

July 24-Month Study
Date: July 13, 2009

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

Current Reservoir Status

Reservoir	June Inflow (unregulated) (acre-feet)	Percent of Average (%)	July 12 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	478,000	134	6501.48	310,000
Flaming Gorge	573,000	122	6033.39	3,482,000
Blue Mesa	229,000	78	7517.34	811,000
Powell	2,709,000	88	3642.29	16,275,000
Navajo	146,000	57	6069.25	1,470,000

Expected Operations

The operation of Lake Powell and Lake Mead in this July 2009 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2009 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 24-Month Study projections of the January 1 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead. If the operating tier for the year is the Upper Elevation Balancing Tier, an adjustment may be made in April based on the April 24-Month Study projection of the September 30 system storage and reservoir water surface elevations.

The Upper Elevation Balancing Tier is the operational tier for water year 2009 for Glen Canyon Dam. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2009.

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

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2009 AOP is available for download at http://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP09_final.pdf.

Fontenelle Reservoir – Inflows for the month of June were 478,000 acre-feet, or 134% of average. The reservoir elevation is 6502 feet above sea level, about 4 feet from top of pool, or 91% of capacity. The final forecast for the April to July runoff season has increased to 940,000 acre-feet (109% of average).

Inflows to Fontenelle Reservoir are averaging 6,000 cfs and are slowly declining. Releases are currently 6,000 cfs and will be lowered as reservoir inflows decrease.

The next Fontenelle Working Group meeting is scheduled for August 25, 2009 at 10:00 am at the City of Green River city hall. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. For more information about the Fontenelle Working Group, contact Ed Vidmar at 801-379-1182.

Flaming Gorge Reservoir – June observed unregulated inflow into Flaming Gorge reservoir was 573,000 acre-feet (AF), or 122 percent of average inflow. The June end of month elevation was 6029.8 feet, which equates to 3.34 million acre-feet or 89 percent of live storage capacity. Precipitation in the Green River Basin was 245 percent of average causing the elevation to increase a total of 12 feet from the beginning of June. The July final forecast for the April through July unregulated inflow volume into Flaming Gorge Reservoir increased 320,000 AF to 1,170,000 AF (98 percent of average).

Because of the increased inflow volume, the average daily base flow for the remainder of the base flow period will increase from 1,360 cfs per day to 1,700 cfs per day. The flexibility outlined in the ROD allows the average daily base flow to vary $\pm 40\%$ from the average daily base flow for the summer period through November 30, and $\pm 25\%$ for the winter period from December 1 through the end of February. Releases out of Flaming Gorge are currently fluctuating around a 1,800 cfs daily average, but will increase to 2,025 cfs daily average in mid-July. Releases are expected to remain at this daily average through September 30, 2009, but may increase if additional precipitation occurs. It is anticipated that releases will decrease in October to an average daily release of 1,750 cfs.

The next Flaming Gorge Working Group meeting is scheduled for August 26, 2009, in Vernal, Utah. The meeting will be held at 7:00 p.m. at the Western Park Convention Center located at 302 East 200 South in Vernal, Utah. For directions, please call 435-789-7396. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. For more information on this group and these meetings please contact Ed Vidmar at 801-379-1182.

Aspinall Unit Reservoirs – June unregulated inflow into Blue Mesa Reservoir was 229,000 acre-feet or 78 percent of average. Hydrologic conditions in the basin had been relatively wet this last month of June. Precipitation during April, May and June was 120, 125 and 165 percent of average respectively. The basin snowpack has for the most part has been totally depleted. The current inflow rate into Blue Mesa Reservoir is about 2,500 cfs while reservoir releases are averaging about 2,900 cfs. For the last week, reservoir inflows have been slowly decreasing in response to the snowpack melt out. Blue Mesa Reservoir has most likely reached its annual peak on June 26th when it was elevation 7519.15 feet. Its present elevation is 7518.76 feet, which corresponds to a storage content of about 824,000 acre-feet.

On July 6, 2009, the NWS River Forecast Center issued an updated April through July runoff forecast. The forecast is for 785,000 acre-feet, or 109 percent of normal inflow into Blue Mesa Reservoir. This was a reduction of 5,000 acre-feet from the previous month's forecast.

Releases from Crystal Dam are currently set at 3300 cfs and are decreasing 200 cfs per day until the bypass releases are shut off when the total release will be 2100 cfs. The Gunnison Diversion Tunnel is currently diverting about 1000 cfs, which will result in a river flow below the diversion tunnel of approximately 1200 cfs. As in years past there seems to be about 100 cfs discrepancy between the different gage readings. These reservoir release rates may change as conditions warrant, primarily as we respond to changes in the river inflows caused by any large thunderstorm activity.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 27, 2009 at Elk Creek Visitors Center at Blue Mesa Reservoir. At this meeting, review of this spring's reservoir operations, and plans for this summer and fall operations will be discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

Navajo Reservoir – As a result of declining river flows in the San Juan Basin, the Bureau of Reclamation will be increasing the release from Navajo Reservoir to 800 cubic feet per second (cfs) on Wednesday, July 8, 2009, at 4:00 a.m. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

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). It is likely that additional increases in the release will be necessary later in the summer in order to maintain the target base flow. 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.

This year's Spring Release was a short 18 day event which started on May 26th and peaked at 5,000 cfs on June 1st. The peak was held steady for one week and then ramped back down to 500 cfs which was reached by June 12th.

Unregulated inflow into Navajo Reservoir during the month of June was 146,000 acre-feet, or 57 percent of average. Precipitation for the month of June was very wet, which averaged 200 percent of average. Currently, the daily reservoir inflow is averaging about 1,000 cfs. NIIP diversions are currently set at 600 cfs. The reservoir water surface elevation is currently 6069.93 feet, which corresponds to a storage content of about 1,480,000 acre-feet.

On July 6, 2009, the NWS River Forecast Center issued an updated inflow forecast for Navajo Reservoir for the April through July runoff period. This forecast is projecting a volume runoff into the reservoir of 715,000 acre-feet, a increase of 5,000 acre-feet from the June forecast. This represents a 91 percent of normal runoff for the Upper San Juan River Basin.

