

February 24-Month Study
Date: February 11, 2010

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

Current Reservoir Status

Reservoir	January Inflow (unregulated) (acre-feet)	Percent of Average (%)	February 10 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	28,000	90	6475.77	145,000
Flaming Gorge	27,000	60	6025.99	3,197,000
Blue Mesa	22,000	88	7486.28	553,000
Powell	304,000	75	3621.52	13,925,000
Navajo	14,000	62	6049.66	1,222,000

Expected Operations

The operation of Lake Powell and Lake Mead in this February 2010 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 2010 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2009 24-Month Study projections of the January 1, 2010 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead.

The operational tier for water year 2010 for the coordinated operation of Lake Powell and Lake Mead is the Upper Elevation Balancing Tier with a corresponding annual release from Lake Powell of 8.23 maf. Under this operational tier, an adjustment to the water year operation of Lake Powell can occur in April based on the April 24-Month Study projection of the September 30 system storage and reservoir water surface elevations.

The February 2010 24-Month Study, with a water year release volume from Lake Powell of 8.23 million acre-feet (maf), projects that the Lake Powell end of water year 2010 water surface elevation will be 3,634.80 feet above sea level which is below the 2010 Equalization Elevation of 3,642 feet. For this reason, the February 2010 24-Month Study projects that an April adjustment to the Equalization Tier in 2010 is not likely to occur under the currently forecasted most probable hydrologic conditions.

Basin hydrology can vary significantly through the winter and there is uncertainty in forecasting snow pack conditions. An April adjustment to the Equalization Tier is still possible if forecasted runoff conditions improve significantly between now and April. Based on analysis of recently updated possible inflow scenarios, the probability of an April adjustment to the Equalization Tier in 2010 is approximately 25 percent.

The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2010.

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.
The 2010 AOP is available for download at <http://www.usbr.gov/lc/region/g4000/AOP2010/AOP10.pdf>

Fontenelle Reservoir – Inflows for the month of January were 28,000 acre-feet, or 91% of average. The reservoir elevation is 6477 feet above sea level and 44% of capacity. The reservoir elevation is declining and will continue to decline through the winter months until spring runoff. Inflows to Fontenelle Reservoir are currently averaging 400 cfs and releases are 980 cfs. Basin snowpack is 56% of average for this time of year.

The 2010 water supply forecast for the April to July runoff season is 525,000 acre-feet (61% of average). Inflows over the next three months are forecasted to be below average: 26,000 acre-ft, 44,000 acre-ft, and 70,000 acre-ft for February, March, and April, respectively.

The next Fontenelle Working Group meeting is scheduled for April 27, 2010 at 10:00 am at the Seedskaadee National Wildlife Refuge visitor's center. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir – January observed unregulated inflow into Flaming Gorge reservoir was 27,000 acre-feet (AF), or 62 percent of average inflow. The January end of month elevation was 6027.3 feet, which equates to 3.21 million acre-feet or 85 percent of live storage capacity.

Releases out of Flaming Gorge are currently fluctuating around a 1,550 cfs daily average. The final February forecast for April through July unregulated inflow into Flaming Gorge Reservoir was 57 percent of average, a decrease from 65 percent of average in January. Snowpack in the Upper Green River Basin has been hovering around 56 percent. With the current snowpack and decrease forecast, March releases will be decreased to 900 cfs daily average.

The next Flaming Gorge Working Group meeting is scheduled for April 27, 2010, 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 Reservoir Unit – January unregulated inflow into Blue Mesa Reservoir was 22,000 acre-feet or 87 percent of average. On February 12 the basin snowpack was averaging 89 percent, which is slightly up from 85 percent on January 12th. Precipitation during January was 90 percent of average, while December's precipitation was recorded at 125 percent of average. The current inflow rate into Blue Mesa Reservoir is about 400 cfs while reservoir releases are averaging about 800 cfs. This past fall and early winter months has seen below average reservoir inflows. Blue Mesa's present elevation is 7486.64 feet, which corresponds to a storage content of about 555,000 acre-feet. This elevation is about 7 feet higher than last year's elevation.

The Colorado Basin River Forecast Center's February water supply forecast for Blue Mesa for the April to July runoff season is 600,000 acre-feet (83% of average) which is an increase of 25,000 acre-feet from last month's forecast. Based on this forecast, Blue Mesa Reservoir is projected to fill by early July 2010.

Releases from Crystal are currently set at 800 cfs. The Gunnison Diversion Tunnel was shut down for the season on October 30th, with the exception of some small 50 to 100 cfs diversions taken bi-weekly for municipal water needs in Montrose, Colorado. Reservoir releases may likely change as to changes in forecasted runoff.

The last meeting of the "Aspinall Unit Working Group" was held on January 21, 2010 in Montrose, Colorado. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2010 operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. For more information about these meetings please contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

Navajo Reservoir – Reclamation decreased the release from Navajo Reservoir to 500 cubic feet per second (cfs) on Tuesday, October 20th, which is still in effect. 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.

Pending significant changes in the weather and stream flow conditions, the reservoir release will likely remain at 500 cfs through this spring (2010).

Precipitation for the month of January in the San Juan River basin was about 150 percent of average. Unregulated inflow into Navajo Reservoir during the month of January was 13,600 acre-feet, or 60 percent of average. Currently, the daily reservoir inflow is averaging about 300 cfs. Diversions for NIIP have currently been shut down for the winter. The reservoir water surface elevation is at 6049.70 feet, which corresponds to a storage content of about 1,222,000 acre-feet.

A public meeting on Navajo Reservoir operations will be held on Tuesday, April 27, 2010 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and spring 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 volume into Lake Powell in January 2010 was just below what was forecasted at the beginning of January. The unregulated inflow to Lake Powell for the month of January was 304,000 acre-feet (75% of average). This was about 26,000 acre-feet below the unregulated inflow volume that was projected in the January 2010 24-Month Study. For this reason, the elevation of Lake Powell at the end of January was about 2 inches below what was projected in the January 2010 24-Month Study. The end of January Lake Powell elevation was 3622.14 feet above sea level which was over 4 feet lower than the elevation on January 1, 2010.

The release volume for January 2010 was 900,480 acre-feet. Daily peak releases for power generation in January were 17,500 cfs during the morning and afternoon with lows of approximately 9,500 cfs in the very early morning hours. In February 2010 the scheduled release volume for the month is 640,000 acre-feet. Peak releases each day for power generation in February will be approximately 14,000 cfs with lows of about 8,000 cfs.

In addition to the daily fluctuation pattern, instantaneous releases from Glen Canyon Dam also fluctuate to provide approximately 40 megawatts of system regulation to maintain stable conditions within the electrical generation and transmission system. These momentary fluctuations for regulation are very short lived and typically balance out over the hour. Glen Canyon Dam also provides a level of reserve generation that can be called upon when unanticipated outages occur within the generation system. When an outage event occurs, reserve generation at Glen Canyon Dam can be called upon and this additional reserve generation is typically maintained for 2 hours or less.

The official Water Supply Forecast (April-July Unregulated Inflow Volume) for Lake Powell issued by the Colorado Basin River Forecast Center was updated during the first week of February and is now 5.8 million acre-feet (maf) which is 73% of average. The

January official forecast for Lake Powell unregulated inflow was 6.2 maf which was 78% of average.

