

February 24-Month Study
Date: February 12, 2009

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 (%)	Feb 11 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	33,000	106	6474.78	141,000
Flaming Gorge	40,000	88	6019.63	2,967,000
Blue Mesa	26,000	105	7487.53	562,000
Powell	329,000	81	3613.36	13,071,000
Navajo	22,000	99	6053.04	1,262,000

Expected Operations

The operation of Lake Powell and Lake Mead in this February 2009 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2009 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the Upper Elevation Balancing Tier is the operational tier for water year 2009 for Glen Canyon Dam. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2009.

The Interim Guidelines are available for download at
<http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.
The 2009 AOP is available for download at
http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP09_final.pdf.

This February 24-Month Study projects that the annual release volume from Glen Canyon Dam for water year 2009 will be 9.431 million acre-feet (maf) consistent with Sections 6.B.3 and 6.A.1 of the Interim Guidelines. The Interim Guidelines contain a provision for an April adjustment to the operational parameters for Lake Powell when specific conditions occur. The operations reflected in this February 24-Month Study are consistent with this provision. It should be noted that such adjustments, as well as the coordinated operations in general, are sensitive to current inflow projections and may therefore change from month to month as new inflow projections are incorporated.

Fontenelle Reservoir – Inflows for the month of January were 33,000 acre-feet, or 106% of average. The latest inflow forecast projects inflows will be close to average the next three months (25,000 acre-feet, 45,000 acre-feet, and 95,000 acre-feet for February, March, and April, respectively). The reservoir elevation is 6476 feet above sea level, about 30 feet from top of pool, or 42% of capacity. Current modeling projects that the reservoir elevation low point will be approximately 6467.5 ft above sea level early spring of 2010.

The Colorado Basin River Forecast Center's February water supply forecast for Fontenelle for the April to July runoff season is 765,000 acre-feet (89% of average).

Releases from Fontenelle are currently 950 cfs while inflows are averaging 500 cfs. The reservoir elevation is declining and will continue to decline through winter and early spring.

Open forum discussions on Fontenelle operations take place at the "Fontenelle Reservoir Working Group" meetings. The Working Group is a forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. The public is encouraged to attend and express their concerns and interests with regard to Fontenelle Reservoir operation. The next Working Group meeting is scheduled for April 21, 2009 at 10:00 am at the visitor's center of the Seedskadee National Wildlife Refuge below Fontenelle dam. For more information about the Fontenelle Working Group, contact Ed Vidmar at 801-379-1182.

Flaming Gorge Reservoir – January observed unregulated inflow was 39,500 acre-feet (AF), or 87 percent of average inflow. The January end of month elevation was 6019.6 feet, which equates to 2.97 million acre-feet or 79 percent of live storage capacity.

The Colorado Basin River Forecast Center's February water supply forecast for Flaming Gorge for the April to July runoff season is 910,000 acre-feet or 76 percent of average.

Flaming Gorge will release an average daily flow of 1,100 cubic feet per second (cfs) through February. The hourly fluctuations will follow a double-peak pattern. Beginning March 1, 2009, the release pattern is scheduled to be a steady 800 cfs until the beginning of the spring peak sometime in May 2009. Hydrologic conditions are similar to those reported last year at this time. Flaming Gorge Reservoir will most likely be in either the average or moderately dry hydrologic classification outlined in the Flaming Gorge Record of Decision. The Yampa River Basin is also following a similar pattern to that reported last year, with conditions currently in the average hydrologic condition but trending toward moderately wet. There are still two months of potential snow

accumulation or depletion that could change conditions dramatically before spring operations occur.

The next Flaming Gorge Working Group meeting is scheduled for April 15, 2009, in Vernal, Utah. The meeting will be held at 10:00 a.m. at the Western Park Convention Center located at 302 East 200 South in Vernal, Utah. For directions, please call 435-789-7396. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. For more information on this group and these meetings please contact Ed Vidmar at 801-379-1182.

Aspinall Units – January unregulated inflow into Blue Mesa Reservoir was 26,000 acre-feet or 105 percent of average. On February 12 the basin snowpack was averaging 111 percent, which is slightly down from 121 percent from January 12. Precipitation during January was 80 percent of average, while December's precipitation was recorded at 220 percent of average. The current inflow rate into Blue Mesa Reservoir is about 450 cfs while reservoir releases are averaging about 750 cfs. This past fall and early winter months has seen somewhat below average reservoir inflows. Blue Mesa's present elevation is 7487.53 feet, which corresponds to a storage content of about 562,000 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 750,000 acre-feet (104% of average) and is unchanged from last month's forecast. Based on this forecast, Blue Mesa Reservoir is projected to fill by early July 2008.

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 are not likely to change during February into early March.

The last meeting of the "Aspinall Unit Working Group" was held on January 22, 2008 in Montrose, Colorado. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2009 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 – Precipitation for the month of January in the San Juan River basin was 55 percent of average. Unregulated inflow into Navajo Reservoir during the month of January was 22,000 acre-feet, or 99 percent of average. The current daily reservoir inflow is averaging about 400 cfs and the water surface elevation is at 6053.04 feet which corresponds to a reservoir content of about 1,262,000 acre-feet. Diversions for NIIP are currently shut down for the winter season.

The Colorado Basin River Forecast Center's February water supply forecast for Navajo for the April to July runoff season is for 885,000 acre-feet (113 percent of average).

Releases from Navajo Reservoir have been 500 cfs since Tuesday, October 7, 2008 when reservoir releases were reduced from 700 cfs to 500 cfs.

Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). The San Juan River Basin Recovery Implementation Program recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gauged flows throughout the critical habitat area, therefore daily flows of less than 500 cfs may occur at some gages.

A public meeting on Navajo Reservoir operations was held on January 27, 2009 at the Farmington Civic Center. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and spring 2009 operations was 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 - Snowpack conditions in the Upper Colorado River Basin continue to be above average through the month of January. On January 1, 2009 the snowpack above Lake Powell measured only 107% of average. By January 31, 2008 this snowpack had improved to 111% of average. As of February 11, 2009 the snowpack measured 106% of average.

The Colorado Basin River Forecast Center's February water supply forecast for Lake Powell for the April to July runoff season is 8.0 million acre-feet (101% of average). Based on this forecast, Reclamation is currently projecting a shift in operations from Upper Elevation Balancing to Equalization in April 2009 (see Interim Guidelines Section 6.B.3). For this reason, the February 24-Month Study projects the annual release from Lake Powell during water year 2009 to be 9.431 million acre-feet. As forecast conditions change, Reclamation will update these projections monthly.

The monthly release volume for February 2009 is scheduled to be 600,000 acre-feet. Daily average releases during January will be about 10,000 cfs. Monday through Friday releases will peak each afternoon to about 13,500 cfs with early morning releases of approximately 7,500 cfs. Weekend afternoon peak releases will be about 13,250 cfs with morning low releases near 7,500 cfs. The currently scheduled release volume for March 2009 is 625,000 acre-feet which will result in an average daily release of 10,200 cfs. Afternoon peaks will likely be about 12,900 cfs and early morning releases will likely be about 6,900 cfs.

Upper Colorado River Basin Hydrology

Precipitation rates during October and November 2008 were well below average at 55% and 80% respectively. In December, however, conditions improved significantly with the estimated precipitation rate of about 185% of average. The preliminary precipitation total for January 2009 was 95% of average. The overall water year precipitation rate through February 12, 2009 is 104% of average.