A public meeting on Navajo Reservoir operations will be held on Tuesday, September 8, 2009 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last spring and summer reservoir operations, and plans for this fall and winter 2009/2010 operations will be discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

Glen Canyon Dam / Lake Powell – The unregulated inflow into Lake Powell during June was 2.71 million acre-feet (maf) which was 88% of average based on the period from 1971-2000. The most probable (median) inflow forecast for June was 2.3 maf so the actual unregulated inflow for the month was 410,000 acre-feet above what was expected. For this reason, the end of month elevation of Lake Powell for June is about 2 feet higher than what was projected in the June 24-month study at 3,640.49 feet above sea level. Through the first 3 month of the April through July runoff period, Lake Powell has received 6.419 maf of unregulated inflow. The most probable (median) inflow forecast for July increased to 1.123 maf and combined with the unregulated inflow received thus far, the updated April through July unregulated inflow forecast for Lake Powell is now 7.55 maf (95% of average).

During July 2009, the scheduled release volume for Lake Powell is 800,000 acre-feet which will result in a daily average release of approximately 13,000 cfs. During weekdays, the afternoon peak release from Glen Canyon Dam will be approximately

16,500 cfs with morning lows of approximately 8,500 cfs. During weekends the afternoon peak release will be approximately 16,250 cfs with morning lows of approximately 8,500 cfs. The projected release volume for August is also 800,000 acre-feet and daily fluctuations should be very similar to July.

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

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

Upper Colorado River Basin Hydrology

The overall precipitation rates during October and November 2008 were well below average at approximately 55% and 80% respectively. In December, however, conditions improved significantly with precipitation measuring approximately 185% of average. Unfortunately this wetter trend did not continue with precipitation in January, February and March measuring 95%, 75% and 65% of average respectively. In April and May conditions returned to a wetter pattern with precipitation estimates of 120% and 105% of average, respectively. Precipitation in June was well above average and estimated to be about 215% of average. The overall water year precipitation rate through June 30, 2009 is 105% of average.

The Climate Prediction Center outlook (dated June 30, 2009) for temperature over the next 3 months indicates that temperatures in the southwest have an increased probability of being above average while precipitation also has an increased probability of being above average in the Upper Colorado River Basin.

Upper Colorado River Basin Drought

The Upper Colorado River Basin continues to experience a protracted multi-year drought. Since 1999, inflow to Lake Powell has been below average in every year except water years 2005 and 2008. In the summer of 1999, Lake Powell was close to full with reservoir storage at 23.5 million acre-feet, or 97 percent of capacity. During the next 5 years (2000 through 2004) unregulated inflow to Lake Powell was well below average. This resulted in Lake Powell storage decreasing during this period to 8.0 million acre-feet (33 percent of capacity) which occurred on April 8, 2005. During 2005 and 2008 drought conditions eased somewhat with net gains in storage to Lake Powell. As of June 30, 2009 the storage in Lake Powell was 16.1 million acre-feet (66 percent of

capacity) which is still below desired levels while the overall reservoir storage in the Colorado River Basin as of June 30, 2009 is 35.5 million acre-feet (59 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

:	mar	apr	may	jun	%Avg	jul	aug	sep	apr-jul	%Avg
GLDA3:Lake Powell	468	789	2922	2709	88%:	1130/	550/	450/	7550/:	95%
GBRW4:Fontenelle	46	91	152	478	134%:	220/	75/	48/	940/:	109%
GRNU1:Flaming Gorge	62	127	213	573	122%:	255/	82/	55/	1170/:	98%
BMDC2:Blue Mesa	40	104	344	229	78%:	110/	60/	35/	785/:	109%
MPSC2:Morrow Point	42	119	377	241	77%:	115/	65/	40/	850/:	108%
CLSC2:Crystal	47	131	431	264	72%:	130/	75/	45/	955/:	104%
TPIC2:Taylor Park	4.5	11.2	46	37	81%:	17.5/	10/	7/	112/:	109%
VCRC2:Vallecito	8.5	22	99	44	53%:	20/	14.5/	16/	185/:	90%
NVRN5:Navajo	76	125	361	146	57%:	85/	45/	40/	715/:	91%
LEMC2:Lemon	1.55	5.2	28	9.2	37%:	4.4/	3.3/	3.2/	46/:	79%
MPHC2:McPhee	13.6	59	144	35e	35%:	11.5/	14/	9.5/	250/:	78%
RBSC2:Ridgway	5.6	12.9	47	36	88%:	/	/	/	119/:	117%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 Most Prob Water Supply
Fontenelle Reservoir

10-jul-2009 11:51:02

	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
* Jul 2008	173	3	104	34	138	6503.99	330
H 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		
S Oct 2008	43	1	65	0	65	6490.51	231
T Nov 2008	41	1	48	13	61	6487.43	211
O Dec 2008	30	1	26	35	60	6482.26	180
R Jan 2009	33	1	61	0	61	6476.93	151
I Feb 2009	27	0	53	0	53	6471.15	124
C Mar 2009	46	0	59	0	59	6467.98	111
A Apr 2009	91	1	57	0	57	6475.63	145
L May 2009	152	1	62	1	64	6490.46	231
* Jun 2009	477	3	91	285	376	6504.01	330
Jul 2009	220	3	99	106	205	6505.51	342
Aug 2009	75	2	93	0	93	6502.94	321
Sep 2009	48	2	68	0	68	6500.12	300
WY 2009	1282	15	780	441	1221		
Oct 2009	48	1	14	57	70	6496.98	277
Nov 2009	41	1	0	68	68	6493.06	249
Dec 2009	32	1	70	0	70	6487.21	210
Jan 2010	30	1	70	0	70	6480.36	169
Feb 2010	27	0	63	0	63	6472.97	132
Mar 2010	51	0	70	0	70	6468.50	113
Apr 2010	89	1	83	0	83	6469.67	118
May 2010	176	1	99	5	105	6483.71	188
Jun 2010	308	2	103	93	196	6499.80	297
Jul 2010	186	3	101	38	138	6505.58	342
Aug 2010	83	2	100	5	105	6502.53	318
Sep 2010	49	2	39	28	68	6499.81	297
WY 2010	1119	15	812	294	1106		
Oct 2010	49	1	54	15	70	6496.74	275
Nov 2010	41	1	68	0	68	6492.86	247
Dec 2010	32	1	70	0	70	6487.08	209
Jan 2011	30	1	70	0	70	6480.30	168
Feb 2011	27	0	63	0	63	6472.93	132
Mar 2011	51	0	70	0	70	6468.50	113
Apr 2011	89	1	83	0	83	6469.67	118
May 2011	176	1	99	5	104	6483.81	189
Jun 2011	308	2	103	93	196	6499.87	298

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 Most Prob Water Supply
 Flaming Gorge Reservoir