Based on the updated February forecast, the February 2010 24-Month Study projects that the water year release volume from Lake Powell will likely be 8.23 maf pursuant to the Interim Guidelines. However, the operating tier for Glen Canyon Dam in water year 2010 is Upper Elevation Balancing and under this tier there is a possibility for an April adjustment to the operational plan which could incorporate either Equalization releases or Balancing releases. Given the current conditions of Lake Powell and Lake Mead, it is possible, if hydrologic conditions become wetter than what is currently projected, that an April adjustment to Equalization could occur. If this adjustment were to occur in April, the projected water year release from Glen Canyon Dam could be greater than 10.5 maf.

As of early February, given the hydrologic conditions within the Colorado River Basin and the range of possible inflow scenarios that could occur in 2010, Reclamation estimates that there is about a 25% probability that an April adjustment to Equalization will occur. This estimate is based on many factors that are changing through time. Reclamation will update this estimated probability each month to provide stakeholders some probabilistic estimate of the possibility that Equalization will occur in water year 2010.

Upper Colorado River Basin Hydrology

In the Upper Colorado River Basin during water year 2009, the overall precipitation accumulated through September 30, 2009 was approximately 95% of average based on the 30 year average for the period from 1971 through 2000. For water year 2010 the dry conditions have persisted. Estimated percentages of average precipitation for the months thus far in water year 2010 are as follows: October 85%, November 40%, December 130%, January 100%.

The Climate Prediction Center outlook (dated January 21, 2010) for temperature over the next 3 months indicates that temperatures in the northern reaches of the Upper Colorado River Basin have an increased probability of being above average. Accumulated precipitation over the next 3 months are projected to be near average in the Upper Colorado River Basin (above Lake Powell) while are projected to be above average in the Lower Colorado River Basin (below Lake Powell).

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, 2008 and 2009, drought conditions eased somewhat with net gains in storage to Lake Powell. As of February 9, 2010 the storage in Lake Powell was 13.93 million acre-feet (57.29 percent of capacity) which is still below desired levels while the overall reservoir storage in the Colorado River Basin as of February 9, 2010 is 33.14 million acre-feet (55.72 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				nov	Forecast				
:	sep	oct	nov	dec	%Avg	jan	feb	mar	apr-jul	%Avg
GLDA3:Lake Powell	342	418	309	304	75%:	325/	525/	800/	5800/:	73%
GBRW4:Fontenelle	48	42	31	28	91%:	26/	44/	70/	525/:	61%
GRNU1:Flaming Gorge	45	47	19.0	28	62%:	31/	62/	90/	675/:	57%
BMDC2:Blue Mesa	33	27	21	22	87%:	20/	28/	80/	600/:	83%
MPSC2:Morrow Point	34	29	22	24	86%:	23/	32/	90/	655/:	83%
CLSC2:Crystal	36	32	25	26	80%:	27/	37/	100/	735/:	80%
TPIC2:Taylor Park	6.7	4.7	3.9	4.2	96%:	3.5/	3.5/	9/	85/:	83%
VCRC2:Vallecito	8.2	4.4	3.7	4.0	77%:	3/	4.5/	18/	210/:	102%
NVRN5:Navajo	15.2	13.7	11.2	13.6	60%:	18/	65/	150/	800/:	102%
LEMC2:Lemon	1.07	0.77	0.61	0.58	64%:	0.5/	0.85/	4/	60/:	103%
MPHC2:McPhee	3.1	2.2	2.5	2.7	60%:	3/	15/	60/	305/:	95%
RBSC2:Ridgway	6.9	5.6	3.4	3.2	84%:	/	/	/	92/:	90%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	27	0	53	0	53	6471.15	124
H Mar 2009	46	0	59	0	59	6467.98	111
I Apr 2009	91	1	57	0	57	6475.63	145
S May 2009	152	1	62	1	64	6490.46	231
T Jun 2009	477	3	91	285	376	6504.01	330
O Jul 2009	247	3	88	145	233	6505.36	341
R Aug 2009	72	2	98	6	104	6500.99	306
I Sep 2009	37	2	66	0	66	6496.84	276
WY 2009	1295	15	773	485	1258		
C Oct 2009	48	1	51	11	62	6494.68	260
A Nov 2009	42	1	0	62	62	6491.61	239
L Dec 2009	31	1	0	70	71	6485.42	198
* Jan 2010	28	1	38	30	69	6478.10	157
Feb 2010	26	0	54	0	54	6472.03	128
Mar 2010	44	0	60	0	60	6468.11	111
Apr 2010	70	1	58	0	58	6470.76	122
May 2010	115	1	80	0	80	6477.98	156
Jun 2010	220	2	77	0	77	6499.72	297
Jul 2010	120	3	77	0	77	6504.94	337
Aug 2010	62	2	77	0	77	6502.76	320
Sep 2010	42	2	39	28	67	6499.22	293
WY 2010	847	15	613	202	815		
Oct 2010	49	1	55	15	69	6496.20	271
Nov 2010	41	1	67	0	67	6492.43	244
Dec 2010	32	1	69	0	69	6486.67	206
Jan 2011	30	1	69	0	69	6479.98	167
Feb 2011	28	0	63	0	63	6472.73	131
Mar 2011	52	0	69	0	69	6468.47	113
Apr 2011	89	1	83	0	83	6469.77	118
May 2011	176	1	99	5	105	6483.78	188
Jun 2011	307	2	103	90	193	6500.14	300
Jul 2011	185	3	101	38	138	6505.82	344
Aug 2011	82	2	99	5	105	6502.71	320
Sep 2011	48	2	36	32	68	6499.91	298
WY 2011	1120	15	915	185	1100		
Oct 2011	49	1	70	0	70	6496.78	275
Nov 2011	41	1	68	0	68	6492.91	248
Dec 2011	32	1	70	0	70	6487.04	209
Jan 2012	30	1	70	0	70	6480.24	168

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	37	64	2	62	0	62	119	6019.63	2967	0	104
H Mar 2009	62	75	3	52	0	52	120	6020.18	2987	0	140
I Apr 2009	127	93	5	50	0	50	122	6021.21	3024	0	312
S May 2009	212	125	7	150	0	150	120	6020.33	2993	758	883
T Jun 2009	573	472	10	96	0	96	134	6029.83	3357	517	624
O Jul 2009	284	271	14	117	0	117	140	6033.29	3478	109	247
R Aug 2009	74	106	13	124	0	124	139	6032.53	3448	21	161
I Sep 2009	45	74	11	120	0	120	136	6031.12	3392	14	144
WY 2009	1564	1527	79	1065	0	1065					3709
C Oct 2009	45	59	7	109	0	109	134	6029.69	3337	0	152
A Nov 2009	47	67	4	104	0	104	133	6028.67	3298	0	0
L Dec 2009	19	59	2	107	1	108	131	6027.38	3249	0	505
* Jan 2010	27	68	2	109	0	109	129	6026.29	3208	0	669
Feb 2010	31	59	2	87	0	87	128	6025.53	3180	0	87
Mar 2010	62	78	3	63	0	63	128	6025.85	3192	0	63
Apr 2010	90	78	5	54	0	54	129	6026.36	3211	0	54
May 2010	170	135	8	124	0	124	129	6026.44	3214	0	124
Jun 2010	270	127	10	169	0	169	127	6025.11	3164	0	169
Jul 2010	145	102	13	80	0	80	128	6025.34	3173	0	80
Aug 2010	74	89	12	80	0	80	127	6025.25	3170	0	80
Sep 2010	51	76	11	77	0	77	127	6024.94	3158	0	77
WY 2010	1031	998	79	1162	1	1163					2059
Oct 2010	59	80	7	80	0	80	127	6024.75	3151	0	80
Nov 2010	51	77	3	77	0	77	127	6024.64	3147	0	77
Dec 2010	36	73	2	80	0	80	126	6024.43	3139	0	80
Jan 2011	41	80	2	80	0	80	126	6024.39	3138	0	80
Feb 2011	45	80	2	72	0	72	126	6024.55	3143	0	72
Mar 2011	103	121	3	80	0	80	128	6025.55	3180	0	80
Apr 2011	142	136	5	77	0	77	130	6026.93	3232	0	77
May 2011	263	192	8	134	0	134	132	6028.20	3280	0	134
Jun 2011	400	286	11	182	0	182	136	6030.55	3370	0	182
Jul 2011	219	172	14	114	0	114	137	6031.65	3413	0	114
Aug 2011	96	119	13	114	0	114	137	6031.46	3406	0	114
Sep 2011	58	78	11	110	0	110	135	6030.38	3364	0	110
WY 2011	1515	1494	80	1200	0	1200					1200
Oct 2011	59	81	7	114	0	114	134	6029.37	3325	0	114
Nov 2011	51	77	3	110	0	110	132	6028.47	3290	0	110
Dec 2011	36	74	2	114	0	114	131	6027.42	3251	0	114
Jan 2012	41	81	2	114	0	114	129	6026.54	3217	0	114