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

Upper Colorado River Basin Drought

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

In the summer of 1999, Lake Powell was essentially 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. On September 30, 2008 the storage in Lake Powell was 14.5 million acre-feet (60 percent of capacity) which is still well below desired levels. Reservoir storage in the Colorado River Basin continues to be below desired levels with the overall Colorado River system storage as of February 1, 2009 of 33.0 million acre-feet which is 55.5 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

:	Observed Inflow					jan		Forecast		Outlook	
	oct	nov	dec	jan	%Avg	feb	mar	apr	apr-jul	%Avg	
GLDA3:Lake Powell	372	415	320	329	81%:	375/	600/	1000/	8000/:	101%	
GBRW4:Fontenelle	43	41	30	33	106%:	25/	45/	95/	765/:	89%	
GRNU1:Flaming Gorge	45	47	17.1	40	88%:	35/	65/	115/	910/:	76%	
BMDC2:Blue Mesa	33	27	28	26	105%:	22/	36/	90/	750/:	104%	
MPSC2:Morrow Point	33	29	29	28	99%:	25/	41/	103/	820/:	104%	
CLSC2:Crystal	36	33	32	31	97%:	29/	48/	116/	920/:	101%	
TPIC2:Taylor Park	6.7	5.2	5.7	5.2	118%:	4.5/	4.5/	9.5/	107/:	104%	
VCRC2:Vallecito	9.3	5.3	4.8	5.5	105%:	5/	7/	21/	220/:	107%	
NVRN5:Navajo	29	21	19.4	22	99%:	27/	85/	175/	885/:	113%	
LEMC2:Lemon	1.99	1.16	0.99	0.82	91%:	.7/	1.1/	5.3/	64/:	110%	
MPHC2:McPhee	4.3	2.4	3.5	3.3e	73%:	4.5/	16/	70/	330/:	103%	
RBSC2:Ridgway	6.2	5.3	5.1	4.8	125%:	/	/	/	115/:	113%	

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Fontenelle Reservoir

11-feb-2009 16:52:37

	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 2008	25	0	40	1	41	6468.13	111
H Mar 2008	32	0	43	0	43	6465.20	100
I Apr 2008	53	1	42	0	42	6467.95	111
S May 2008	132	1	64	1	65	6481.73	177
T Jun 2008	224	2	100	0	101	6499.83	298
O Jul 2008	173	3	104	34	138	6503.99	330
R Aug 2008	47	2	91	0	91	6497.83	283
I Sep 2008	36	2	63	0	63	6493.80	254
WY 2008	838	14	712	44	756		
C Oct 2008	43	1	65	0	65	6490.51	231
A Nov 2008	41	1	48	13	61	6487.43	211
L Dec 2008	30	1	26	35	60	6482.26	180
* Jan 2009	33	1	61	0	61	6476.93	151
Feb 2009	25	0	53	0	53	6470.85	123
Mar 2009	45	0	58	0	58	6467.53	109
Apr 2009	95	1	64	0	64	6474.61	140
May 2009	176	1	101	3	105	6487.20	210
Jun 2009	308	2	104	115	218	6499.75	297
Jul 2009	186	3	101	37	138	6505.54	342
Aug 2009	83	2	92	0	92	6504.06	330
Sep 2009	49	2	58	11	70	6501.12	307
WY 2009	1113	15	830	214	1044		
Oct 2009	49	1	72	0	72	6497.83	283
Nov 2009	41	1	70	0	70	6493.71	253
Dec 2009	32	1	72	0	72	6487.63	213
Jan 2010	30	1	72	0	72	6480.51	170
Feb 2010	27	1	65	0	65	6472.80	131
Mar 2010	51	0	72	0	72	6467.85	110
Apr 2010	89	1	83	0	83	6469.05	115
May 2010	176	1	99	3	101	6483.79	189
Jun 2010	308	2	103	93	196	6499.86	298
Jul 2010	186	3	101	38	138	6505.64	343
Aug 2010	83	2	100	5	105	6502.59	319
Sep 2010	49	2	68	0	68	6499.85	298
WY 2010	1120	15	976	138	1114		
Oct 2010	49	1	70	0	70	6496.76	275
Nov 2010	41	1	68	0	68	6492.85	247
Dec 2010	32	1	70	0	70	6486.99	209
Jan 2011	30	1	70	0	70	6480.12	167

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	33	49	2	47	0	47	84	6021.15	3020	0	61
H Mar 2008	59	70	3	50	0	50	84	6021.55	3035	0	141
I Apr 2008	83	71	5	53	0	53	85	6021.85	3045	0	231
S May 2008	176	110	7	101	0	101	85	6021.85	3045	0	793
T Jun 2008	284	161	10	177	0	177	84	6021.15	3020	0	917
O Jul 2008	188	153	12	93	0	93	86	6022.43	3066	0	306
R Aug 2008	48	92	12	92	0	92	85	6022.11	3055	0	132
I Sep 2008	40	67	10	89	0	89	84	6021.25	3024	0	126
WY 2008	1023	943	75	893	10	903					3017
C Oct 2008	45	67	7	71	0	71	83	6020.97	3014	0	119
A Nov 2008	47	66	3	65	0	65	83	6020.91	3012	0	107
L Dec 2008	17	48	2	79	0	79	82	6020.01	2980	0	116
* Jan 2009	39	67	2	80	0	80	82	6019.63	2967	0	752
Feb 2009	35	63	2	61	0	61	82	6019.61	2966	0	61
Mar 2009	65	78	3	50	0	50	83	6020.31	2991	0	50
Apr 2009	115	84	5	48	0	48	84	6021.16	3021	0	48
May 2009	237	166	7	108	0	108	86	6022.51	3069	0	108
Jun 2009	360	271	10	171	0	171	89	6024.86	3155	0	171
Jul 2009	198	150	13	87	0	87	91	6026.14	3203	0	87
Aug 2009	90	100	12	87	0	87	91	6026.14	3203	0	87
Sep 2009	57	78	11	84	0	84	90	6025.68	3185	0	84
WY 2009	1305	1237	77	992	0	992					1791
Oct 2009	59	83	7	87	0	87	90	6025.38	3174	0	87
Nov 2009	51	80	3	84	0	84	90	6025.17	3167	0	84
Dec 2009	37	77	2	87	0	87	89	6024.85	3155	0	87
Jan 2010	41	83	2	87	0	87	89	6024.70	3149	0	87
Feb 2010	45	83	2	79	0	79	89	6024.76	3151	0	79
Mar 2010	103	124	3	87	0	87	90	6025.64	3184	0	87
Apr 2010	142	137	5	84	0	84	92	6026.86	3229	0	84
May 2010	263	189	8	156	0	156	93	6027.48	3253	0	156
Jun 2010	400	288	10	167	0	167	97	6030.28	3360	0	167
Jul 2010	219	172	14	112	0	112	99	6031.41	3404	0	112
Aug 2010	97	118	13	112	0	112	99	6031.24	3397	0	112
Sep 2010	58	78	11	109	0	109	97	6030.19	3356	0	109
WY 2010	1516	1511	80	1253	0	1253					1253
Oct 2010	59	81	7	112	0	112	96	6029.23	3319	0	112
Nov 2010	51	78	3	109	0	109	94	6028.37	3287	0	109
Dec 2010	37	75	2	112	0	112	93	6027.38	3249	0	112
Jan 2011	41	81	2	112	0	112	92	6026.55	3218	0	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	4	4	9314.99	78
H Mar 2008	4	7	9313.24	75
I Apr 2008	7	19	9305.56	63
S May 2008	36	29	9310.30	70
T Jun 2008	65	40	9324.75	96
O Jul 2008	29	34	9322.03	91
R Aug 2008	12	23	9315.69	79
I Sep 2008	8	15	9311.36	72
WY 2008	186	192		
C Oct 2008	7	7	9311.31	72
A Nov 2008	5	5	9311.19	72
L Dec 2008	6	5	9311.34	72
* Jan 2009	5	5	9311.21	72
Feb 2009	4	5	9310.43	71
Mar 2009	4	5	9310.09	70
Apr 2009	11	12	9309.34	69
May 2009	29	20	9314.77	78
Jun 2009	46	22	9327.57	101
Jul 2009	22	24	9326.41	99
Aug 2009	10	18	9322.46	91
Sep 2009	7	14	9318.70	85
WY 2009	156	143		
Oct 2009	6	10	9316.48	81
Nov 2009	5	6	9315.84	80
Dec 2009	4	6	9314.92	78
Jan 2010	4	6	9313.84	76
Feb 2010	4	6	9312.47	74
Mar 2010	4	6	9311.40	72
Apr 2010	8	10	9310.36	70
May 2010	27	18	9315.88	80
Jun 2010	43	22	9327.17	101
Jul 2010	20	22	9326.36	99
Aug 2010	10	22	9320.02	87
Sep 2010	7	15	9315.48	79
WY 2010	143	149		
Oct 2010	6	10	9313.16	75
Nov 2010	5	6	9312.48	74
Dec 2010	4	6	9311.52	72
Jan 2011	4	6	9310.39	71