10-jul-2009 11:51:02

	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
* Jul 2008	188	153	12	93	0	93	86	6022.43	3066	152	306
H Aug 2008	48	92	12	92	0	92	85	6022.11	3055	29	132
I Sep 2008	40	67	10	89	0	89	84	6021.25	3024	22	126
WY 2008	1018	937	75	893	10	902					3017
S Oct 2008	45	67	7	71	0	71	83	6020.97	3014	21	119
T Nov 2008	47	66	3	65	0	65	83	6020.91	3012	0	107
O Dec 2008	17	48	2	79	0	79	82	6020.01	2980	0	116
R Jan 2009	39	67	2	80	0	80	82	6019.63	2967	0	752
I Feb 2009	37	64	2	62	0	62	82	6019.63	2967	0	104
C Mar 2009	62	75	3	52	0	52	82	6020.18	2986	0	142
A Apr 2009	127	93	5	50	0	50	84	6021.21	3023	0	307
L May 2009	212	125	7	150	0	150	83	6020.33	2991	747	883
* Jun 2009	573	472	10	96	0	96	97	6029.83	3342	513	621
Jul 2009	255	240	14	117	0	117	101	6032.53	3448	0	117
Aug 2009	82	100	13	125	0	125	99	6031.62	3412	0	125
Sep 2009	55	75	11	120	0	120	97	6030.20	3357	0	120
WY 2009	1553	1491	79	1066	0	1066					3513
Oct 2009	57	79	7	109	0	109	96	6029.27	3321	0	109
Nov 2009	50	77	3	104	0	104	95	6028.51	3292	0	104
Dec 2009	37	75	2	114	0	114	93	6027.49	3253	0	114
Jan 2010	41	81	2	114	0	114	92	6026.61	3220	0	114
Feb 2010	45	82	2	103	0	103	91	6026.01	3198	0	103
Mar 2010	103	122	3	114	0	114	91	6026.16	3203	0	114
Apr 2010	142	137	5	110	0	110	92	6026.71	3224	0	110
May 2010	263	192	8	159	0	159	93	6027.35	3248	0	159
Jun 2010	400	288	10	186	0	186	96	6029.66	3336	0	186
Jul 2010	219	172	14	111	0	111	98	6030.83	3381	0	111
Aug 2010	97	118	13	111	0	111	98	6030.70	3376	0	111
Sep 2010	58	77	11	107	0	107	96	6029.68	3337	0	107
WY 2010	1513	1500	80	1441	0	1441					1441
Oct 2010	59	81	7	111	0	111	95	6028.75	3301	0	111
Nov 2010	51	78	3	107	0	107	94	6027.92	3270	0	107
Dec 2010	37	74	2	111	0	111	92	6026.96	3233	0	111
Jan 2011	41	81	2	111	0	111	91	6026.15	3203	0	111
Feb 2011	45	81	2	100	0	100	90	6025.61	3183	0	100
Mar 2011	103	122	3	111	0	111	91	6025.83	3191	0	111
Apr 2011	142	137	5	107	0	107	91	6026.46	3215	0	107
May 2011	263	191	8	151	0	151	93	6027.29	3246	0	151
Jun 2011	400	288	10	186	0	186	96	6029.60	3333	0	186

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 Most Prob Water Supply
Taylor Park Reservoir

10-jul-2009 11:51:02

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Jul 2008	29	34	9322.03	91
H Aug 2008	12	23	9315.69	79
I Sep 2008	8	15	9311.36	72
WY 2008	184	189		
S Oct 2008	7	7	9311.31	72
T Nov 2008	5	5	9311.19	72
O Dec 2008	5	5	9311.34	72
R Jan 2009	5	5	9311.21	72
I Feb 2009	4	5	9310.95	71
C Mar 2009	4	5	9310.68	71
A Apr 2009	11	5	9314.31	77
L May 2009	46	20	9328.38	103
* Jun 2009	37	35	9329.45	105
Jul 2009	19	24	9326.75	100
Aug 2009	10	21	9320.84	88
Sep 2009	7	16	9315.62	79
WY 2009	159	152		
Oct 2009	6	10	9313.23	75
Nov 2009	5	6	9312.52	74
Dec 2009	4	6	9311.56	72
Jan 2010	4	6	9310.43	71
Feb 2010	4	6	9308.99	68
Mar 2010	4	6	9307.86	67
Apr 2010	8	8	9308.07	67
May 2010	27	18	9313.77	76
Jun 2010	43	20	9326.36	99
Jul 2010	20	22	9325.55	97
Aug 2010	10	22	9319.14	85
Sep 2010	7	15	9314.54	77
WY 2010	143	145		
Oct 2010	6	10	9312.19	73
Nov 2010	5	6	9311.51	72
Dec 2010	4	6	9310.53	71
Jan 2011	4	6	9309.39	69
Feb 2011	4	6	9307.93	67
Mar 2011	4	6	9306.78	65
Apr 2011	8	8	9306.99	65
May 2011	27	16	9313.98	76
Jun 2011	43	20	9326.54	99

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	172	176	1	103	0	103	7511.87	762
H 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	1357		
S Oct 2008	33	33	1	85	0	85	7492.14	598
T Nov 2008	27	28	0	33	0	33	7491.42	592
O Dec 2008	28	27	0	36	0	36	7490.25	583
R Jan 2009	26	27	0	39	0	39	7488.62	571
I Feb 2009	24	24	0	42	0	42	7486.19	552
C Mar 2009	40	40	0	49	0	49	7484.97	543
A Apr 2009	104	99	1	61	0	61	7489.84	580
L May 2009	344	317	1	110	10	120	7513.48	776
* Jun 2009	229	227	1	172	3	175	7519.02	826
Jul 2009	110	115	2	138	0	138	7516.36	802
Aug 2009	60	71	1	119	0	119	7510.84	753
Sep 2009	35	44	1	111	0	111	7502.90	685
WY 2009	1060	1053	9	995	13	1009		
Oct 2009	34	38	1	76	0	76	7498.27	647
Nov 2009	30	31	0	46	0	46	7496.44	632
Dec 2009	25	27	0	78	0	78	7490.00	581
Jan 2010	24	26	0	73	0	73	7483.79	534
Feb 2010	22	24	0	62	0	62	7478.55	495
Mar 2010	34	36	0	63	0	63	7474.74	468
Apr 2010	73	73	1	64	0	64	7475.92	477
May 2010	212	203	1	69	0	69	7493.59	610
Jun 2010	271	248	1	69	0	69	7514.77	788
Jul 2010	121	122	2	106	0	106	7516.40	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	945	946	9	940	0	940		
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
Feb 2011	22	24	0	62	0	62	7478.55	495
Mar 2011	34	36	0	63	0	63	7474.74	468
Apr 2011	73	73	1	64	0	64	7475.92	477
May 2011	212	201	1	63	0	63	7494.10	614
Jun 2011	271	248	1	69	0	69	7515.22	792