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	4	5	9310.95	71
H Mar 2009	4	5	9310.68	71
I Apr 2009	11	5	9314.31	77
S May 2009	46	20	9328.38	103
T Jun 2009	37	35	9329.45	105
O Jul 2009	16	26	9324.35	95
R Aug 2009	7	19	9317.78	83
I Sep 2009	6	15	9312.44	74
WY 2009	153	152		
C Oct 2009	7	8	9311.60	72
A Nov 2009	5	6	9310.68	71
L Dec 2009	4	6	9309.18	69
* Jan 2010	4	6	9307.90	67
Feb 2010	3	6	9306.52	65
Mar 2010	3	6	9304.69	62
Apr 2010	9	8	9305.71	63
May 2010	26	14	9313.31	75
Jun 2010	37	16	9324.98	96
Jul 2010	13	20	9321.28	89
Aug 2010	8	19	9315.09	78
Sep 2010	6	15	9309.61	69
WY 2010	125	130		
Oct 2010	6	8	9308.43	67
Nov 2010	5	6	9307.75	66
Dec 2010	4	6	9306.76	65
Jan 2011	4	6	9305.54	63
Feb 2011	4	6	9303.99	61
Mar 2011	4	6	9302.77	59
Apr 2011	8	8	9303.35	60
May 2011	27	14	9311.93	73
Jun 2011	43	16	9326.85	100
Jul 2011	20	20	9327.06	100
Aug 2011	10	22	9320.77	88
Sep 2011	7	15	9316.27	80
WY 2011	144	132		
Oct 2011	6	10	9314.02	76
Nov 2011	5	6	9313.38	75
Dec 2011	4	6	9312.47	74
Jan 2012	4	6	9311.36	72

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	24	24	0	42	0	42	7486.19	552
H Mar 2009	40	40	0	49	0	49	7484.97	543
I Apr 2009	104	99	1	61	0	61	7489.84	580
S May 2009	344	317	1	110	10	120	7513.48	776
T Jun 2009	229	227	1	172	3	175	7519.02	826
O Jul 2009	95	105	2	144	0	144	7514.49	785
R Aug 2009	42	54	1	128	0	128	7505.79	710
I Sep 2009	26	35	1	93	0	93	7498.71	651
WY 2009	1017	1016	9	993	13	1006		
C Oct 2009	33	34	1	81	0	81	7492.82	603
A Nov 2009	27	28	0	28	0	28	7492.84	604
L Dec 2009	21	23	0	47	0	47	7489.73	579
* Jan 2010	22	24	0	43	0	43	7487.22	560
Feb 2010	20	22	0	34	0	34	7485.63	548
Mar 2010	28	31	0	33	0	33	7485.27	545
Apr 2010	80	79	1	58	0	58	7487.87	565
May 2010	195	183	1	100	0	100	7498.23	647
Jun 2010	245	224	1	67	0	67	7516.39	802
Jul 2010	80	87	2	105	0	105	7514.21	783
Aug 2010	47	58	1	111	0	111	7508.07	729
Sep 2010	32	41	1	94	0	94	7501.61	675
WY 2010	830	834	9	802	0	802		
Oct 2010	36	37	1	62	0	62	7498.56	650
Nov 2010	31	32	0	29	0	29	7498.91	652
Dec 2010	25	27	0	97	0	97	7490.00	581
Jan 2011	24	26	0	92	0	92	7481.30	516
Feb 2011	22	24	0	60	0	60	7476.31	479
Mar 2011	34	36	0	43	0	43	7475.26	472
Apr 2011	73	72	1	50	0	50	7478.31	494
May 2011	212	199	1	74	0	74	7494.61	618
Jun 2011	271	244	1	68	0	68	7515.28	792
Jul 2011	121	120	2	109	0	109	7516.40	802
Aug 2011	62	74	1	122	0	122	7510.81	753
Sep 2011	36	44	1	113	0	113	7502.63	683
WY 2011	946	935	9	918	0	918		
Oct 2011	36	39	1	65	0	65	7499.48	657
Nov 2011	31	32	0	36	0	36	7498.91	652
Dec 2011	25	27	0	97	0	97	7490.00	581
Jan 2012	24	26	0	92	0	92	7481.30	516