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	31	31	0	97	0	97	7472.73	454
H Mar 2008	36	39	0	53	0	53	7470.50	439
I Apr 2008	107	119	1	147	0	147	7466.24	411
S May 2008	318	312	1	199	50	250	7475.27	472
T Jun 2008	409	383	1	143	20	163	7503.56	691
O Jul 2008	172	176	1	103	0	103	7511.87	762
R Aug 2008	70	82	1	119	0	119	7507.44	724
I Sep 2008	35	42	1	115	0	115	7498.61	650
WY 2008	1324	1329	8	1287	70	1358		
C Oct 2008	33	33	1	85	0	85	7492.14	598
A Nov 2008	27	28	0	33	0	33	7491.42	592
L Dec 2008	28	27	0	36	0	36	7490.25	583
* Jan 2009	26	27	0	39	0	39	7488.62	571
Feb 2009	22	23	0	45	0	45	7485.75	549
Mar 2009	36	37	0	93	0	93	7478.04	492
Apr 2009	95	96	1	109	0	109	7476.22	479
May 2009	230	221	1	119	0	119	7489.83	580
Jun 2009	294	270	1	68	0	68	7513.96	781
Jul 2009	131	133	2	110	0	110	7516.42	803
Aug 2009	65	73	1	121	0	121	7510.84	753
Sep 2009	37	44	1	111	0	111	7502.89	685
WY 2009	1025	1012	9	969	0	969		
Oct 2009	35	39	1	80	0	80	7497.84	644
Nov 2009	31	32	0	50	0	50	7495.55	625
Dec 2009	25	27	0	70	0	70	7490.00	581
Jan 2010	24	26	0	73	0	73	7483.80	534
Feb 2010	22	24	0	62	0	62	7478.55	495
Mar 2010	34	36	0	63	0	63	7474.74	468
Apr 2010	73	75	1	64	0	64	7476.20	479
May 2010	212	203	1	69	0	69	7493.84	612
Jun 2010	271	250	1	69	0	69	7515.22	792
Jul 2010	121	122	2	110	0	110	7516.40	803
Aug 2010	62	74	1	122	0	122	7510.78	753
Sep 2010	36	44	1	113	0	113	7502.61	683
WY 2010	946	951	9	945	0	945		
Oct 2010	35	39	1	78	0	78	7497.80	643
Nov 2010	31	32	0	48	0	48	7495.75	627
Dec 2010	25	27	0	72	0	72	7490.00	581
Jan 2011	24	26	0	73	0	73	7483.80	534

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	26	97	-5	92	0	99	0	99	7146.95	107
H Mar 2008	34	53	-2	52	0	45	0	45	7155.12	113
I Apr 2008	109	147	1	148	0	153	0	153	7149.81	109
S May 2008	343	250	25	275	0	255	24	278	7144.87	105
T Jun 2008	432	163	23	186	0	177	4	180	7152.31	111
O Jul 2008	178	103	6	109	0	108	0	108	7152.94	111
R Aug 2008	71	119	0	120	0	117	0	117	7156.16	114
I Sep 2008	35	115	0	115	0	115	0	115	7155.78	114
WY 2008	1358	1358	34	1392	1	1365	27	1392		
C Oct 2008	33	85	0	85	0	86	0	86	7153.95	112
A Nov 2008	29	33	2	35	0	35	0	35	7153.60	112
L Dec 2008	29	36	2	38	0	39	0	39	7152.11	111
* Jan 2009	28	39	1	40	0	43	0	43	7148.12	108
Feb 2009	25	45	3	48	0	43	0	43	7153.73	112
Mar 2009	40	93	4	97	0	97	0	97	7153.73	112
Apr 2009	109	109	14	123	0	123	0	123	7153.73	112
May 2009	257	119	27	146	0	146	0	146	7153.73	112
Jun 2009	316	68	22	91	0	91	0	91	7153.73	112
Jul 2009	138	110	7	117	0	117	0	117	7153.73	112
Aug 2009	69	121	4	125	0	125	0	125	7153.73	112
Sep 2009	40	111	3	114	0	114	0	114	7153.73	112
WY 2009	1113	969	88	1057	0	1058	0	1058		
Oct 2009	38	80	3	83	0	83	0	83	7153.73	112
Nov 2009	33	50	2	52	0	52	0	52	7153.73	112
Dec 2009	27	70	2	72	0	72	0	72	7153.73	112
Jan 2010	26	73	2	75	0	75	0	75	7153.73	112
Feb 2010	25	62	3	65	0	65	0	65	7153.73	112
Mar 2010	38	63	4	67	0	67	0	67	7153.73	112
Apr 2010	84	64	11	75	0	75	0	75	7153.73	112
May 2010	237	69	25	94	0	94	0	94	7153.73	112
Jun 2010	292	69	21	90	0	90	0	90	7153.73	112
Jul 2010	127	110	7	117	0	117	0	117	7153.73	112
Aug 2010	65	122	4	126	0	126	0	126	7153.73	112
Sep 2010	39	113	3	116	0	116	0	116	7153.73	112
WY 2010	1032	945	86	1031	0	1031	0	1031		
Oct 2010	38	78	3	81	0	81	0	81	7153.73	112
Nov 2010	33	48	2	50	0	50	0	50	7153.73	112
Dec 2010	27	72	2	74	0	74	0	74	7153.73	112
Jan 2011	26	73	2	75	0	75	0	75	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Crystal Reservoir