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	178	103	6	109	0	108	0	108	7152.94	111
H 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	1357	34	1392	1	1365	27	1392		
S Oct 2008	33	85	0	85	0	86	0	86	7153.95	112
T Nov 2008	29	33	2	35	0	35	0	35	7153.60	112
O Dec 2008	29	36	2	38	0	39	0	39	7152.11	111
R Jan 2009	28	39	1	40	0	43	0	43	7148.12	108
I Feb 2009	24	42	1	43	0	45	0	45	7145.98	106
C Mar 2009	42	49	2	51	0	43	6	49	7147.72	107
A Apr 2009	119	61	14	75	0	69	0	69	7155.78	114
L May 2009	377	120	34	154	0	153	2	155	7154.23	112
* Jun 2009	241	175	12	188	0	184	0	184	7158.19	116
Jul 2009	116	138	6	144	0	148	0	148	7153.73	112
Aug 2009	63	119	3	122	0	122	0	122	7153.73	112
Sep 2009	38	111	3	114	0	114	0	114	7153.73	112
WY 2009	1139	1009	80	1088	0	1081	8	1089		
Oct 2009	37	76	3	79	0	79	0	79	7153.73	112
Nov 2009	32	46	2	48	0	48	0	48	7153.73	112
Dec 2009	27	78	2	80	0	80	0	80	7153.73	112
Jan 2010	26	73	2	75	0	75	0	75	7153.73	112
Feb 2010	25	62	3	65	0	65	0	65	7153.73	112
Mar 2010	38	63	4	67	0	67	0	67	7153.73	112
Apr 2010	84	64	11	75	0	75	0	75	7153.73	112
May 2010	237	69	25	94	0	94	0	94	7153.73	112
Jun 2010	292	69	21	90	0	90	0	90	7153.73	112
Jul 2010	127	106	7	113	0	113	0	113	7153.73	112
Aug 2010	65	122	4	126	0	126	0	126	7153.73	112
Sep 2010	39	113	3	116	0	116	0	116	7153.73	112
WY 2010	1031	940	86	1026	0	1026	0	1026		
Oct 2010	38	78	3	81	0	81	0	81	7153.73	112
Nov 2010	33	48	2	50	0	50	0	50	7153.73	112
Dec 2010	27	72	2	74	0	74	0	74	7153.73	112
Jan 2011	26	73	2	75	0	75	0	75	7153.73	112
Feb 2011	25	62	3	65	0	65	0	65	7153.73	112
Mar 2011	38	63	4	67	0	67	0	67	7153.73	112
Apr 2011	84	64	11	75	0	75	0	75	7153.73	112
May 2011	237	63	25	88	0	88	0	88	7153.73	112
Jun 2011	292	69	21	90	0	90	0	90	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	191	108	13	121	123	0	123	6747.80	15	62	73
H Aug 2008	75	117	5	122	123	0	123	6742.41	14	66	66
I Sep 2008	38	115	3	118	118	0	118	6741.71	14	61	63
WY 2008	1520	1392	162	1554	1164	392	1555			356	1283
S Oct 2008	36	86	3	89	89	0	89	6744.34	15	55	45
T Nov 2008	33	35	4	38	39	0	39	6742.20	14	1	40
O Dec 2008	32	39	3	42	42	0	42	6742.53	14	1	43
R Jan 2009	31	43	4	47	38	9	47	6741.02	14	1	49
I Feb 2009	28	45	3	48	24	20	45	6752.05	17	1	46
C Mar 2009	47	49	5	55	55	0	55	6751.30	16	9	47
A Apr 2009	130	69	12	81	80	0	80	6752.70	17	35	48
L May 2009	431	155	53	208	120	88	208	6752.57	17	55	159
* Jun 2009	264	184	23	207	116	91	207	6753.30	17	58	159
Jul 2009	130	148	14	162	134	27	162	6753.04	17	65	97
Aug 2009	75	122	12	134	134	0	134	6753.04	17	65	69
Sep 2009	45	114	7	121	121	0	121	6753.04	17	55	66
WY 2009	1282	1089	143	1232	993	236	1228			399	869
Oct 2009	44	79	7	86	86	0	86	6753.04	17	30	56
Nov 2009	38	48	6	54	54	0	54	6753.04	17	0	54
Dec 2009	32	80	5	85	85	0	85	6753.04	17	0	85
Jan 2010	31	75	5	80	80	0	80	6753.04	17	0	80
Feb 2010	29	65	4	69	69	0	69	6753.04	17	0	69
Mar 2010	46	67	7	74	74	0	74	6753.04	17	5	69
Apr 2010	96	75	12	87	87	0	87	6753.04	17	30	57
May 2010	272	94	35	129	129	0	129	6753.04	17	55	74
Jun 2010	330	90	38	128	128	0	128	6753.04	17	60	68
Jul 2010	144	113	17	130	130	0	130	6753.04	17	65	65
Aug 2010	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2010	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2010	1183	1026	152	1178	1178	0	1178			365	813
Oct 2010	44	81	7	87	87	0	87	6753.04	17	30	57
Nov 2010	38	50	5	55	55	0	55	6753.04	17	0	55
Dec 2010	32	74	5	79	79	0	79	6753.04	17	0	79
Jan 2011	31	75	5	80	80	0	80	6753.04	17	0	80
Feb 2011	29	65	4	69	69	0	69	6753.04	17	0	69
Mar 2011	46	67	7	74	74	0	74	6753.04	17	5	69
Apr 2011	96	75	12	87	87	0	87	6753.04	17	30	57
May 2011	272	88	35	123	123	0	123	6753.04	17	55	68
Jun 2011	330	90	38	128	128	0	128	6753.04	17	60	68