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	24	42	1	43	0	45	0	45	7145.98	106
H Mar 2009	42	49	2	51	0	43	6	49	7147.72	107
I Apr 2009	119	61	14	75	0	69	0	69	7155.78	114
S May 2009	377	120	34	154	0	153	2	155	7154.23	112
T Jun 2009	241	175	12	188	0	184	0	184	7158.19	116
O Jul 2009	97	144	2	146	0	148	0	148	7155.33	113
R Aug 2009	42	128	0	128	0	129	0	129	7154.90	113
I Sep 2009	27	93	1	94	0	100	0	100	7146.95	107
WY 2009	1088	1006	70	1077	1	1074	8	1083		
C Oct 2009	34	81	1	82	0	81	0	81	7148.23	108
A Nov 2009	29	28	2	30	0	27	0	27	7152.38	111
L Dec 2009	22	47	1	48	0	47	0	47	7153.12	112
* Jan 2010	24	43	2	45	0	47	0	47	7150.49	109
Feb 2010	23	34	3	37	0	34	0	34	7153.73	112
Mar 2010	31	33	3	36	0	36	0	36	7153.73	112
Apr 2010	90	58	10	68	0	68	0	68	7153.73	112
May 2010	215	100	20	120	0	120	0	120	7153.73	112
Jun 2010	265	67	20	87	0	87	0	87	7153.73	112
Jul 2010	85	105	5	110	0	110	0	110	7153.73	112
Aug 2010	51	111	4	115	0	115	0	115	7153.73	112
Sep 2010	35	94	3	97	0	97	0	97	7153.73	112
WY 2010	903	802	74	875	0	870	0	870		
Oct 2010	38	62	3	65	0	65	0	65	7153.73	112
Nov 2010	33	29	2	31	0	31	0	31	7153.73	112
Dec 2010	27	97	2	100	0	100	0	100	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	50	11	61	0	61	0	61	7153.73	112
May 2011	237	74	25	99	0	99	0	99	7153.73	112
Jun 2011	292	68	21	89	0	89	0	89	7153.73	112
Jul 2011	127	109	7	115	0	115	0	115	7153.73	112
Aug 2011	65	122	4	126	0	126	0	126	7153.73	112
Sep 2011	39	113	3	116	0	116	0	116	7153.73	112
WY 2011	1032	918	86	1004	0	1004	0	1004		
Oct 2011	38	65	3	68	0	68	0	68	7153.73	112
Nov 2011	33	36	2	38	0	38	0	38	7153.73	112
Dec 2011	27	97	2	100	0	100	0	100	7153.73	112
Jan 2012	26	92	2	94	0	94	0	94	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	28	45	3	48	24	20	45	6752.05	17	1	46
H Mar 2009	47	49	5	55	55	0	55	6751.30	16	10	47
I Apr 2009	130	69	12	81	80	0	80	6752.70	17	36	48
S May 2009	431	155	53	208	120	88	208	6752.57	17	55	160
T Jun 2009	264	184	23	207	116	91	207	6753.30	17	59	160
O Jul 2009	104	148	7	156	128	30	158	6743.22	14	68	101
R Aug 2009	44	129	2	131	130	0	130	6746.30	15	67	72
I Sep 2009	29	100	2	102	102	0	102	6746.55	15	63	46
WY 2009	1209	1083	121	1204	964	238	1202			416	857
C Oct 2009	36	81	3	84	72	10	82	6751.89	17	49	36
A Nov 2009	32	27	3	29	31	0	31	6747.51	15	1	31
L Dec 2009	25	47	3	51	52	0	52	6743.59	14	1	53
* Jan 2010	26	47	3	50	49	0	49	6745.38	15	1	50
Feb 2010	27	34	4	38	36	0	36	6753.04	17	0	36
Mar 2010	37	36	6	42	42	0	42	6753.04	17	5	37
Apr 2010	100	68	10	78	78	0	78	6753.04	17	30	48
May 2010	245	120	30	150	134	16	150	6753.04	17	55	95
Jun 2010	295	87	30	117	117	0	117	6753.04	17	60	57
Jul 2010	95	110	10	120	120	0	120	6753.04	17	65	55
Aug 2010	57	115	6	121	121	0	121	6753.04	17	65	56
Sep 2010	40	97	5	102	102	0	102	6753.04	17	55	47
WY 2010	1015	870	112	982	954	26	980			386	601
Oct 2010	44	65	6	71	71	0	71	6753.04	17	30	41
Nov 2010	38	31	5	36	36	0	36	6753.04	17	0	36
Dec 2010	32	100	5	104	104	0	104	6753.04	17	0	104
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	61	12	73	73	0	73	6753.04	17	30	43
May 2011	272	99	35	134	134	0	134	6753.04	17	55	79
Jun 2011	330	89	38	127	127	0	127	6753.04	17	60	67
Jul 2011	144	115	17	132	132	0	132	6753.04	17	65	67
Aug 2011	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2011	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2011	1183	1004	150	1155	1155	0	1155			365	790
Oct 2011	44	68	6	74	74	0	74	6753.04	17	30	44
Nov 2011	38	38	5	43	43	0	43	6753.04	17	0	43
Dec 2011	32	100	5	104	104	0	104	6753.04	17	0	104
Jan 2012	31	94	5	99	99	0	99	6753.04	17	0	99

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	5	2	7645.61	77
H Mar 2009	8	4	7647.33	81
I Apr 2009	22	10	7652.11	92
S May 2009	98	66	7664.50	124
T Jun 2009	44	43	7664.64	124
O Jul 2009	19	39	7656.79	104
R Aug 2009	8	39	7643.59	72
I Sep 2009	8	30	7632.32	49
WY 2009	237	254		
C Oct 2009	8	13	7629.82	44
A Nov 2009	4	3	7630.41	45
L Dec 2009	4	3	7630.60	46
* Jan 2010	4	3	7631.27	47
Feb 2010	3	3	7631.34	47
Mar 2010	5	3	7632.02	48
Apr 2010	18	10	7636.06	56
May 2010	75	32	7654.60	98
Jun 2010	88	61	7664.73	125
Jul 2010	29	43	7659.23	110
Aug 2010	18	43	7649.01	85
Sep 2010	17	32	7642.31	69
WY 2010	273	249		
Oct 2010	14	20	7639.06	62
Nov 2010	8	6	7640.14	65
Dec 2010	6	5	7640.77	66
Jan 2011	5	5	7641.00	66
Feb 2011	5	4	7641.17	67
Mar 2011	8	5	7642.67	70
Apr 2011	22	12	7646.97	80
May 2011	69	50	7654.80	99
Jun 2011	78	64	7659.97	112
Jul 2011	31	43	7655.02	99
Aug 2011	19	39	7646.56	79
Sep 2011	17	29	7641.00	66
WY 2011	282	282		
Oct 2011	14	19	7638.41	61
Nov 2011	8	6	7639.50	63
Dec 2011	6	5	7640.14	65
Jan 2012	5	5	7640.37	65

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	28	1	24	1	0	28	6052.85	1260	50
H Mar 2009	76	6	65	2	5	31	6055.13	1288	61
I Apr 2009	125	19	97	2	19	30	6058.76	1337	69
S May 2009	361	52	275	4	29	59	6072.47	1515	251
T Jun 2009	146	24	120	5	36	115	6069.92	1479	184
O Jul 2009	29	4	43	5	43	53	6065.70	1422	77
R Aug 2009	-11	0	20	4	42	49	6059.96	1347	64
I Sep 2009	5	0	28	3	22	37	6057.30	1314	52
WY 2009	850	106	760	28	209	528			1002
C Oct 2009	15	0	21	2	13	37	6054.76	1283	51
A Nov 2009	14	0	13	1	0	29	6053.34	1265	49
L Dec 2009	11	0	11	1	0	31	6051.61	1245	48
* Jan 2010	14	0	12	1	0	30	6050.04	1226	53
Feb 2010	18	0	18	1	0	28	6049.11	1215	28
Mar 2010	65	0	63	1	4	31	6051.39	1242	31
Apr 2010	150	27	115	2	16	30	6056.89	1309	30
May 2010	310	42	225	4	28	85	6065.33	1417	85
Jun 2010	285	35	223	4	43	147	6067.47	1446	147
Jul 2010	55	6	63	5	45	31	6066.20	1429	31
Aug 2010	35	1	59	4	38	31	6065.15	1415	31
Sep 2010	38	1	52	3	21	30	6064.99	1413	30
WY 2010	1010	113	875	28	210	538			612
Oct 2010	40	2	46	2	8	31	6065.40	1418	31
Nov 2010	33	0	30	1	0	30	6065.37	1418	30
Dec 2010	24	0	22	1	0	31	6064.68	1408	31
Jan 2011	22	0	21	1	0	31	6063.91	1398	31
Feb 2011	30	0	30	1	0	28	6063.97	1399	28
Mar 2011	88	2	83	2	4	31	6067.45	1446	31
Apr 2011	174	16	148	3	17	34	6074.24	1540	34
May 2011	279	33	226	4	29	200	6073.75	1533	200
Jun 2011	246	29	203	5	44	212	6069.66	1476	212
Jul 2011	74	7	79	5	47	31	6069.43	1473	31
Aug 2011	43	3	61	4	40	31	6068.43	1459	31
Sep 2011	42	1	53	3	22	30	6068.31	1457	30
WY 2011	1096	93	1002	30	210	718			718
Oct 2011	40	1	44	2	8	31	6068.62	1461	31
Nov 2011	33	0	30	1	0	30	6068.58	1461	30
Dec 2011	24	0	22	1	0	31	6067.91	1452	31
Jan 2012	22	0	21	1	0	31	6067.15	1442	31

