	446.31	548	74	1.2
Nov 2010	467	13	361	6.1	24	92	446.50	552	103	1.7
Dec 2010	384	11	295	4.8	25	75	446.50	552	118	1.9
Jan 2011	568	25	341	5.5	83	168	446.50	552	119	1.9
Feb 2011	652	28	452	8.1	75	152	446.50	552	149	2.7
Mar 2011	944	30	718	11.7	84	169	446.70	555	206	3.4
Apr 2011	1111	-6	821	13.8	81	164	448.71	594	200	3.4
May 2011	969	-16	700	11.4	84	170	448.71	594	113	1.8
Jun 2011	894	-26	664	11.2	81	124	448.71	594	115	1.9
Jul 2011	886	-18	722	11.7	83	77	448.00	580	119	1.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 Most Prob Water Supply
Hoover Dam - Lake Mead

10-aug-2009 15:43:54

	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
* Aug 2008	804	13.1	1105.13	11955	65	0.00	1678.0	316.2	100	393.1
H Sep 2008	652	11.0	1105.76	12013	58	0.00	1677.0	252.9	100	387.9
WY 2008	9530							3790.6		
I Oct 2008	508	8.3	1107.94	12213	201	0.00	1038.0	188.5	61	370.8
S Nov 2008	675	11.3	1107.33	12157	-56	0.00	926.0	263.1	55	389.9
T Dec 2008	453	7.4	1110.97	12496	339	0.00	1523.0	171.3	88	377.7
O Jan 2009	741	12.1	1111.78	12572	76	0.00	1305.0	299.0	75	403.3
R Feb 2009	679	12.2	1111.43	12539	-33	0.00	1415.0	263.8	81	388.5
I Mar 2009	1037	16.9	1107.40	12164	-376	0.00	950.0	415.9	55	401.2
C Apr 2009	1174	19.7	1101.26	11604	-560	0.00	1284.0	474.0	76	403.7
A May 2009	977	15.9	1096.92	11217	-387	0.00	1411.0	381.7	85	390.6
L Jun 2009	750	12.6	1095.26	11071	-146	0.00	1641.0	287.2	100	383.1
* Jul 2009	840	13.7	1094.20	10978	-93	0.00	1640.0	324.9	100	386.9
Aug 2009	749	12.2	1094.73	11025	46	442.05	1648.0	295.8	100	395.2
Sep 2009	642	10.8	1094.05	10965	-60	443.40	1642.0	250.2	100	389.8
WY 2009	9225							3615.5		
Oct 2009	510	8.3	1095.02	11050	85	448.80	1147.0	205.4	70	402.7
Nov 2009	602	10.1	1095.93	11129	80	449.70	1353.0	240.8	82	400.2
Dec 2009	615	10.0	1098.47	11354	225	450.04	1343.0	246.3	80	400.2
Jan 2010	675	11.0	1102.24	11692	338	450.36	1404.0	269.1	83	398.7
Feb 2010	673	12.1	1104.44	11892	200	453.75	1191.0	276.1	70	410.1
Mar 2010	1004	16.3	1103.74	11829	-63	453.50	1279.0	412.2	75	410.6
Apr 2010	1139	19.1	1102.41	11707	-121	451.41	1380.0	473.7	81	416.0
May 2010	1004	16.3	1102.24	11693	-15	449.32	1591.0	402.6	94	401.1
Jun 2010	897	15.1	1102.97	11759	66	449.27	1696.0	361.2	100	402.8
Jul 2010	898	14.6	1104.09	11860	101	450.68	1702.0	361.0	100	402.1
Aug 2010	816	13.3	1105.96	12031	171	452.32	1713.0	332.7	100	407.8
Sep 2010	673	11.3	1105.00	11944	-88	453.92	1707.0	269.8	100	400.6
WY 2010	9505							3850.8		
Oct 2010	448	7.3	1106.59	12089	145	457.03	1611.0	178.7	94	399.0
Nov 2010	511	8.6	1107.49	12172	83	459.90	1616.0	202.4	94	396.2
Dec 2010	526	8.6	1110.29	12433	261	460.20	1631.0	208.5	94	396.2
Jan 2011	674	11.0	1114.31	12812	379	462.24	1439.6	274.6	83	407.7
Feb 2011	667	12.0	1116.44	13016	204	465.73	1212.6	279.3	70	419.0
Mar 2011	1004	16.3	1114.77	12856	-159	464.96	1305.3	421.8	75	420.0
Apr 2011	1137	19.1	1111.51	12547	-309	461.42	1415.8	482.7	81	424.5
May 2011	1004	16.3	1111.33	12531	-17	458.36	1633.3	410.0	94	408.4
Jun 2011	894	15.0	1111.72	12567	36	458.13	1738.0	366.4	100	409.8
Jul 2011	896	14.6	1112.29	12621	54	459.10	1738.0	366.0	100	408.7