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	unreg Inflow 1000 Ac-Ft	Morrow Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Tunnel Flow 1000 Ac-Ft	Below_tunnel Flow 1000 Ac-Ft
* Feb 2008	30	99	4	103	72	31	103	6749.17	16	1	108
H Mar 2008	41	45	6	52	52	0	52	6749.59	16	1	54
I Apr 2008	124	153	16	168	127	40	168	6751.31	16	23	150
S May 2008	388	278	45	323	130	191	321	6760.22	19	54	275
T Jun 2008	484	180	52	232	118	116	234	6753.95	17	47	196
O Jul 2008	191	108	13	121	123	0	123	6747.80	15	62	72
R Aug 2008	75	117	5	122	123	0	123	6742.41	14	66	65
I Sep 2008	38	115	3	118	118	0	118	6741.71	14	61	62
WY 2008	1520	1392	162	1554	1164	391	1555			356	1273
C Oct 2008	36	86	3	89	89	0	89	6744.34	15	55	45
A Nov 2008	33	35	4	38	39	0	39	6742.20	14	1	39
L Dec 2008	32	39	3	42	42	0	42	6742.53	14	1	44
* Jan 2009	31	43	4	47	38	9	47	6741.02	14	1	49
Feb 2009	29	43	4	48	44	0	44	6753.04	17	0	44
Mar 2009	48	97	8	105	105	0	105	6753.04	17	5	100
Apr 2009	116	123	7	130	130	0	130	6753.04	17	30	99
May 2009	293	146	36	182	134	48	182	6753.04	17	55	127
Jun 2009	356	91	39	130	130	0	130	6753.04	17	60	70
Jul 2009	155	117	18	134	134	0	134	6753.04	17	65	69
Aug 2009	77	125	9	133	133	0	133	6753.04	17	65	68
Sep 2009	46	114	7	120	120	0	120	6753.04	17	55	65
WY 2009	1253	1058	141	1199	1139	57	1196			391	820
Oct 2009	44	83	7	89	89	0	89	6753.04	17	30	59
Nov 2009	38	52	5	57	57	0	57	6753.04	17	0	57
Dec 2009	32	72	5	77	77	0	77	6753.04	17	0	77
Jan 2010	31	75	5	80	80	0	80	6753.04	17	0	80
Feb 2010	29	65	4	69	69	0	69	6753.04	17	0	69
Mar 2010	46	67	7	74	74	0	74	6753.04	17	5	69
Apr 2010	96	75	12	87	87	0	87	6753.04	17	30	57
May 2010	272	94	35	129	129	0	129	6753.04	17	55	74
Jun 2010	330	90	38	128	128	0	128	6753.04	17	60	68
Jul 2010	144	117	17	134	134	0	134	6753.04	17	65	69
Aug 2010	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2010	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2010	1183	1031	151	1182	1182	0	1182			365	817
Oct 2010	44	81	7	87	87	0	87	6753.04	17	30	57
Nov 2010	38	50	5	55	55	0	55	6753.04	17	0	55
Dec 2010	32	74	5	79	79	0	79	6753.04	17	0	79
Jan 2011	31	75	5	80	80	0	80	6753.04	17	0	80

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Vallecito Reservoir

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	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Feb 2008	6	17	7640.08	65
H Mar 2008	11	36	7626.73	39
I Apr 2008	33	29	7628.85	43
S May 2008	77	38	7647.76	82
T Jun 2008	84	43	7663.79	122
O Jul 2008	32	40	7660.68	114
R Aug 2008	15	39	7651.24	90
I Sep 2008	11	31	7642.57	70
WY 2008	305	315		
C Oct 2008	9	14	7640.18	65
A Nov 2008	5	2	7641.75	68
L Dec 2008	5	2	7643.06	71
* Jan 2009	5	2	7644.39	74
Feb 2009	5	4	7644.72	75
Mar 2009	7	5	7645.70	77
Apr 2009	21	15	7648.15	83
May 2009	78	50	7659.11	110
Jun 2009	87	72	7664.55	124
Jul 2009	35	43	7661.15	115
Aug 2009	21	43	7652.22	92
Sep 2009	18	33	7645.92	77
WY 2009	295	284		
Oct 2009	13	21	7642.23	69
Nov 2009	8	8	7642.28	69
Dec 2009	6	5	7642.87	70
Jan 2010	5	5	7643.09	71
Feb 2010	5	4	7643.23	71
Mar 2010	8	5	7644.69	75
Apr 2010	22	13	7648.46	83
May 2010	69	43	7658.91	109
Jun 2010	78	63	7664.13	123
Jul 2010	31	43	7659.33	110
Aug 2010	19	40	7650.86	89
Sep 2010	17	31	7644.84	75
WY 2010	281	280		
Oct 2010	13	19	7642.01	69
Nov 2010	8	7	7642.52	70
Dec 2010	6	5	7642.93	71
Jan 2011	5	5	7643.15	71

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Navajo Reservoir

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	Mod_Unreg Inflow 1000 Ac-Ft	Azetea Tunnel_Div 1000 Ac-Ft	Reg Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	NIIP Diversion 1000 ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Farm Flow 1000 Ac-Ft
* Feb 2008	38	0	48	1	0	122	6062.59	1381	160
H Mar 2008	147	6	167	2	6	219	6057.91	1321	284
I Apr 2008	242	27	218	2	21	156	6060.97	1360	240
S May 2008	328	45	243	4	31	149	6065.54	1420	303
T Jun 2008	307	49	214	4	39	221	6061.77	1370	411
O Jul 2008	82	14	74	4	40	32	6061.63	1369	103
R Aug 2008	31	3	51	4	36	40	6059.46	1341	58
I Sep 2008	31	2	49	3	22	45	6057.74	1319	57
WY 2008	1336	146	1204	28	206	1160			1887
C Oct 2008	29	0	34	2	11	33	6056.83	1308	45
A Nov 2008	21	0	17	1	0	30	6055.68	1294	47
L Dec 2008	19	0	16	1	0	31	6054.38	1278	48
* Jan 2009	22	0	19	1	1	31	6053.29	1265	54
Feb 2009	27	0	26	1	0	28	6053.07	1262	28
Mar 2009	85	0	82	2	4	31	6056.85	1308	31
Apr 2009	175	27	142	2	15	34	6063.90	1398	34
May 2009	330	43	259	4	26	200	6066.08	1427	200
Jun 2009	292	36	241	4	41	212	6064.84	1411	212
Jul 2009	88	6	90	5	43	31	6065.76	1423	31
Aug 2009	49	1	70	4	36	31	6065.69	1422	31
Sep 2009	45	1	59	3	20	30	6066.10	1427	30
WY 2009	1182	115	1056	28	199	721			790
Oct 2009	38	2	44	2	7	31	6066.44	1432	31
Nov 2009	33	0	32	1	0	30	6066.56	1434	30
Dec 2009	24	0	23	1	0	31	6065.90	1425	31
Jan 2010	22	0	21	1	0	31	6065.13	1415	31
Feb 2010	30	0	30	1	0	28	6065.21	1416	28
Mar 2010	88	2	83	2	4	31	6068.66	1462	31
Apr 2010	174	16	149	3	16	34	6075.48	1558	34
May 2010	279	33	219	4	28	200	6074.56	1545	200
Jun 2010	246	29	203	5	43	212	6070.50	1488	212
Jul 2010	74	7	79	5	46	31	6070.33	1485	31
Aug 2010	43	3	61	4	39	31	6069.47	1473	31
Sep 2010	42	1	55	3	22	30	6069.50	1474	30
WY 2010	1094	93	999	30	205	718			718
Oct 2010	38	0	44	2	7	31	6069.80	1478	31
Nov 2010	33	0	32	1	1	30	6069.78	1477	30
Dec 2010	24	0	23	1	1	31	6069.09	1468	31
Jan 2011	22	0	21	1	0	31	6068.34	1458	31