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	323	377	9	602	0	602	3612.05	17300	12938	612
H Mar 2009	470	445	16	626	0	626	3610.43	17268	12774	632
I Apr 2009	788	669	25	604	0	604	3611.26	17224	12858	611
S May 2009	2921	2446	31	582	0	582	3629.09	17163	14751	586
T Jun 2009	2701	2217	54	664	0	664	3640.49	17353	16061	670
O Jul 2009	1394	1219	67	803	0	803	3641.14	17625	16138	828
R Aug 2009	323	536	66	802	0	802	3637.50	17721	15710	829
I Sep 2009	261	466	59	598	0	598	3635.37	17777	15463	613
WY 2009	10623	10107	437	8236	0	8236				8396
C Oct 2009	342	508	41	620	0	620	3633.52	17836	15251	634
A Nov 2009	418	492	39	692	0	692	3631.10	17872	14976	702
L Dec 2009	309	437	30	901	0	901	3626.22	17920	14434	925
* Jan 2010	304	426	9	900	0	900	3622.14	17879	13991	925
Feb 2010	325	400	10	640	0	640	3619.97	17861	13760	640
Mar 2010	525	501	17	600	0	600	3618.96	17852	13653	600
Apr 2010	800	664	26	600	0	600	3619.29	17855	13689	600
May 2010	1860	1565	32	600	0	600	3627.30	17924	14552	600
Jun 2010	2280	1940	52	600	0	600	3637.80	18019	15745	600
Jul 2010	860	846	65	800	0	800	3637.65	18018	15728	800
Aug 2010	430	535	64	800	0	800	3635.02	17994	15423	800
Sep 2010	405	508	59	477	0	477	3634.80	17992	15397	477
WY 2010	8857	8822	444	8230	0	8230				8303
Oct 2010	514	561	41	493	0	493	3635.02	17994	15423	493
Nov 2010	523	545	39	800	0	800	3632.64	17972	15151	800
Dec 2010	414	537	31	1000	0	1000	3628.57	17935	14694	1000
Jan 2011	384	500	9	1000	0	1000	3624.27	17898	14222	1000
Feb 2011	394	457	10	950	0	950	3619.93	17860	13756	950
Mar 2011	628	562	16	1000	0	1000	3615.91	17827	13335	1000
Apr 2011	950	755	25	1045	0	1045	3613.08	17803	13043	1045
May 2011	2161	1877	30	1100	0	1100	3619.73	17859	13735	1100
Jun 2011	2811	2429	50	1150	0	1150	3630.18	17950	14873	1150
Jul 2011	1346	1239	62	1275	0	1275	3629.37	17942	14782	1275
Aug 2011	566	674	60	1194	0	1194	3624.48	17899	14244	1194
Sep 2011	460	599	55	595	0	595	3624.05	17896	14197	595
WY 2011	11151	10733	428	11602	0	11602				11602
Oct 2011	514	597	38	615	0	615	3623.57	17891	14146	615
Nov 2011	523	585	36	600	0	600	3623.14	17888	14098	600
Dec 2011	414	571	29	800	0	800	3620.91	17869	13860	800
Jan 2012	384	533	9	800	0	800	3618.50	17848	13605	800

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	602	82	31	679	12.2	9	669	815	1111.43	12539
H Mar 2009	626	62	34	1037	16.9	17	1036	791	1107.40	12164
I Apr 2009	604	36	42	1174	19.7	20	1169	754	1101.26	11604
S May 2009	582	63	47	977	15.9	33	968	729	1096.92	11217
T Jun 2009	664	11	56	750	12.6	25	748	720	1095.26	11071
O Jul 2009	803	38	70	840	13.7	30	838	714	1094.20	10978
R Aug 2009	802	59	74	801	13.0	30	792	711	1093.73	10938
I Sep 2009	598	55	61	575	9.7	22	570	711	1093.68	10933
WY 2009	8236	651	585	9210		242	9119			
C Oct 2009	620	23	44	613	10.0	25	608	708	1093.26	10897
A Nov 2009	692	39	44	648	10.9	15	647	710	1093.52	10919
L Dec 2009	901	51	39	646	10.5	9	629	726	1096.30	11162
* Jan 2010	900	124	32	634	10.3	6	578	747	1100.02	11493
Feb 2010	640	134	30	351	6.3	24	351	770	1103.85	11839
Mar 2010	600	96	33	1041	16.9	32	1041	745	1099.59	11454
Apr 2010	600	74	41	1061	17.8	26	1061	717	1094.78	11029
May 2010	600	69	46	1016	16.5	35	1016	691	1090.13	10627
Jun 2010	600	24	54	902	15.2	33	902	668	1086.10	10284
Jul 2010	800	61	67	924	15.0	35	924	658	1084.25	10129
Aug 2010	800	110	71	831	13.5	36	831	657	1083.94	10103
Sep 2010	477	79	58	712	12.0	31	712	642	1081.17	9873
WY 2010	8230	885	560	9379		305	9300			
Oct 2010	493	73	42	458	7.5	42	458	643	1081.43	9894
Nov 2010	800	73	42	714	12.0	32	714	648	1082.39	9973
Dec 2010	1000	65	37	605	9.8	26	605	673	1086.84	10347
Jan 2011	1000	130	31	675	11.0	20	675	697	1091.30	10727
Feb 2011	950	134	29	665	12.0	21	665	720	1095.29	11073
Mar 2011	1000	96	32	1006	16.4	28	1006	722	1095.60	11101
Apr 2011	1045	74	40	1130	19.0	22	1130	717	1094.82	11032
May 2011	1100	69	46	996	16.2	32	996	723	1095.84	11122
Jun 2011	1150	24	57	850	14.3	29	850	737	1098.37	11345
Jul 2011	1275	61	72	888	14.4	31	888	759	1101.98	11669
Aug 2011	1194	110	77	811	13.2	32	811	782	1105.93	12029
Sep 2011	595	79	64	673	11.3	27	673	776	1105.00	11943
WY 2011	11602	988	570	9472		343	9472			
Oct 2011	615	73	47	450	7.3	39	450	786	1106.55	12086
Nov 2011	600	73	47	565	9.5	28	565	788	1106.88	12116
Dec 2011	800	65	41	547	8.9	22	547	803	1109.46	12356
Jan 2012	800	130	34	676	11.0	20	676	815	1111.48	12544