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	32	39	7660.68	114
H Aug 2008	15	38	7651.24	90
I Sep 2008	11	31	7642.57	70
WY 2008	309	319		
S Oct 2008	9	14	7640.18	65
T Nov 2008	5	2	7641.75	68
O Dec 2008	5	2	7643.06	71
R Jan 2009	5	2	7644.39	74
I Feb 2009	5	2	7645.61	77
C Mar 2009	8	4	7647.33	81
A Apr 2009	22	10	7652.11	92
L May 2009	99	66	7664.50	124
* Jun 2009	44	43	7664.64	124
Jul 2009	20	43	7655.63	101
Aug 2009	15	38	7645.71	77
Sep 2009	16	30	7639.20	63
WY 2009	254	256		
Oct 2009	12	17	7636.59	57
Nov 2009	8	6	7637.54	59
Dec 2009	6	3	7638.89	62
Jan 2010	5	3	7639.84	64
Feb 2010	5	3	7640.64	66
Mar 2010	8	3	7642.84	70
Apr 2010	22	12	7647.12	80
May 2010	69	40	7658.86	109
Jun 2010	78	62	7664.67	125
Jul 2010	31	43	7659.89	112
Aug 2010	19	42	7650.64	89
Sep 2010	17	32	7644.16	73
WY 2010	280	266		
Oct 2010	13	19	7641.31	67
Nov 2010	8	7	7641.82	68
Dec 2010	6	5	7642.23	69
Jan 2011	5	5	7642.45	70
Feb 2011	5	4	7642.60	70
Mar 2011	8	5	7644.07	73
Apr 2011	22	13	7647.86	82
May 2011	69	43	7658.37	108
Jun 2011	78	63	7663.69	122

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	82	14	74	4	40	32	6061.63	1369	103
H Aug 2008	31	3	52	4	36	40	6059.46	1341	58
I Sep 2008	31	2	48	3	22	45	6057.74	1319	57
WY 2008	1355	146	1219	28	206	1185			1887
S Oct 2008	28	0	34	2	11	32	6056.83	1308	45
T Nov 2008	21	0	17	1	0	30	6055.68	1294	47
O Dec 2008	19	0	16	1	0	31	6054.38	1278	48
R Jan 2009	23	0	20	1	1	32	6053.29	1265	54
I Feb 2009	28	1	24	1	0	28	6052.85	1259	49
C Mar 2009	76	6	65	2	5	31	6055.13	1287	0
A Apr 2009	125	19	97	2	19	30	6058.76	1332	69
L May 2009	361	52	275	4	29	59	6072.47	1515	264
* Jun 2009	146	24	120	5	36	115	6069.92	1479	187
Jul 2009	85	3	105	5	41	37	6071.47	1501	37
Aug 2009	45	2	67	4	35	40	6070.57	1489	40
Sep 2009	40	0	54	3	20	42	6069.75	1477	42
WY 2009	996	107	894	29	199	509			882
Oct 2009	36	2	40	2	7	31	6069.77	1477	31
Nov 2009	32	0	30	1	0	30	6069.71	1477	30
Dec 2009	24	0	21	1	0	31	6068.96	1466	31
Jan 2010	22	0	20	1	0	31	6068.10	1454	31
Feb 2010	30	0	28	1	0	28	6068.07	1454	28
Mar 2010	88	2	82	2	4	61	6069.11	1468	61
Apr 2010	174	16	148	3	16	60	6074.06	1538	60
May 2010	279	33	216	4	28	200	6072.91	1521	200
Jun 2010	246	29	201	5	43	212	6068.69	1463	212
Jul 2010	74	7	79	5	46	31	6068.52	1460	31
Aug 2010	43	3	63	4	39	31	6067.80	1450	31
Sep 2010	42	1	56	3	22	30	6067.91	1452	30
WY 2010	1092	93	984	30	205	775			775
Oct 2010	38	0	44	2	7	31	6068.21	1456	31
Nov 2010	33	0	32	1	1	30	6068.19	1456	30
Dec 2010	24	0	23	1	1	31	6067.49	1446	31
Jan 2011	22	0	21	1	0	31	6066.73	1436	31
Feb 2011	30	0	30	1	0	28	6066.81	1437	28
Mar 2011	88	2	83	2	4	31	6070.21	1483	31
Apr 2011	174	16	149	3	16	34	6076.95	1580	34
May 2011	279	33	219	4	28	200	6076.03	1566	200
Jun 2011	246	29	203	5	43	212	6072.01	1509	212

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	1709	1430	63	865	0	865	3633.00	17320	15192	887
H Aug 2008	489	596	62	890	0	890	3629.55	17353	14803	914
I Sep 2008	390	555	56	723	0	723	3626.90	17423	14509	738
WY 2008	12344	12417	396	8885	93	8978				9164
S Oct 2008	382	498	38	749	0	749	3623.82	17470	14172	762
T Nov 2008	419	455	36	603	0	603	3621.90	17493	13966	612
O Dec 2008	312	386	28	801	0	801	3617.89	17478	13541	818
R Jan 2009	329	394	9	802	0	802	3614.17	17444	13155	822
I Feb 2009	323	377	9	602	0	602	3612.05	17426	12938	612
C Mar 2009	470	445	16	626	0	626	3610.43	17393	12774	632
A Apr 2009	788	669	25	604	0	604	3611.26	17350	12858	611
L May 2009	2921	2447	31	582	0	582	3629.09	17298	14751	586
* Jun 2009	2701	2217	54	662	0	662	3640.49	17499	16061	670
Jul 2009	1130	1020	55	802	0	802	3641.76	17511	16211	802
Aug 2009	550	684	57	802	0	802	3640.39	17498	16049	802
Sep 2009	450	614	49	595	0	595	3640.15	17496	16021	595
WY 2009	10775	10204	407	8230	0	8230				8325
Oct 2009	500	596	44	615	0	615	3639.66	17492	15963	615
Nov 2009	520	587	37	600	0	600	3639.27	17488	15917	600
Dec 2009	418	554	30	900	0	900	3636.28	17460	15568	900
Jan 2010	384	515	23	1000	0	1000	3632.18	17422	15098	1000
Feb 2010	395	490	21	800	0	800	3629.45	17398	14792	800
Mar 2010	628	646	26	900	0	900	3627.12	17377	14533	900
Apr 2010	952	829	29	973	0	973	3625.66	17364	14372	973
May 2010	2161	1897	40	1000	0	1000	3632.77	17428	15165	1000
Jun 2010	2808	2431	48	1000	0	1000	3643.71	17530	16446	1000
Jul 2010	1345	1232	56	1050	0	1050	3644.67	17539	16562	1050
Aug 2010	566	670	57	1000	0	1000	3641.68	17511	16203	1000
Sep 2010	459	595	49	595	0	595	3641.30	17507	16157	595
WY 2010	11136	11041	461	10433	0	10433				10433
Oct 2010	506	601	45	615	0	615	3640.84	17503	16103	615
Nov 2010	523	594	37	600	0	600	3640.51	17500	16064	600
Dec 2010	418	546	31	800	0	800	3638.27	17479	15800	800
Jan 2011	384	512	23	1000	0	1000	3634.19	17441	15327	1000
Feb 2011	395	487	21	800	0	800	3631.47	17416	15018	800
Mar 2011	628	612	26	900	0	900	3628.88	17393	14728	900
Apr 2011	952	800	29	978	0	978	3627.15	17377	14536	978
May 2011	2161	1883	40	1000	0	1000	3634.09	17440	15316	1000
Jun 2011	2808	2431	48	1000	0	1000	3644.95	17542	16596	1000