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	412	588	8	602	0	602	3590.66	18442	10880	612
H Mar 2008	589	714	13	737	93	830	3589.77	18393	10800	850
I Apr 2008	1003	982	21	678	0	678	3594.09	18280	11195	691
S May 2008	2644	2328	27	790	0	790	3610.81	18174	12812	807
T Jun 2008	3568	3292	49	791	0	791	3631.05	18346	14971	810
O Jul 2008	1691	1412	63	865	0	865	3633.00	18364	15192	887
R Aug 2008	477	584	62	890	0	890	3629.55	18333	14803	914
I Sep 2008	373	539	56	723	0	723	3626.90	18309	14509	738
WY 2008	12355	12326	396	8885	93	8978				9164
C Oct 2008	372	488	38	749	0	749	3623.82	18282	14172	762
A Nov 2008	415	452	36	603	0	603	3621.90	18266	13966	612
L Dec 2008	320	394	28	801	0	801	3617.89	18232	13541	819
* Jan 2009	329	394	9	802	0	802	3614.17	18201	13155	822
Feb 2009	375	418	19	600	0	600	3612.35	18186	12968	600
Mar 2009	600	592	24	625	0	625	3611.83	18182	12915	625
Apr 2009	1000	848	27	750	0	750	3612.47	18187	12981	750
May 2009	2395	2095	38	775	0	775	3623.78	18282	14168	775
Jun 2009	3113	2696	46	981	0	981	3637.53	18406	15713	981
Jul 2009	1491	1351	55	1080	0	1080	3639.24	18422	15914	1080
Aug 2009	607	680	56	1065	0	1065	3635.74	18389	15505	1065
Sep 2009	476	584	48	600	0	600	3635.23	18384	15446	600
WY 2009	11494	10991	423	9431	0	9431				9490
Oct 2009	506	581	43	620	0	620	3634.56	18378	15370	620
Nov 2009	523	573	36	600	0	600	3634.06	18374	15312	600
Dec 2009	418	520	30	800	0	800	3631.54	18351	15026	800
Jan 2010	384	489	22	800	0	800	3628.78	18326	14717	800
Feb 2010	395	466	21	700	0	700	3626.65	18307	14482	700
Mar 2010	628	589	26	700	0	700	3625.50	18297	14355	700
Apr 2010	952	777	29	700	0	700	3625.91	18301	14400	700
May 2010	2161	1894	40	800	0	800	3634.61	18379	15375	800
Jun 2010	2808	2411	49	1004	0	1004	3645.26	18479	16633	1004
Jul 2010	1345	1237	57	1090	0	1090	3645.95	18486	16717	1090
Aug 2010	566	671	58	1075	0	1075	3642.41	18452	16290	1075
Sep 2010	459	597	50	600	0	600	3642.00	18448	16241	600
WY 2010	11147	10806	459	9489	0	9489				9489
Oct 2010	506	602	45	620	0	620	3641.52	18443	16183	620
Nov 2010	523	596	37	600	0	600	3641.20	18440	16145	600
Dec 2010	418	548	31	800	0	800	3638.98	18419	15883	800
Jan 2011	384	514	23	800	0	800	3636.53	18396	15597	800

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Hoover Dam - Lake Mead

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	Glen Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	SNWP Use 1000 Ac-Ft	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Feb 2008	602	147	32	659	11.5	10	658	849	1116.93	13062
H Mar 2008	830	116	35	1025	16.7	17	1023	841	1115.65	12940
I Apr 2008	678	40	44	1159	19.5	24	1155	810	1110.61	12463
S May 2008	790	49	49	1113	18.1	30	1110	789	1107.05	12132
T Jun 2008	791	44	59	949	15.9	30	949	776	1104.98	11941
O Jul 2008	865	63	73	876	14.2	33	874	773	1104.42	11890
R Aug 2008	890	95	78	804	13.1	34	789	777	1105.13	11955
I Sep 2008	723	77	64	652	11.0	22	642	781	1105.76	12013
WY 2008	8978	912	606	9531		278	9468			
C Oct 2008	749	47	47	508	8.3	26	498	794	1107.94	12213
A Nov 2008	603	73	47	675	11.3	14	659	790	1107.33	12157
L Dec 2008	801	63	41	453	7.4	8	432	812	1110.97	12496
* Jan 2009	802	73	34	741	12.1	19	739	817	1111.78	12572
Feb 2009	600	134	31	666	12.0	18	666	818	1111.97	12590
Mar 2009	625	96	35	1020	16.6	25	1020	796	1108.36	12253
Apr 2009	750	75	42	1127	18.9	23	1127	774	1104.62	11909
May 2009	775	70	48	1018	16.6	32	1018	759	1101.99	11670
Jun 2009	981	24	58	906	15.2	30	906	759	1102.11	11681
Jul 2009	1080	61	73	908	14.8	32	908	767	1103.45	11802
Aug 2009	1065	110	78	817	13.3	33	817	782	1106.00	12035
Sep 2009	600	78	64	684	11.5	28	684	776	1105.00	11943
WY 2009	9431	904	597	9525		286	9475			
Oct 2009	620	73	47	456	7.4	36	456	786	1106.57	12087
Nov 2009	600	73	47	477	8.0	25	477	793	1107.83	12204
Dec 2009	800	65	41	489	8.0	20	489	812	1111.00	12500
Jan 2010	800	131	34	678	11.0	19	678	825	1113.00	12688
Feb 2010	700	134	31	667	12.0	18	667	832	1114.17	12799
Mar 2010	700	96	35	1013	16.5	25	1013	815	1111.42	12539
Apr 2010	700	75	43	1136	19.1	23	1136	789	1107.12	12138
May 2010	800	70	49	1009	16.4	32	1009	776	1104.87	11931
Jun 2010	1004	24	59	902	15.2	30	902	778	1105.26	11967
Jul 2010	1090	61	74	902	14.7	32	902	787	1106.73	12102
Aug 2010	1075	110	79	811	13.2	33	811	803	1109.39	12348
Sep 2010	600	78	65	679	11.4	28	679	797	1108.44	12261
WY 2010	9489	990	603	9218		320	9218			
Oct 2010	620	73	48	453	7.4	36	453	806	1110.01	12407
Nov 2010	600	73	48	515	8.7	25	515	812	1110.86	12486
Dec 2010	800	65	42	531	8.6	20	531	828	1113.57	12742
Jan 2011	800	131	34	677	11.0	19	677	841	1115.56	12931