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	798	13.0	641.06	1646	-20	0.00	255.0	98.5	100	123.4
H Sep 2008	698	11.7	638.80	1585	-61	0.00	255.0	86.5	100	123.9
WY 2008	9205							1137.7		
I Oct 2008	632	10.3	633.37	1444	-141	0.00	211.7	74.9	83	118.6
S Nov 2008	603	10.1	635.28	1493	49	0.00	186.2	71.8	73	119.1
T Dec 2008	339	5.5	638.77	1585	91	0.00	163.2	42.1	64	124.2
O Jan 2009	655	10.6	641.08	1647	62	0.00	155.6	80.8	61	123.4
R Feb 2009	629	11.3	642.29	1679	33	0.00	193.8	79.3	76	126.1
I Mar 2009	1035	16.8	641.38	1655	-25	0.00	255.0	121.2	100	117.1
C Apr 2009	1097	18.4	643.11	1702	47	0.00	255.0	135.7	100	123.7
A May 2009	916	14.9	644.36	1736	34	0.00	255.0	115.6	100	126.3
L Jun 2009	788	13.2	641.92	1669	-67	0.00	255.0	99.5	100	126.2
* Jul 2009	835	13.6	641.37	1654	-15	0.00	255.0	101.8	100	121.9
Aug 2009	734	11.9	641.00	1644	-10	134.14	255.0	91.5	100	124.7
Sep 2009	732	12.3	637.00	1538	-106	131.83	255.0	89.7	100	122.6
WY 2009	8992							1103.8		
Oct 2009	609	9.9	633.00	1434	-103	128.72	216.8	73.0	85	119.8
Nov 2009	558	9.4	634.00	1460	26	128.21	183.6	66.2	72	118.7
Dec 2009	473	7.7	638.71	1583	123	131.03	188.7	57.6	74	121.9
Jan 2010	569	9.3	641.80	1666	83	135.19	186.2	71.1	73	124.8
Feb 2010	659	11.9	641.80	1666	0	136.23	204.0	82.5	80	125.2
Mar 2010	943	15.3	643.05	1700	34	135.64	247.3	117.6	97	124.7
Apr 2010	1112	18.7	643.00	1699	-2	136.07	255.0	138.1	100	124.2
May 2010	969	15.8	643.00	1699	0	136.04	255.0	121.1	100	125.0
Jun 2010	897	15.1	642.00	1671	-27	135.51	255.0	112.0	100	124.8
Jul 2010	888	14.4	641.50	1658	-14	134.73	255.0	110.4	100	124.3
Aug 2010	791	12.9	641.50	1658	0	134.46	255.0	98.5	100	124.6
Sep 2010	750	12.6	638.00	1564	-94	132.63	255.0	92.4	100	123.1
WY 2010	9219							1140.6		
Oct 2010	574	9.3	633.00	1434	-130	128.65	237.2	69.1	93	120.5
Nov 2010	467	7.9	634.00	1460	26	126.61	234.6	55.7	92	119.3
Dec 2010	384	6.2	638.71	1583	123	129.47	239.7	47.0	94	122.5
Jan 2011	568	9.2	641.80	1666	83	134.16	219.3	70.9	86	124.8
Feb 2011	652	11.7	641.80	1666	0	135.05	244.8	81.7	96	125.3
Mar 2011	944	15.3	643.05	1700	34	135.44	255.0	117.6	100	124.7
Apr 2011	1111	18.7	643.00	1699	-2	136.07	255.0	137.9	100	124.2
May 2011	969	15.8	643.00	1699	0	136.04	255.0	121.1	100	125.0
Jun 2011	894	15.0	642.00	1671	-27	135.51	255.0	111.6	100	124.8
Jul 2011	886	14.4	641.50	1658	-14	134.73	255.0	110.1	100	124.3