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	865	63	73	876	14.2	33	874	773	1104.42	11890
H 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			
S Oct 2008	749	47	47	508	8.3	26	498	794	1107.94	12213
T Nov 2008	603	74	47	675	11.3	15	659	790	1107.33	12157
O Dec 2008	801	62	41	453	7.4	8	432	812	1110.97	12496
R Jan 2009	802	63	34	741	12.1	9	739	817	1111.78	12572
I Feb 2009	602	82	31	679	12.2	9	669	815	1111.43	12539
C Mar 2009	626	62	34	1037	16.9	17	1036	791	1107.40	12164
A Apr 2009	604	36	42	1174	19.7	20	1169	754	1101.26	11604
L May 2009	582	64	47	977	15.9	33	968	729	1096.92	11217
* Jun 2009	662	11	56	750	12.6	23	749	720	1095.26	11071
Jul 2009	802	61	70	827	13.4	38	827	715	1094.50	11004
Aug 2009	802	110	74	796	12.9	39	796	715	1094.53	11007
Sep 2009	595	78	61	672	11.3	34	672	710	1093.53	10920
WY 2009	8230	750	586	9289		270	9214			
Oct 2009	615	73	44	486	7.9	43	486	717	1094.77	11028
Nov 2009	600	73	45	567	9.5	31	567	719	1095.09	11056
Dec 2009	900	65	39	577	9.4	26	577	738	1098.53	11359
Jan 2010	1000	131	32	674	11.0	19	674	763	1102.77	11740
Feb 2010	800	134	30	673	12.1	18	673	776	1104.96	11940
Mar 2010	900	96	34	1004	16.3	25	1004	772	1104.28	11878
Apr 2010	973	75	42	1139	19.1	23	1139	763	1102.67	11732
May 2010	1000	70	48	1004	16.3	32	1004	762	1102.52	11718
Jun 2010	1000	24	58	897	15.1	30	897	764	1102.94	11755
Jul 2010	1050	61	73	898	14.6	32	898	771	1104.06	11858
Aug 2010	1000	110	78	816	13.3	33	816	782	1105.95	12030
Sep 2010	595	78	64	674	11.3	28	674	776	1105.00	11944
WY 2010	10433	990	587	9407		339	9407			
Oct 2010	615	73	47	448	7.3	36	448	786	1106.60	12090
Nov 2010	600	73	47	511	8.6	25	511	791	1107.51	12175
Dec 2010	800	65	41	526	8.6	20	526	808	1110.32	12435
Jan 2011	1000	131	34	674	11.0	19	674	833	1114.34	12815
Feb 2011	800	134	32	667	12.0	18	667	846	1116.48	13020
Mar 2011	900	96	35	1004	16.3	25	1004	842	1115.81	12955
Apr 2011	978	75	44	1137	19.1	23	1137	833	1114.32	12814
May 2011	1000	70	50	1004	16.3	32	1004	832	1114.16	12798
Jun 2011	1000	24	61	894	15.0	30	894	834	1114.55	12835

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	876	-23	896	0	896	14.6	641.79	1666
H 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			
S Oct 2008	508	-18	632	0	632	10.3	633.37	1444
T Nov 2008	675	-23	603	0	603	10.1	635.28	1493
O Dec 2008	453	-23	339	0	339	5.5	638.77	1585
R Jan 2009	741	-25	655	0	655	10.6	641.08	1647
I Feb 2009	679	-18	629	0	629	11.3	642.29	1679
C Mar 2009	1037	-27	1035	0	1035	16.8	641.38	1655
A Apr 2009	1174	-30	1097	0	1097	18.4	643.11	1702
L May 2009	977	-28	916	0	916	14.9	644.36	1736
* Jun 2009	750	-28	788	0	788	13.2	641.92	1669
Jul 2009	827	-23	829	0	829	13.5	641.00	1644
Aug 2009	796	-25	771	0	771	12.5	641.00	1644
Sep 2009	672	-17	735	0	735	12.4	638.00	1564
WY 2009	9289	-284	9026	0	9026			
Oct 2009	486	-4	611	0	611	9.9	633.00	1434
Nov 2009	567	-18	523	0	523	8.8	634.00	1460
Dec 2009	577	-20	435	0	435	7.1	638.71	1583
Jan 2010	674	-22	569	0	569	9.3	641.80	1666
Feb 2010	673	-15	658	0	658	11.9	641.80	1666
Mar 2010	1004	-26	943	0	943	15.3	643.05	1700
Apr 2010	1139	-28	1112	0	1112	18.7	643.00	1699
May 2010	1004	-35	969	0	969	15.8	643.00	1699
Jun 2010	897	-27	897	0	897	15.1	642.00	1671
Jul 2010	898	-23	888	0	888	14.4	641.50	1658
Aug 2010	816	-25	791	0	791	12.9	641.50	1658
Sep 2010	674	-17	751	0	751	12.6	638.00	1564
WY 2010	9407	-260	9147	0	9147			
Oct 2010	448	-4	574	0	574	9.3	633.00	1434
Nov 2010	511	-18	468	0	468	7.9	634.00	1460
Dec 2010	526	-20	384	0	384	6.2	638.71	1583
Jan 2011	674	-22	568	0	568	9.2	641.80	1666
Feb 2011	667	-15	652	0	652	11.7	641.80	1666
Mar 2011	1004	-26	944	0	944	15.3	643.05	1700
Apr 2011	1137	-28	1110	0	1110	18.7	643.00	1699
May 2011	1004	-35	969	0	969	15.8	643.00	1699
Jun 2011	894	-27	894	0	894	15.0	642.00	1671