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	659	-12	717	0	717	12.5	639.09	1593
H Mar 2008	1025	-26	974	0	974	15.8	640.01	1618
I Apr 2008	1159	-23	1104	0	1104	18.6	641.20	1650
S May 2008	1113	-45	993	0	993	16.2	643.95	1725
T Jun 2008	949	-34	932	0	932	15.7	643.36	1709
O Jul 2008	876	-23	896	0	896	14.6	641.79	1666
R Aug 2008	804	-26	798	0	798	13.0	641.06	1646
I Sep 2008	652	-15	698	0	698	11.7	638.80	1585
WY 2008	9531	-285	9205	0	9205			
C Oct 2008	508	-18	632	0	632	10.3	633.37	1444
A Nov 2008	675	-23	603	0	603	10.1	635.28	1493
L Dec 2008	453	-23	339	0	339	5.5	638.77	1585
* Jan 2009	741	-25	655	0	655	10.6	641.08	1647
Feb 2009	666	-15	600	0	600	10.8	643.00	1699
Mar 2009	1020	-26	980	0	980	15.9	643.50	1712
Apr 2009	1127	-28	1112	0	1112	18.7	643.01	1699
May 2009	1018	-35	983	0	983	16.0	643.01	1699
Jun 2009	906	-27	907	0	907	15.2	642.00	1671
Jul 2009	908	-23	898	0	898	14.6	641.50	1658
Aug 2009	817	-25	792	0	792	12.9	641.50	1658
Sep 2009	684	-17	761	0	761	12.8	638.00	1564
WY 2009	9525	-285	9260	0	9260			
Oct 2009	456	-4	581	0	581	9.5	633.00	1434
Nov 2009	477	-18	433	0	433	7.3	634.00	1460
Dec 2009	489	-20	346	0	346	5.6	638.71	1583
Jan 2010	678	-22	573	0	573	9.3	641.80	1666
Feb 2010	667	-15	652	0	652	11.7	641.80	1666
Mar 2010	1013	-26	953	0	953	15.5	643.05	1700
Apr 2010	1136	-28	1109	0	1109	18.6	643.01	1699
May 2010	1009	-35	974	0	974	15.8	643.01	1699
Jun 2010	902	-27	902	0	902	15.2	642.00	1671
Jul 2010	902	-23	893	0	893	14.5	641.50	1658
Aug 2010	811	-25	786	0	786	12.8	641.50	1658
Sep 2010	679	-17	756	0	756	12.7	638.00	1564
WY 2010	9218	-260	8958	0	8958			
Oct 2010	453	-4	579	0	579	9.4	633.00	1434
Nov 2010	515	-18	471	0	471	7.9	634.00	1460
Dec 2010	531	-20	388	0	388	6.3	638.71	1583
Jan 2011	677	-22	572	0	572	9.3	641.80	1666

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	717	-11	486	8.4	67	157	446.44	551	155	2.7
H Mar 2008	974	-15	744	12.1	46	168	446.47	551	205	3.3
I Apr 2008	1104	-10	838	14.1	76	166	447.25	566	202	3.4
S May 2008	993	-11	684	11.1	97	172	448.84	596	113	1.8
T Jun 2008	932	-25	691	11.6	94	126	448.62	592	115	1.9
O Jul 2008	896	-18	728	11.8	87	78	447.86	577	122	2.0
R Aug 2008	798	-2	635	10.3	82	65	448.54	590	109	1.8
I Sep 2008	698	-10	519	8.7	82	94	448.19	584	99	1.7
WY 2008	9205	-80	6692		803	1622			1560	
C Oct 2008	632	3	452	7.4	77	136	446.55	553	84	1.4
A Nov 2008	603	16	379	6.4	53	168	447.54	571	118	2.0
L Dec 2008	339	15	236	3.8	67	65	446.81	558	139	2.3
* Jan 2009	655	-6	379	6.2	100	171	446.67	555	121	2.0
Feb 2009	600	28	385	6.9	75	161	447.00	561	149	2.7
Mar 2009	980	30	728	11.8	99	184	447.00	561	206	3.4
Apr 2009	1112	-6	820	13.8	87	167	448.71	594	200	3.4
May 2009	983	-16	705	11.5	89	173	448.71	594	113	1.8
Jun 2009	907	-26	668	11.2	87	126	448.71	594	115	1.9
Jul 2009	898	-18	726	11.8	89	79	448.00	580	119	1.9
Aug 2009	792	-11	620	10.1	89	81	447.50	571	93	1.5
Sep 2009	761	-12	543	9.1	65	154	446.81	557	89	1.5
WY 2009	9260	-3	6641		977	1666			1545	
Oct 2009	581	6	452	7.4	25	119	446.31	548	74	1.2
Nov 2009	433	13	363	6.1	25	54	446.50	552	103	1.7
Dec 2009	346	11	300	4.9	21	37	446.50	552	119	1.9
Jan 2010	573	25	345	5.6	84	168	446.50	552	119	1.9
Feb 2010	652	28	452	8.1	76	152	446.50	552	154	2.8
Mar 2010	953	30	727	11.8	84	168	446.70	555	204	3.3
Apr 2010	1109	-6	821	13.8	81	163	448.71	594	199	3.3
May 2010	974	-16	705	11.5	84	169	448.71	594	111	1.8
Jun 2010	902	-26	672	11.3	81	123	448.71	594	116	1.9
Jul 2010	893	-18	728	11.8	84	77	448.00	580	119	1.9
Aug 2010	786	-11	622	10.1	84	79	447.50	571	93	1.5
Sep 2010	756	-12	545	9.2	61	151	446.81	557	89	1.5
WY 2010	8958	24	6734		788	1460			1501	
Oct 2010	579	6	454	7.4	24	116	446.31	548	74	1.2
Nov 2010	471	13	365	6.1	24	92	446.50	552	103	1.7
Dec 2010	388	11	300	4.9	24	75	446.50	552	118	1.9
Jan 2011	572	25	344	5.6	84	168	446.50	552	119	1.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 Most Prob Water Supply
Hoover Dam - Lake Mead

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Hoover Static Head Feet	Hoover Generator Capacity MW	Hoover Gross Energy MKWH	Percent Of Units Available	KWH/AF
* Feb 2008	659	11.5	1116.93	13062	45	0.00	1101.0	266.5	63	404.5
H Mar 2008	1025	16.7	1115.65	12940	-123	0.00	1212.0	420.7	70	410.6
I Apr 2008	1159	19.5	1110.61	12463	-477	0.00	1393.0	475.9	81	410.7
S May 2008	1113	18.1	1107.05	12132	-331	0.00	1482.0	445.7	87	400.5
T Jun 2008	949	15.9	1104.98	11941	-190	0.00	1694.0	371.6	100	391.7
O Jul 2008	876	14.2	1104.42	11890	-51	0.00	1672.0	344.2	100	392.8
R Aug 2008	804	13.1	1105.13	11955	65	0.00	1678.0	316.2	100	393.1
I Sep 2008	652	11.0	1105.76	12013	58	0.00	1677.0	252.9	100	387.9
WY 2008	9530							3790.6		
C Oct 2008	508	8.3	1107.94	12213	201	0.00	1038.0	188.5	61	370.8
A Nov 2008	675	11.3	1107.33	12157	-56	0.00	926.0	263.1	55	389.9
L Dec 2008	453	7.4	1110.97	12496	339	0.00	1523.0	171.3	88	377.7
* Jan 2009	741	12.1	1111.78	12572	76	0.00	1305.0	299.0	75	403.3
Feb 2009	666	12.0	1111.97	12590	18	460.85	1415.0	274.8	81	412.4
Mar 2009	1020	16.6	1108.36	12253	-337	461.20	954.0	439.1	55	430.3
Apr 2009	1127	18.9	1104.62	11909	-345	455.21	1305.0	474.1	76	420.7
May 2009	1018	16.6	1101.99	11670	-238	450.30	1590.0	410.1	94	402.8
Jun 2009	906	15.2	1102.11	11681	11	448.72	1692.0	365.0	100	402.9
Jul 2009	908	14.8	1103.45	11802	121	449.94	1697.0	365.1	100	402.2
Aug 2009	817	13.3	1106.00	12035	233	452.03	1710.0	332.9	100	407.6
Sep 2009	684	11.5	1105.00	11943	-92	453.94	1702.0	274.8	100	401.6
WY 2009	9525							3857.8		
Oct 2009	456	7.4	1106.57	12087	144	459.69	1186.0	184.4	69	404.6
Nov 2009	477	8.0	1107.83	12204	116	461.37	1404.0	194.6	82	408.4
Dec 2009	489	8.0	1111.00	12500	296	461.45	1511.0	199.2	87	407.5
Jan 2010	678	11.0	1113.00	12688	188	462.13	1416.0	276.8	81	408.3
Feb 2010	667	12.0	1114.17	12799	111	462.55	1444.0	275.6	83	413.4
Mar 2010	1013	16.5	1111.42	12539	-260	462.03	1323.0	423.2	76	417.7
Apr 2010	1136	19.1	1107.12	12138	-401	456.89	1504.0	475.5	88	418.5
May 2010	1009	16.4	1104.87	11931	-207	452.30	1702.0	406.0	100	402.4
Jun 2010	902	15.2	1105.26	11967	36	451.71	1706.0	365.2	100	405.0
Jul 2010	902	14.7	1106.73	12102	135	453.13	1706.0	365.0	100	404.4
Aug 2010	811	13.2	1109.39	12348	246	455.34	1706.0	332.6	100	409.9
Sep 2010	679	11.4	1108.44	12261	-88	457.33	1706.0	274.0	100	403.7
WY 2010	9218							3772.0		
Oct 2010	453	7.4	1110.01	12407	146	463.10	1186.1	184.4	70	406.6
Nov 2010	515	8.7	1110.86	12486	80	464.63	1389.5	206.8	81	401.7
Dec 2010	531	8.6	1113.57	12742	256	464.93	1379.8	213.4	81	401.9
Jan 2011	677	11.0	1115.56	12931	189	464.68	1385.2	277.6	81	410.1