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	635	10.3	448.54	590	13	0.00	105.6	41.9	88	66.0
H Sep 2008	519	8.7	448.19	584	-7	0.00	91.2	38.6	76	74.3
WY 2008	6692							453.4		
I Oct 2008	452	7.4	446.55	553	-31	0.00	90.0	31.2	75	68.9
S Nov 2008	379	6.4	447.54	571	18	0.00	90.0	26.2	75	69.1
T Dec 2008	236	3.8	446.81	558	-14	0.00	85.2	15.3	71	64.7
O Jan 2009	379	6.2	446.67	555	-3	0.00	78.0	25.9	65	68.2
R Feb 2009	397	7.2	446.08	544	-11	0.00	90.0	27.2	75	68.5
I Mar 2009	736	12.0	446.75	556	12	0.00	87.6	49.2	73	66.8
C Apr 2009	784	13.2	448.75	595	38	0.00	111.6	53.8	93	68.6
A May 2009	647	10.5	448.71	594	-1	0.00	120.0	44.9	100	69.4
L Jun 2009	595	10.0	448.49	590	-4	0.00	120.0	41.3	100	69.5
* Jul 2009	655	10.6	448.11	582	-7	0.00	120.0	43.4	100	66.3
Aug 2009	592	9.6	447.50	571	-12	75.18	120.0	38.8	100	65.5
Sep 2009	539	9.1	446.80	557	-13	75.95	90.0	35.7	75	66.2
WY 2009	6392							432.7		
Oct 2009	448	7.3	446.31	548	-9	75.37	90.0	29.2	75	65.2
Nov 2009	360	6.0	446.50	552	3	76.73	64.8	23.7	54	65.9
Dec 2009	293	4.8	446.50	552	0	75.32	90.0	18.6	75	63.5
Jan 2010	342	5.6	446.50	552	0	76.35	72.0	22.3	60	65.1
Feb 2010	458	8.2	446.50	552	0	75.38	88.8	30.0	74	65.6
Mar 2010	717	11.7	446.70	555	4	74.01	120.0	46.6	100	65.0
Apr 2010	822	13.8	448.71	594	38	75.09	120.0	54.3	100	66.1
May 2010	699	11.4	448.71	594	0	76.06	120.0	46.5	100	66.5
Jun 2010	666	11.2	448.71	594	0	76.06	120.0	44.2	100	66.4
Jul 2010	723	11.8	448.00	580	-14	75.72	120.0	47.9	100	66.3
Aug 2010	626	10.2	447.50	571	-10	75.13	120.0	41.1	100	65.6
Sep 2010	539	9.1	446.80	557	-13	74.55	120.0	35.0	100	64.9
WY 2010	6695							439.5		
Oct 2010	448	7.3	446.31	548	-9	73.97	120.0	28.6	100	63.9
Nov 2010	361	6.1	446.50	552	3	74.98	94.8	23.2	79	64.2
Dec 2010	295	4.8	446.50	552	0	73.92	120.0	18.4	100	62.5
Jan 2011	341	5.5	446.50	552	0	74.71	102.0	21.7	85	63.7
Feb 2011	452	8.1	446.50	552	0	74.60	104.4	29.3	87	64.8
Mar 2011	718	11.7	446.70	555	4	74.01	120.0	46.6	100	65.0
Apr 2011	821	13.8	448.71	594	38	75.09	120.0	54.3	100	66.1
May 2011	700	11.4	448.71	594	0	76.06	120.0	46.5	100	66.5
Jun 2011	664	11.2	448.71	594	0	76.06	120.0	44.1	100	66.4
Jul 2011	722	11.7	448.00	580	-14	75.72	120.0	47.9	100	66.3

OPERATION PLAN FOR COLORADO RIVER SYSTYM RESERVOIRS

Bureau of Reclamation - CRFS 8/2009 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
* Aug 2008	400	36	36	42	22	8
H Sep 2008	323	34	34	41	21	5
Summer 2008	724	70	71	83	43	13
I Oct 2008	334	27	25	30	17	5
S Nov 2008	267	25	9	12	6	4
T Dec 2008	355	30	10	14	7	2
O Jan 2009	352	31	11	15	6	4
R Feb 2009	262	24	12	15	4	3
I Mar 2009	271	20	14	15	10	3
Winter 2009	1840	156	81	101	50	21
C Apr 2009	260	19	17	24	16	3
A May 2009	256	57	33	55	23	4
L Jun 2009	301	38	54	66	22	8
* Jul 2009	371	47	45	53	22	8
Aug 2009	343	46	37	44	22	9
Sep 2009	254	44	29	35	18	7
Summer 2009	1785	251	215	277	122	39
Oct 2009	263	41	18	22	12	1
Nov 2009	294	39	9	11	6	0
Dec 2009	363	40	36	44	22	6
Jan 2010	403	41	28	36	18	6
Feb 2010	335	36	16	21	10	5
Mar 2010	376	40	11	15	8	5
Winter 2010	2034	237	118	149	76	24
Apr 2010	416	39	12	20	12	6
May 2010	419	56	19	32	23	7
Jun 2010	440	67	21	32	21	9
Jul 2010	452	37	36	44	23	10
Aug 2010	429	37	38	45	23	10
Sep 2010	255	36	32	39	20	4
Summer 2010	2411	272	158	212	123	44
Oct 2010	263	37	18	22	12	5
Nov 2010	256	36	9	11	6	6
Dec 2010	340	37	35	43	21	6
Jan 2011	423	38	27	34	17	6
Feb 2011	336	33	17	23	12	5
Mar 2011	335	37	12	17	9	5
Winter 2011	1953	219	117	149	77	32
Apr 2011	335	36	15	24	13	5
May 2011	420	52	22	36	23	7
Jun 2011	427	68	22	33	22	9
Jul 2011	432	41	35	42	23	10