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	679	-8	629	0	629	11.3	642.29	1679
H Mar 2009	1037	-14	1035	0	1035	16.8	641.38	1655
I Apr 2009	1174	-14	1097	0	1097	18.4	643.11	1702
S May 2009	977	-5	916	0	916	14.9	644.36	1736
T Jun 2009	750	-3	788	0	788	13.2	641.92	1669
O Jul 2009	840	5	835	0	835	13.6	641.37	1654
R Aug 2009	801	-8	756	0	756	12.3	641.90	1669
I Sep 2009	575	2	726	0	726	12.2	635.60	1501
WY 2009	9210	-123	9008	0	9008			
C Oct 2009	613	-8	623	0	623	10.1	634.34	1469
A Nov 2009	648	-15	590	0	590	9.9	635.61	1502
L Dec 2009	646	-24	532	0	532	8.7	638.68	1582
* Jan 2010	634	-15	456	0	456	7.4	644.34	1736
Feb 2010	351	-5	427	0	427	7.7	641.00	1644
Mar 2010	1041	-13	974	0	974	15.8	642.50	1685
Apr 2010	1061	-11	1019	0	1019	17.1	643.00	1699
May 2010	1016	-13	981	0	981	16.0	643.00	1699
Jun 2010	902	-2	902	0	902	15.2	642.00	1671
Jul 2010	924	2	915	0	915	14.9	641.50	1658
Aug 2010	831	-2	806	0	806	13.1	641.50	1658
Sep 2010	712	2	789	0	789	13.3	638.00	1564
WY 2010	9379	-105	9014	0	9014			
Oct 2010	458	10	647	0	647	10.5	630.49	1371
Nov 2010	714	-7	582	0	582	9.8	635.00	1486
Dec 2010	605	-10	488	0	488	7.9	638.71	1583
Jan 2011	675	-13	570	0	570	9.3	641.80	1666
Feb 2011	665	-5	651	0	651	11.7	641.80	1666
Mar 2011	1006	-13	946	0	946	15.4	643.05	1700
Apr 2011	1130	-11	1103	0	1103	18.5	643.00	1699
May 2011	996	-13	960	0	960	15.6	643.00	1699
Jun 2011	850	-2	850	0	850	14.3	642.00	1671
Jul 2011	888	2	878	0	878	14.3	641.50	1658
Aug 2011	811	-2	787	0	787	12.8	641.50	1658
Sep 2011	673	2	750	0	750	12.6	638.00	1564
WY 2011	9472	-63	9212	0	9212			
Oct 2011	450	10	576	0	576	9.4	633.00	1434
Nov 2011	565	-7	496	0	496	8.3	635.00	1486
Dec 2011	547	-10	430	0	430	7.0	638.71	1583
Jan 2012	676	-13	571	0	571	9.3	641.80	1666

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	629	15	397	7.2	82	162	446.08	544	162	2.9
H Mar 2009	1035	11	736	12.0	99	180	446.75	557	208	3.4
I Apr 2009	1097	15	784	13.2	97	172	448.75	595	205	3.4
S May 2009	916	20	647	10.5	101	165	448.71	594	122	2.0
T Jun 2009	788	20	595	10.0	98	94	448.49	590	113	1.9
O Jul 2009	835	17	655	10.6	100	75	448.11	582	120	2.0
R Aug 2009	756	24	582	9.5	100	70	448.19	584	101	1.6
I Sep 2009	726	21	505	8.5	96	143	447.16	564	93	1.6
WY 2009	9008	180	6347		1070	1602			1584	
C Oct 2009	623	17	446	7.2	26	133	448.03	581	77	1.2
A Nov 2009	590	32	365	6.1	107	144	447.61	573	103	1.7
L Dec 2009	532	27	301	4.9	104	149	447.34	568	135	2.2
* Jan 2010	456	42	233	3.8	99	126	448.89	597	173	2.8
Feb 2010	427	39	334	6.0	78	87	446.50	552	153	2.8
Mar 2010	974	44	713	11.6	99	178	447.00	561	208	3.4
Apr 2010	1019	14	774	13.0	41	165	448.71	594	200	3.4
May 2010	981	8	699	11.4	109	158	448.71	594	113	1.8
Jun 2010	902	3	669	11.2	105	101	448.71	594	112	1.9
Jul 2010	915	12	716	11.6	109	84	448.00	580	118	1.9
Aug 2010	806	17	615	10.0	109	79	447.50	571	92	1.5
Sep 2010	789	14	527	8.9	105	159	446.81	557	89	1.5
WY 2010	9014	270	6392		1092	1563			1574	
Oct 2010	647	25	442	7.2	97	124	446.31	548	74	1.2
Nov 2010	582	27	371	6.2	68	151	446.50	552	103	1.7
Dec 2010	488	21	281	4.6	52	165	446.50	552	118	1.9
Jan 2011	570	35	344	5.6	85	165	446.50	552	122	2.0
Feb 2011	651	39	444	8.0	77	156	446.50	552	153	2.8
Mar 2011	946	44	709	11.5	85	173	446.70	555	208	3.4
Apr 2011	1103	14	810	13.6	83	166	448.71	594	200	3.4
May 2011	960	8	700	11.4	86	158	448.71	594	111	1.8
Jun 2011	850	3	651	10.9	83	90	448.71	594	112	1.9
Jul 2011	878	12	715	11.6	85	72	448.00	580	118	1.9
Aug 2011	787	17	630	10.2	85	68	447.50	571	92	1.5
Sep 2011	750	14	544	9.1	62	147	446.81	557	89	1.5
WY 2011	9212	259	6639		950	1636			1500	
Oct 2011	576	25	454	7.4	24	113	446.31	548	72	1.2
Nov 2011	496	27	369	6.2	24	111	446.50	552	105	1.8
Dec 2011	430	21	291	4.7	24	125	446.50	552	118	1.9
Jan 2012	571	35	344	5.6	86	165	446.50	552	122	2.0

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	679	12.2	1111.43	12539	-33	0.00	1415.0	263.8	81	388.5
H Mar 2009	1037	16.9	1107.40	12164	-376	0.00	950.0	415.9	55	401.2
I Apr 2009	1174	19.7	1101.26	11604	-560	0.00	1284.0	474.0	76	403.7
S May 2009	977	15.9	1096.92	11217	-387	0.00	1411.0	381.7	85	390.6
T Jun 2009	750	12.6	1095.26	11071	-146	0.00	1641.0	287.2	100	383.1
O Jul 2009	840	13.7	1094.20	10978	-93	0.00	1640.0	324.9	100	386.9
R Aug 2009	801	13.0	1093.73	10938	-41	0.00	1648.0	307.5	100	383.8
I Sep 2009	574	9.7	1093.68	10933	-4	0.00	1656.0	215.3	100	374.9
WY 2009	9210							3592.3		
C Oct 2009	613	10.0	1093.26	10897	-37	0.00	1158.0	235.5	70	384.4
A Nov 2009	648	10.9	1093.52	10919	23	0.00	1358.0	251.9	82	388.7
L Dec 2009	646	10.5	1096.30	11162	243	0.00	1037.0	248.8	63	385.3
* Jan 2010	634	10.3	1100.02	11493	330	0.00	1050.0	248.9	63	392.4
Feb 2010	351	6.3	1103.85	11839	346	452.52	1044.0	137.2	63	390.9
Mar 2010	1041	16.9	1099.59	11454	-385	450.95	1336.0	425.2	81	408.6
Apr 2010	1061	17.8	1094.78	11029	-425	445.11	1416.0	429.4	87	404.7
May 2010	1016	16.5	1090.13	10627	-402	439.52	1498.0	400.0	94	393.6
Jun 2010	902	15.2	1086.10	10284	-343	434.89	1572.0	352.6	100	390.9
Jul 2010	924	15.0	1084.25	10129	-155	432.47	1562.0	359.0	100	388.3
Aug 2010	831	13.5	1083.94	10103	-26	431.56	1561.0	325.1	100	391.1
Sep 2010	712	12.0	1081.17	9873	-230	431.17	1548.0	274.1	100	385.2
WY 2010	9379							3687.7		
Oct 2010	458	7.5	1081.43	9894	21	434.03	1260.0	176.5	81	385.0
Nov 2010	714	12.0	1082.39	9973	80	437.17	1261.0	280.8	81	393.4
Dec 2010	605	9.8	1086.84	10347	373	436.48	1395.0	234.4	87	387.7
Jan 2011	675	11.0	1091.30	10727	380	439.41	1308.0	263.6	80	390.5
Feb 2011	665	12.0	1095.29	11073	346	441.84	1446.0	263.5	87	396.0
Mar 2011	1006	16.4	1095.60	11101	27	443.42	1469.0	400.1	89	397.6
Apr 2011	1130	19.0	1094.82	11032	-69	442.25	1548.0	456.2	94	403.8
May 2011	996	16.2	1095.84	11122	90	441.72	1655.0	391.1	100	392.8
Jun 2011	850	14.3	1098.37	11345	224	443.81	1666.0	343.6	100	404.1
Jul 2011	888	14.4	1101.98	11669	324	447.35	1666.0	361.9	100	407.5
Aug 2011	811	13.2	1105.93	12029	360	451.27	1666.0	329.9	100	406.6
Sep 2011	673	11.3	1105.00	11943	-86	453.90	1666.0	269.8	100	400.6
WY 2011	9472							3771.3		
Oct 2011	450	7.3	1106.55	12086	142	458.36	1356.9	180.7	81	401.4
Nov 2011	565	9.5	1106.88	12116	31	461.02	1344.1	228.8	81	405.3
Dec 2011	547	8.9	1109.46	12356	239	459.89	1452.6	218.5	87	399.4
Jan 2012	676	11.0	1111.48	12544	189	460.68	1340.2	275.3	80	407.2