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	717	12.5	639.09	1593	-70	0.00	191.7	88.7	75	123.8
H Mar 2008	974	15.8	640.01	1618	25	0.00	227.0	120.5	89	123.7
I Apr 2008	1104	18.6	641.20	1650	32	0.00	255.0	135.8	100	123.0
S May 2008	993	16.2	643.95	1725	75	0.00	255.0	123.5	100	124.4
T Jun 2008	932	15.7	643.36	1709	-16	0.00	255.0	117.8	100	126.5
O Jul 2008	896	14.6	641.79	1666	-43	0.00	255.0	111.7	100	124.6
R Aug 2008	798	13.0	641.06	1646	-20	0.00	255.0	98.5	100	123.4
I Sep 2008	698	11.7	638.80	1585	-61	0.00	255.0	86.5	100	123.9
WY 2008	9205							1137.7		
C Oct 2008	632	10.3	633.37	1444	-141	0.00	211.7	74.9	83	118.6
A Nov 2008	603	10.1	635.28	1493	49	0.00	186.2	71.8	73	119.1
L Dec 2008	339	5.5	638.77	1585	91	0.00	163.2	42.1	64	124.2
* Jan 2009	655	10.6	641.08	1647	62	0.00	155.6	80.8	61	123.4
Feb 2009	600	10.8	643.00	1699	52	136.86	191.2	75.4	75	125.8
Mar 2009	980	15.9	643.50	1712	14	137.10	224.4	122.8	88	125.2
Apr 2009	1112	18.7	643.01	1699	-14	136.30	255.0	138.4	100	124.4
May 2009	983	16.0	643.01	1699	0	136.05	255.0	122.9	100	125.0
Jun 2009	907	15.2	642.00	1671	-28	135.52	255.0	113.1	100	124.8
Jul 2009	898	14.6	641.50	1658	-14	134.73	255.0	111.6	100	124.3
Aug 2009	792	12.9	641.50	1658	0	134.46	255.0	98.7	100	124.6
Sep 2009	761	12.8	638.00	1564	-94	132.63	255.0	93.7	100	123.1
WY 2009	9260							1146.1		
Oct 2009	581	9.5	633.00	1434	-130	128.15	255.0	70.0	100	120.4
Nov 2009	433	7.3	634.00	1460	26	126.54	237.2	51.8	93	119.5
Dec 2009	346	5.6	638.71	1583	123	129.92	224.4	42.5	88	122.8
Jan 2010	573	9.3	641.80	1666	83	134.24	216.8	71.4	85	124.8
Feb 2010	652	11.7	641.80	1666	0	136.16	206.6	81.7	81	125.3
Mar 2010	953	15.5	643.05	1700	34	135.44	255.0	118.7	100	124.6
Apr 2010	1109	18.6	643.01	1699	-1	136.08	255.0	137.8	100	124.2
May 2010	974	15.8	643.01	1699	0	136.05	255.0	121.7	100	125.0
Jun 2010	902	15.2	642.00	1671	-28	135.52	255.0	112.5	100	124.8
Jul 2010	893	14.5	641.50	1658	-14	134.73	255.0	111.0	100	124.3
Aug 2010	786	12.8	641.50	1658	0	134.46	255.0	98.0	100	124.6
Sep 2010	756	12.7	638.00	1564	-94	132.63	255.0	93.0	100	123.1
WY 2010	8958							1110.2		
Oct 2010	579	9.4	633.00	1434	-130	129.48	209.1	69.8	82	120.5
Nov 2010	471	7.9	634.00	1460	26	126.99	221.8	56.2	87	119.2
Dec 2010	388	6.3	638.71	1583	123	129.55	237.2	47.6	93	122.5
Jan 2011	572	9.3	641.80	1666	83	134.24	216.8	71.3	85	124.8

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	486	8.4	446.44	551	-4	0.00	90.0	32.6	75	67.2
H Mar 2008	744	12.1	446.47	551	1	0.00	90.0	49.8	75	67.0
I Apr 2008	838	14.1	447.25	566	14	0.00	90.0	55.0	75	65.6
S May 2008	684	11.1	448.84	596	30	0.00	90.0	46.4	75	67.9
T Jun 2008	691	11.6	448.62	592	-4	0.00	90.0	47.3	75	68.4
O Jul 2008	728	11.8	447.86	577	-14	0.00	90.0	48.9	75	67.3
R Aug 2008	635	10.3	448.54	590	13	0.00	105.6	41.9	88	66.0
I Sep 2008	519	8.7	448.19	584	-7	0.00	91.2	38.6	76	74.3
WY 2008	6692							453.4		
C Oct 2008	452	7.4	446.55	553	-31	0.00	90.0	31.2	75	68.9
A Nov 2008	379	6.4	447.54	571	18	0.00	90.0	26.2	75	69.1
L Dec 2008	236	3.8	446.81	558	-14	0.00	85.2	15.3	71	64.7
* Jan 2009	379	6.2	446.67	555	-3	0.00	78.0	25.9	65	68.2
Feb 2009	385	6.9	447.00	561	6	75.65	90.0	25.1	75	65.2
Mar 2009	728	11.8	447.00	561	0	74.55	116.4	47.6	97	65.4
Apr 2009	820	13.8	448.71	594	32	75.23	120.0	54.3	100	66.2
May 2009	705	11.5	448.71	594	0	76.06	120.0	46.9	100	66.5
Jun 2009	668	11.2	448.71	594	0	76.06	120.0	44.4	100	66.5
Jul 2009	726	11.8	448.00	580	-14	75.72	120.0	48.1	100	66.3
Aug 2009	620	10.1	447.50	571	-10	75.13	120.0	40.6	100	65.5
Sep 2009	543	9.1	446.81	557	-13	75.95	90.0	36.0	75	66.2
WY 2009	6641							441.5		
Oct 2009	452	7.4	446.31	548	-9	75.37	90.0	29.5	75	65.2
Nov 2009	363	6.1	446.50	552	3	75.41	86.4	23.5	72	64.6
Dec 2009	300	4.9	446.50	552	0	75.65	84.0	19.1	70	63.9
Jan 2010	345	5.6	446.50	552	0	75.51	86.4	22.2	72	64.4
Feb 2010	452	8.1	446.50	552	0	75.19	92.4	29.5	77	65.3
Mar 2010	727	11.8	446.70	555	4	74.01	120.0	47.3	100	65.0
Apr 2010	821	13.8	448.71	594	38	75.09	120.0	54.2	100	66.1
May 2010	705	11.5	448.71	594	0	76.06	120.0	46.9	100	66.5
Jun 2010	672	11.3	448.71	594	0	76.06	120.0	44.6	100	66.5
Jul 2010	728	11.8	448.00	580	-14	75.72	120.0	48.3	100	66.3
Aug 2010	622	10.1	447.50	571	-10	75.13	120.0	40.8	100	65.5
Sep 2010	545	9.2	446.81	557	-13	74.55	120.0	35.4	100	64.9
WY 2010	6734							441.4		
Oct 2010	454	7.4	446.31	548	-9	74.43	109.2	29.2	91	64.3
Nov 2010	365	6.1	446.50	552	3	74.29	109.2	23.3	91	63.7
Dec 2010	300	4.9	446.50	552	0	74.38	109.2	18.9	91	62.9
Jan 2011	344	5.6	446.50	552	0	75.51	86.4	22.1	72	64.4