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	896	-18	728	11.8	87	78	447.86	577	122	2.0
H 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	
S Oct 2008	632	3	452	7.4	77	136	446.55	553	84	1.4
T Nov 2008	603	16	379	6.4	53	168	447.54	571	118	2.0
O Dec 2008	339	15	236	3.8	67	65	446.81	558	139	2.3
R Jan 2009	655	-6	379	6.2	100	171	446.67	555	121	2.0
I Feb 2009	629	3	397	7.2	82	162	446.08	544	162	2.9
C Mar 2009	1035	-7	736	12.0	99	180	446.75	557	208	3.4
A Apr 2009	1097	-5	784	13.2	98	172	448.75	595	205	3.4
L May 2009	916	-2	647	10.5	102	165	448.71	594	122	2.0
* Jun 2009	788	-6	595	10.0	98	94	448.49	590	113	1.9
Jul 2009	829	-18	663	10.8	99	58	448.00	580	118	1.9
Aug 2009	771	-11	627	10.2	99	43	447.50	571	93	1.5
Sep 2009	735	-12	542	9.1	96	98	446.81	557	89	1.5
WY 2009	9026	-30	6438		1071	1513			1571	
Oct 2009	611	6	450	7.3	22	154	446.31	548	74	1.2
Nov 2009	523	13	361	6.1	55	116	446.50	552	103	1.7
Dec 2009	435	11	291	4.7	50	105	446.50	552	117	1.9
Jan 2010	569	25	342	5.6	83	168	446.50	552	119	1.9
Feb 2010	658	28	458	8.3	76	152	446.50	552	154	2.8
Mar 2010	943	30	718	11.7	84	168	446.70	555	204	3.3
Apr 2010	1112	-6	823	13.8	81	163	448.71	594	199	3.3
May 2010	969	-16	700	11.4	84	169	448.71	594	111	1.8
Jun 2010	897	-26	666	11.2	81	123	448.71	594	116	1.9
Jul 2010	888	-18	724	11.8	83	77	448.00	580	119	1.9
Aug 2010	791	-11	627	10.2	83	79	447.50	571	93	1.5
Sep 2010	751	-12	540	9.1	61	151	446.81	557	89	1.5
WY 2010	9147	24	6702		844	1625			1498	
Oct 2010	574	6	449	7.3	24	116	446.31	548	74	1.2
Nov 2010	468	13	361	6.1	24	92	446.50	552	103	1.7
Dec 2010	384	11	295	4.8	24	75	446.50	552	118	1.9
Jan 2011	568	25	341	5.5	84	168	446.50	552	119	1.9
Feb 2011	652	28	452	8.1	75	152	446.50	552	149	2.7
Mar 2011	944	30	718	11.7	84	169	446.70	555	206	3.4
Apr 2011	1110	-6	821	13.8	81	164	448.71	594	200	3.4
May 2011	969	-16	699	11.4	84	170	448.71	594	113	1.8
Jun 2011	894	-26	663	11.1	81	124	448.71	594	115	1.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	876	14.2	1104.42	11890	-51	0.00	1672.0	344.2	100	392.8
H 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		
S Oct 2008	508	8.3	1107.94	12213	201	0.00	1038.0	188.5	61	370.8
T Nov 2008	675	11.3	1107.33	12157	-56	0.00	926.0	263.1	55	389.9
O Dec 2008	453	7.4	1110.97	12496	339	0.00	1523.0	171.3	88	377.7
R Jan 2009	741	12.1	1111.78	12572	76	0.00	1305.0	299.0	75	403.3
I Feb 2009	679	12.2	1111.43	12539	-33	0.00	1415.0	263.8	81	388.5
C Mar 2009	1037	16.9	1107.40	12164	-376	0.00	950.0	415.9	55	401.2
A Apr 2009	1174	19.7	1101.26	11604	-560	0.00	1284.0	474.0	76	403.7
L May 2009	977	15.9	1096.92	11217	-387	0.00	1411.0	381.7	85	390.6
* Jun 2009	750	12.6	1095.26	11071	-146	0.00	1641.0	287.2	100	383.1
Jul 2009	827	13.4	1094.50	11004	-67	442.28	1640.0	330.9	100	400.1
Aug 2009	796	12.9	1094.53	11007	3	442.22	1641.0	316.9	100	398.3
Sep 2009	672	11.3	1093.53	10920	-88	442.72	1635.0	263.1	100	391.8
WY 2009	9289							3655.3		
Oct 2009	486	7.9	1094.77	11028	108	448.09	1143.0	194.2	70	399.7
Nov 2009	567	9.5	1095.09	11056	28	449.20	1342.0	224.7	82	396.6
Dec 2009	577	9.4	1098.53	11359	303	448.91	1449.0	227.8	87	394.7
Jan 2010	674	11.0	1102.77	11740	381	451.38	1279.0	270.3	76	400.9
Feb 2010	673	12.1	1104.96	11940	200	452.86	1400.0	273.4	83	406.3
Mar 2010	1004	16.3	1104.28	11878	-62	453.28	1384.0	409.3	82	407.8
Apr 2010	1139	19.1	1102.67	11732	-146	451.73	1375.0	473.8	82	416.1
May 2010	1004	16.3	1102.52	11718	-14	449.59	1573.0	402.8	94	401.3
Jun 2010	897	15.1	1102.94	11755	37	449.39	1680.0	361.3	100	402.9
Jul 2010	898	14.6	1104.06	11858	102	450.65	1695.0	361.0	100	402.1
Aug 2010	816	13.3	1105.95	12030	173	452.31	1713.0	332.6	100	407.7
Sep 2010	674	11.3	1105.00	11944	-87	453.91	1707.0	270.0	100	400.7
WY 2010	9407							3801.2		
Oct 2010	448	7.3	1106.60	12090	147	457.03	1611.0	178.8	94	399.0
Nov 2010	511	8.6	1107.51	12175	84	459.92	1616.0	202.5	94	396.3
Dec 2010	526	8.6	1110.32	12435	261	460.94	1502.2	209.3	87	397.6
Jan 2011	674	11.0	1114.34	12815	380	463.00	1311.8	276.0	76	409.7
Feb 2011	667	12.0	1116.48	13020	205	464.34	1424.8	276.5	83	414.7
Mar 2011	1004	16.3	1115.81	12955	-64	464.74	1411.9	418.9	82	417.1
Apr 2011	1137	19.1	1114.32	12814	-142	463.26	1414.4	484.1	82	425.8
May 2011	1004	16.3	1114.16	12798	-16	461.16	1619.1	412.2	94	410.6
Jun 2011	894	15.0	1114.55	12835	37	460.94	1722.0	368.4	100	412.0