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	629	11.3	642.29	1679	33	0.00	193.8	79.3	76	126.1
H Mar 2009	1035	16.8	641.38	1655	-25	0.00	255.0	121.2	100	117.1
I Apr 2009	1097	18.4	643.11	1702	47	0.00	255.0	135.7	100	123.7
S May 2009	916	14.9	644.36	1736	34	0.00	255.0	115.6	100	126.3
T Jun 2009	788	13.2	641.92	1669	-67	0.00	255.0	99.5	100	126.2
O Jul 2009	835	13.6	641.37	1654	-15	0.00	255.0	101.8	100	121.9
R Aug 2009	756	12.3	641.90	1669	14	0.00	255.0	94.4	100	124.8
I Sep 2009	726	12.2	635.60	1501	-167	0.00	255.0	89.2	100	122.8
WY 2009	9008							1106.2		
C Oct 2009	623	10.1	634.34	1469	-33	0.00	216.8	74.2	85	119.1
A Nov 2009	590	9.9	635.61	1502	33	0.00	186.2	70.9	73	120.3
L Dec 2009	532	8.7	638.68	1582	81	0.00	188.7	65.9	74	123.8
* Jan 2010	456	7.4	644.34	1736	153	0.00	204.0	57.9	80	127.1
Feb 2010	427	7.7	641.00	1644	-91	136.66	219.3	54.5	86	127.6
Mar 2010	974	15.8	642.50	1685	41	134.73	255.0	120.6	100	123.9
Apr 2010	1019	17.1	643.00	1699	14	135.78	255.0	126.8	100	124.4
May 2010	981	16.0	643.00	1699	0	136.04	255.0	122.6	100	125.0
Jun 2010	902	15.2	642.00	1671	-27	135.51	255.0	112.6	100	124.8
Jul 2010	915	14.9	641.50	1658	-14	134.73	255.0	113.6	100	124.2
Aug 2010	806	13.1	641.50	1658	0	134.46	255.0	100.4	100	124.5
Sep 2010	789	13.3	638.00	1564	-94	132.63	255.0	96.9	100	122.9
WY 2010	9014							1117.1		
Oct 2010	647	10.5	630.49	1371	-193	127.33	237.2	77.0	93	118.9
Nov 2010	582	9.8	635.00	1486	115	125.82	234.6	68.5	92	117.8
Dec 2010	488	7.9	638.71	1583	97	130.00	239.7	59.6	94	122.2
Jan 2011	570	9.3	641.80	1666	83	134.16	219.3	71.1	86	124.8
Feb 2011	651	11.7	641.80	1666	0	135.05	244.8	81.5	96	125.3
Mar 2011	946	15.4	643.05	1700	34	135.44	255.0	117.9	100	124.6
Apr 2011	1103	18.5	643.00	1699	-2	136.07	255.0	137.1	100	124.3
May 2011	960	15.6	643.00	1699	0	136.04	255.0	120.1	100	125.1
Jun 2011	850	14.3	642.00	1671	-27	135.51	255.0	106.3	100	125.0
Jul 2011	878	14.3	641.50	1658	-14	134.73	255.0	109.3	100	124.4
Aug 2011	787	12.8	641.50	1658	0	134.46	255.0	98.0	100	124.6
Sep 2011	750	12.6	638.00	1564	-94	132.63	255.0	92.4	100	123.1
WY 2011	9212							1138.9		
Oct 2011	576	9.4	633.00	1434	-130	128.65	237.2	69.4	93	120.5
Nov 2011	496	8.3	635.00	1486	51	127.14	234.6	59.2	92	119.5
Dec 2011	430	7.0	638.71	1583	97	130.00	239.7	52.7	94	122.6
Jan 2012	571	9.3	641.80	1666	83	134.16	219.3	71.2	86	124.8

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	397	7.2	446.08	544	-11	0.00	90.0	27.2	75	68.5
H Mar 2009	736	12.0	446.75	556	12	0.00	87.6	49.2	73	66.8
I Apr 2009	784	13.2	448.75	595	38	0.00	111.6	53.8	93	68.6
S May 2009	647	10.5	448.71	594	-1	0.00	120.0	44.9	100	69.4
T Jun 2009	595	10.0	448.49	590	-4	0.00	120.0	41.3	100	69.5
O Jul 2009	655	10.6	448.11	582	-7	0.00	120.0	43.4	100	66.3
R Aug 2009	582	9.5	448.19	584	2	0.00	118.8	39.9	99	68.6
I Sep 2009	505	8.5	447.16	564	-19	0.00	87.6	35.0	73	69.2
WY 2009	6347							433.2		
C Oct 2009	446	7.2	448.03	581	16	0.00	90.0	30.5	75	68.5
A Nov 2009	365	6.1	447.61	573	-8	0.00	66.0	25.9	55	71.0
L Dec 2009	301	4.9	447.34	568	-5	0.00	76.8	20.2	64	67.1
* Jan 2010	233	3.8	448.89	597	29	0.00	81.6	15.6	68	66.8
Feb 2010	334	6.0	446.50	552	-46	76.48	90.0	21.8	75	65.2
Mar 2010	713	11.6	447.00	561	9	75.56	90.0	47.4	75	66.5
Apr 2010	774	13.0	448.71	594	32	76.64	90.0	52.3	75	67.5
May 2010	699	11.4	448.71	594	0	76.06	120.0	46.4	100	66.5
Jun 2010	669	11.2	448.71	594	0	76.06	120.0	44.5	100	66.5
Jul 2010	716	11.6	448.00	580	-14	75.72	120.0	47.5	100	66.3
Aug 2010	615	10.0	447.50	571	-10	75.13	120.0	40.3	100	65.5
Sep 2010	527	8.9	446.81	557	-13	74.55	120.0	34.2	100	64.8
WY 2010	6392							426.6		
Oct 2010	442	7.2	446.31	548	-9	73.97	120.0	28.2	100	63.9
Nov 2010	371	6.2	446.50	552	3	75.04	93.6	23.9	78	64.4
Dec 2010	281	4.6	446.50	552	0	74.66	103.2	17.6	86	62.8
Jan 2011	344	5.6	446.50	552	0	75.01	96.0	22.0	80	63.9
Feb 2011	444	8.0	446.50	552	0	74.71	102.0	28.8	85	64.8
Mar 2011	709	11.5	446.70	555	4	74.01	120.0	46.0	100	64.9
Apr 2011	810	13.6	448.71	594	38	75.09	120.0	53.5	100	66.1
May 2011	700	11.4	448.71	594	0	76.06	120.0	46.5	100	66.5
Jun 2011	651	10.9	448.71	594	0	76.06	120.0	43.2	100	66.4
Jul 2011	715	11.6	448.00	580	-14	75.72	120.0	47.3	100	66.3
Aug 2011	630	10.2	447.50	571	-10	75.13	120.0	41.3	100	65.6
Sep 2011	544	9.1	446.81	557	-13	74.55	120.0	35.3	100	64.9
WY 2011	6639							433.7		
Oct 2011	454	7.4	446.31	548	-9	73.97	120.0	29.0	100	63.9
Nov 2011	369	6.2	446.50	552	3	75.04	93.6	23.8	78	64.4
Dec 2011	291	4.7	446.50	552	0	74.66	103.2	18.3	86	63.0
Jan 2012	344	5.6	446.50	552	0	75.01	96.0	22.0	80	63.9