model_run_id = 2026

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 * * * *																			
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2009	275	44	274	8182	8776	16402	25177	275	44	274	594	8182	16402	25177	1500	749	0	35.3
SEP	2009	319	102	309	8325	9054	16355	25410	319	102	309	730	8325	16355	25410	2270	642	0	35.0
OCT	2009	391	147	313	8384	9236	16415	25651	391	147	313	851	8384	16415	25651	3040	510	0	34.8
NOV	2009	451	162	312	8464	9388	16330	25718	451	162	312	924	8464	16330	25718	3810	602	0	34.7
DEC	2009	509	158	311	8652	9630	16251	25881	509	158	311	979	8652	16251	25881	4580	615	0	34.6
JAN	2010	575	248	321	8928	10072	16026	26098	575	248	321	1144	8928	16026	26098	5350	675	0	34.4
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2010	575	248	321	8928	10072	16026	26098	209	248	169	626	8928	16026	25579	5350	675	0	34.4
FEB	2010	649	319	332	9344	10644	15688	26332	281	319	179	780	9344	15688	25811	1500	673	0	34.2
MAR	2010	709	350	335	9671	11066	15488	26554	340	350	181	871	9671	15488	26031	1500	1004	0	33.9
APR	2010	749	356	294	9929	11328	15551	26879	377	356	134	867	9929	15551	26347	1500	1139	0	33.8
MAY	2010	740	322	215	10085	11362	15673	27034	363	322	37	721	10085	15673	26478	1500	1004	0	34.9
JUN	2010	673	186	233	9141	10232	15687	25919	286	180	22	488	9141	15687	25316	1500	897	0	36.5
JUL	2010	496	13	301	7868	8678	15621	24299	94	-17	43	119	7868	15621	23608	1500	898	0	36.6
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2010	420	27	308	7881	8636	15520	24156	420	27	308	755	7881	15520	24156	1500	816	0	36.3
SEP	2010	448	84	319	8292	9143	15349	24492	448	84	319	851	8292	15349	24492	2270	673	0	35.9
OCT	2010	498	141	319	8366	9324	15436	24760	498	141	319	958	8366	15436	24760	3040	448	0	35.7
NOV	2010	548	160	313	8443	9464	15291	24755	548	160	313	1021	8443	15291	24755	3810	511	0	35.7
DEC	2010	599	157	313	8507	9576	15208	24784	599	157	313	1069	8507	15208	24784	4580	526	0	35.7
JAN	2011	665	248	323	8740	9976	14947	24923	665	248	323	1236	8740	14947	24923	5350	674	0	35.6
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2011	665	248	323	8740	9976	14947	24923	377	248	217	842	8740	14947	24529	5350	674	0	35.6
FEB	2011	731	314	333	9201	10579	14568	25147	441	314	227	981	9201	14568	24750	1500	667	0	35.4
MAR	2011	779	350	332	9520	10981	14364	25346	487	350	225	1062	9520	14364	24946	1500	1004	0	35.1
APR	2011	781	357	285	9745	11169	14524	25693	485	357	172	1015	9745	14524	25284	1500	1137	0	34.9
MAY	2011	744	340	189	9792	11065	14833	25897	441	340	57	838	9792	14833	25462	1500	1004	0	35.9
JUN	2011	634	214	202	9009	10060	14849	24909	321	211	38	570	9009	14849	24429	1500	894	0	37.5
JUL	2011	437	38	260	7725	8460	14813	23272	107	11	48	166	7725	14813	22704	1500	896	0	37.8