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 2/2009 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
* Feb 2008	247	18	26	35	14	2
H Mar 2008	299	19	14	16	9	2
Winter 2008	1714	110	126	156	80	14
I Apr 2008	280	20	38	55	23	2
S May 2008	333	39	52	92	23	4
T Jun 2008	348	68	40	63	22	7
O Jul 2008	390	36	31	39	23	9
R Aug 2008	400	36	36	42	22	8
I Sep 2008	323	34	34	41	21	5
Summer 2008	2075	233	232	331	134	35
C Oct 2008	334	27	25	30	17	5
A Nov 2008	267	25	9	12	6	4
L Dec 2008	355	30	10	14	7	2
* Jan 2009	352	31	11	15	6	4
Feb 2009	244	22	13	16	7	4
Mar 2009	253	18	27	35	18	4
Winter 2009	1804	153	96	122	61	22
Apr 2009	304	17	31	44	22	4
May 2009	318	39	34	53	23	8
Jun 2009	412	62	21	33	22	9
Jul 2009	460	32	34	42	23	10
Aug 2009	453	32	38	45	23	9
Sep 2009	254	31	34	41	21	6
Summer 2009	2202	213	193	257	135	45
Oct 2009	262	32	24	30	15	7
Nov 2009	253	31	15	19	10	6
Dec 2009	337	32	21	26	13	6
Jan 2010	335	32	21	27	14	6
Feb 2010	292	29	18	24	12	5
Mar 2010	291	32	18	24	13	5
Winter 2010	1771	187	117	149	77	34
Apr 2010	291	31	18	27	15	5
May 2010	335	57	20	34	22	7
Jun 2010	429	61	21	32	22	9
Jul 2010	470	41	35	42	23	10
Aug 2010	463	41	38	45	23	10
Sep 2010	257	40	35	42	21	6
Summer 2010	2245	271	167	222	127	46
Oct 2010	266	41	24	29	15	6
Nov 2010	257	40	14	18	10	6
Dec 2010	342	41	21	27	14	6
Jan 2011	340	41	21	27	14	5

model_run_id = 2018

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 SCHD REL KAF	MEAD FC REL KAF	SYS CONT MAF
* * * * P R E D I C T E D S P A C E * * * *																			
FEB	2009	976	259	431	11165	12832	14808	27639	485	259	305	1049	11165	14808	27022	1500	666	0	32.9
MAR	2009	1005	281	434	11352	13072	14790	27861	511	281	307	1099	11352	14790	27240	1500	1020	0	32.5
APR	2009	994	338	388	11405	13124	15127	28251	496	338	255	1089	11405	15127	27620	1500	1127	0	32.4
MAY	2009	933	351	298	11339	12921	15471	28392	428	351	147	926	11339	15471	27737	1500	1018	0	33.6
JUN	2009	815	249	269	10152	11485	15710	27195	299	247	88	634	10152	15710	26496	1500	906	0	35.5
JUL	2009	642	49	285	8607	9583	15699	25282	110	21	60	191	8607	15699	24497	1500	908	0	36.0
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2009	549	27	273	8406	9255	15578	24833	549	27	273	849	8406	15578	24833	1500	817	0	35.7
SEP	2009	561	76	274	8815	9726	15345	25071	561	76	274	911	8815	15345	25071	2270	684	0	35.3
OCT	2009	601	144	269	8874	9887	15437	25324	601	144	269	1014	8874	15437	25324	3040	456	0	35.2
NOV	2009	637	186	264	8950	10036	15293	25329	637	186	264	1087	8950	15293	25329	3810	477	0	35.2
DEC	2009	674	204	262	9008	10148	15176	25325	674	204	262	1141	9008	15176	25325	4580	489	0	35.2
JAN	2010	726	248	271	9294	10540	14880	25420	726	248	271	1246	9294	14880	25420	5350	678	0	35.1
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2010	726	248	271	9294	10540	14880	25420	441	248	217	906	9294	14880	25080	5350	678	0	35.1
FEB	2010	775	295	281	9603	10955	14692	25647	487	295	227	1010	9603	14692	25305	1500	667	0	34.9
MAR	2010	811	334	280	9838	11264	14581	25845	521	334	225	1080	9838	14581	25499	1500	1013	0	34.6
APR	2010	800	361	234	9965	11360	14841	26201	505	361	173	1039	9965	14841	25845	1500	1136	0	34.4
MAY	2010	749	351	138	9920	11158	15242	26400	447	351	57	856	9920	15242	26017	1500	1009	0	35.4
JUN	2010	652	218	151	8945	9966	15449	25414	340	213	39	592	8945	15449	24985	1500	902	0	37.0
JUL	2010	436	38	208	7687	8369	15413	23782	107	11	48	166	7687	15413	23265	1500	902	0	37.3
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2010	347	27	211	7603	8188	15278	23466	347	27	211	585	7603	15278	23466	1500	811	0	37.0
SEP	2010	378	77	223	8030	8708	15032	23739	378	77	223	677	8030	15032	23739	2270	679	0	36.6
OCT	2010	440	147	222	8079	8888	15119	24007	440	147	222	808	8079	15119	24007	3040	453	0	36.5
NOV	2010	500	186	218	8137	9041	14973	24014	500	186	218	904	8137	14973	24014	3810	515	0	36.5
DEC	2010	560	203	219	8175	9156	14894	24049	560	203	219	981	8175	14894	24049	4580	531	0	36.5
JAN	2011	636	248	228	8437	9549	14638	24187	636	248	228	1112	8437	14638	24187	5350	677	0	36.3
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2011	636	248	228	8437	9549	14638	24187	447	248	217	912	8437	14638	23987	5350	677	0	36.3