OPERATION PLAN FOR COLORADO RIVER SYSTYM RESERVOIRS

Bureau of Reclamation - CRFS 2/2010 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
* Feb 2009	262	24	12	15	4	3
H Mar 2009	271	20	14	15	10	3
Winter 2009	1840	156	81	101	50	21
I Apr 2009	260	19	17	24	16	3
S May 2009	256	57	33	55	23	4
T Jun 2009	301	38	54	66	22	8
O Jul 2009	371	47	45	53	22	8
R Aug 2009	368	50	39	46	23	9
I Sep 2009	275	48	28	35	20	6
Summer 2009	1832	259	216	278	125	38
C Oct 2009	285	44	24	28	14	4
A Nov 2009	309	42	8	9	4	0
L Dec 2009	403	42	13	17	9	0
* Jan 2010	401	43	12	16	8	3
Feb 2010	264	32	10	12	6	4
Mar 2010	247	23	10	13	7	4
Winter 2010	1908	225	77	95	49	14
Apr 2010	247	20	17	25	13	4
May 2010	249	45	30	43	23	6
Jun 2010	253	61	21	31	20	6
Jul 2010	341	29	33	40	21	7
Aug 2010	339	29	34	41	21	7
Sep 2010	202	28	29	35	18	4
Summer 2010	1631	213	164	215	116	34
Oct 2010	209	29	19	23	12	5
Nov 2010	338	28	9	11	6	6
Dec 2010	420	29	29	36	18	6
Jan 2011	417	29	27	34	17	5
Feb 2011	392	26	17	23	12	4
Mar 2011	410	29	12	17	9	5
Winter 2011	2186	171	112	144	75	31
Apr 2011	426	28	14	22	13	5
May 2011	449	49	22	36	23	7
Jun 2011	478	67	21	32	22	9
Jul 2011	535	42	34	42	23	10
Aug 2011	497	42	38	45	23	10
Sep 2011	247	40	35	42	21	3
Summer 2011	2632	268	164	218	125	44
Oct 2011	255	42	20	24	13	6
Nov 2011	248	40	11	14	7	6
Dec 2011	330	42	29	36	18	6
Jan 2012	328	42	27	34	17	5

model_run_id = 2050

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 * * * *								
FEB	2010	729	270	470	10329	11797	15884	27681	192	251	356	799	10329	15884	27012	1500	351	0	33.1	
MAR	2010	786	282	481	10560	12109	15538	27647	248	265	366	879	10560	15538	26977	1500	1041	0	32.6	
APR	2010	791	284	454	10667	12196	15923	28119	249	270	334	852	10667	15923	27442	1500	1061	0	32.4	
MAY	2010	761	265	387	10631	12044	16348	28392	212	248	248	709	10631	16348	27688	1500	1016	0	33.1	
JUN	2010	724	183	279	9768	10953	16750	27703	166	153	108	428	9768	16750	26946	1500	902	0	34.2	
JUL	2010	633	27	250	8575	9485	17093	26578	65	-25	33	73	8575	17093	25741	1500	924	0	34.0	
		* * * * 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	584	47	267	8592	9490	17248	26738	584	47	267	898	8592	17248	26738	1500	831	0	33.6	
SEP	2010	604	100	281	8897	9883	17274	27157	604	100	281	986	8897	17274	27157	2270	712	0	33.1	
OCT	2010	643	155	283	8923	10004	17504	27508	643	155	283	1081	8923	17504	27508	3040	458	0	32.9	
NOV	2010	672	180	278	8897	10027	17483	27510	672	180	278	1130	8897	17483	27510	3810	714	0	32.8	
DEC	2010	702	177	278	9169	10327	17404	27731	702	177	278	1158	9169	17404	27731	4580	605	0	32.7	
JAN	2011	748	248	288	9626	10910	17030	27941	748	248	288	1284	9626	17030	27941	5350	675	0	32.6	
		* * * * E F F E C T I V E S P A C E * * * *										* * * * C R E D I T A B L E S P A C E * * * *								
JAN	2011	748	248	288	9626	10910	17030	27941	475	248	224	947	9626	17030	27604	5350	675	0	32.6	
FEB	2011	790	314	298	10098	11500	16650	28150	514	314	233	1061	10098	16650	27810	1500	665	0	32.4	
MAR	2011	819	350	297	10564	12030	16304	28334	541	350	231	1122	10564	16304	27990	1500	1006	0	32.1	
APR	2011	801	357	250	10985	12394	16276	28670	517	357	179	1054	10985	16276	28316	1500	1130	0	31.9	
MAY	2011	743	336	156	11277	12512	16345	28857	453	336	65	853	11277	16345	28476	1500	996	0	33.0	
JUN	2011	625	212	163	10585	11585	16255	27840	323	212	39	574	10585	16255	27415	1500	850	0	34.7	
JUL	2011	424	37	220	9447	10128	16032	26160	106	12	48	166	9447	16032	25645	1500	888	0	35.0	
		* * * * 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	2011	336	27	223	9538	10125	15708	25833	336	27	223	587	9538	15708	25833	1500	811	0	34.7	
SEP	2011	369	77	237	10076	10758	15348	26106	369	77	237	682	10076	15348	26106	2270	673	0	34.3	
OCT	2011	432	146	239	10123	10940	15434	26373	432	146	239	817	10123	15434	26373	3040	450	0	34.1	
NOV	2011	494	172	235	10174	11075	15291	26366	494	172	235	901	10174	15291	26366	3810	565	0	34.1	
DEC	2011	556	177	235	10222	11189	15261	26450	556	177	235	968	10222	15261	26450	4580	547	0	34.0	
JAN	2012	634	248	244	10460	11587	15021	26609	634	248	244	1127	10460	15021	26609	5350	676	0	33.9	
		* * * * E F F E C T I V E S P A C E * * * *										* * * * C R E D I T A B L E S P A C E * * * *								
JAN	2012	634	248	244	10460	11587	15021	26609	289	248	162	700	10460	15021	26181	5350	676	0	33.9	