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	896	14.6	641.79	1666	-43	0.00	255.0	111.7	100	124.6
H 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		
S Oct 2008	632	10.3	633.37	1444	-141	0.00	211.7	74.9	83	118.6
T Nov 2008	603	10.1	635.28	1493	49	0.00	186.2	71.8	73	119.1
O Dec 2008	339	5.5	638.77	1585	91	0.00	163.2	42.1	64	124.2
R Jan 2009	655	10.6	641.08	1647	62	0.00	155.6	80.8	61	123.4
I Feb 2009	629	11.3	642.29	1679	33	0.00	193.8	79.3	76	126.1
C Mar 2009	1035	16.8	641.38	1655	-25	0.00	255.0	121.2	100	117.1
A Apr 2009	1097	18.4	643.11	1702	47	0.00	255.0	135.7	100	123.7
L May 2009	916	14.9	644.36	1736	34	0.00	255.0	115.6	100	126.3
* Jun 2009	788	13.2	641.92	1669	-67	0.00	255.0	99.5	100	126.2
Jul 2009	829	13.5	641.00	1644	-25	134.42	255.0	103.1	100	124.4
Aug 2009	771	12.5	641.00	1644	0	133.94	255.0	95.8	100	124.3
Sep 2009	735	12.4	638.00	1564	-80	132.36	255.0	90.4	100	123.0
WY 2009	9026							1110.1		
Oct 2009	611	9.9	633.00	1434	-130	129.25	216.8	73.5	85	120.3
Nov 2009	523	8.8	634.00	1460	26	128.21	183.6	62.2	72	118.9
Dec 2009	435	7.1	638.71	1583	123	131.03	188.7	53.1	74	122.2
Jan 2010	569	9.3	641.80	1666	83	135.19	186.2	71.0	73	124.8
Feb 2010	658	11.9	641.80	1666	0	136.23	204.0	82.4	80	125.2
Mar 2010	943	15.3	643.05	1700	34	135.64	247.3	117.6	97	124.7
Apr 2010	1112	18.7	643.00	1699	-2	136.07	255.0	138.1	100	124.2
May 2010	969	15.8	643.00	1699	0	136.04	255.0	121.1	100	125.0
Jun 2010	897	15.1	642.00	1671	-27	135.51	255.0	111.9	100	124.8
Jul 2010	888	14.4	641.50	1658	-14	134.73	255.0	110.4	100	124.3
Aug 2010	791	12.9	641.50	1658	0	134.46	255.0	98.5	100	124.6
Sep 2010	751	12.6	638.00	1564	-94	132.63	255.0	92.4	100	123.1
WY 2010	9147							1132.4		
Oct 2010	574	9.3	633.00	1434	-130	128.65	237.2	69.1	93	120.5
Nov 2010	468	7.9	634.00	1460	26	126.61	234.6	55.8	92	119.3
Dec 2010	384	6.2	638.71	1583	123	129.47	239.7	47.0	94	122.5
Jan 2011	568	9.2	641.80	1666	83	134.16	219.3	70.9	86	124.8
Feb 2011	652	11.7	641.80	1666	0	135.05	244.8	81.7	96	125.3
Mar 2011	944	15.3	643.05	1700	34	135.44	255.0	117.6	100	124.7
Apr 2011	1110	18.7	643.00	1699	-2	136.07	255.0	137.9	100	124.2
May 2011	969	15.8	643.00	1699	0	136.04	255.0	121.1	100	125.0
Jun 2011	894	15.0	642.00	1671	-27	135.51	255.0	111.6	100	124.8

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	728	11.8	447.86	577	-14	0.00	90.0	48.9	75	67.3
H 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		
S Oct 2008	452	7.4	446.55	553	-31	0.00	90.0	31.2	75	68.9
T Nov 2008	379	6.4	447.54	571	18	0.00	90.0	26.2	75	69.1
O Dec 2008	236	3.8	446.81	558	-14	0.00	85.2	15.3	71	64.7
R Jan 2009	379	6.2	446.67	555	-3	0.00	78.0	25.9	65	68.2
I Feb 2009	397	7.2	446.08	544	-11	0.00	90.0	27.2	75	68.5
C Mar 2009	736	12.0	446.75	556	12	0.00	87.6	49.2	73	66.8
A Apr 2009	784	13.2	448.75	595	38	0.00	111.6	53.8	93	68.6
L May 2009	647	10.5	448.71	594	-1	0.00	120.0	44.9	100	69.4
* Jun 2009	595	10.0	448.49	590	-4	0.00	120.0	41.3	100	69.5
Jul 2009	663	10.8	448.00	580	-10	75.61	120.0	43.8	100	66.0
Aug 2009	627	10.2	447.50	571	-10	75.13	120.0	41.1	100	65.6
Sep 2009	542	9.1	446.81	557	-13	75.95	90.0	35.9	75	66.2
WY 2009	6438							435.6		
Oct 2009	450	7.3	446.31	548	-9	75.37	90.0	29.3	75	65.2
Nov 2009	361	6.1	446.50	552	3	76.73	64.8	23.8	54	65.9
Dec 2009	291	4.7	446.50	552	0	75.32	90.0	18.5	75	63.5
Jan 2010	342	5.6	446.50	552	0	76.35	72.0	22.3	60	65.1
Feb 2010	458	8.3	446.50	552	0	75.38	88.8	30.1	74	65.6
Mar 2010	718	11.7	446.70	555	4	74.01	120.0	46.6	100	65.0
Apr 2010	823	13.8	448.71	594	38	75.09	120.0	54.4	100	66.1
May 2010	700	11.4	448.71	594	0	76.06	120.0	46.5	100	66.5
Jun 2010	666	11.2	448.71	594	0	76.06	120.0	44.3	100	66.4
Jul 2010	724	11.8	448.00	580	-14	75.72	120.0	48.0	100	66.3
Aug 2010	627	10.2	447.50	571	-10	75.13	120.0	41.1	100	65.6
Sep 2010	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
WY 2010	6702							440.0		
Oct 2010	449	7.3	446.31	548	-9	73.97	120.0	28.7	100	63.9
Nov 2010	361	6.1	446.50	552	3	74.98	94.8	23.2	79	64.2
Dec 2010	295	4.8	446.50	552	0	73.92	120.0	18.4	100	62.5
Jan 2011	341	5.5	446.50	552	0	74.71	102.0	21.7	85	63.7
Feb 2011	452	8.1	446.50	552	0	74.60	104.4	29.3	87	64.8
Mar 2011	718	11.7	446.70	555	4	74.01	120.0	46.6	100	65.0
Apr 2011	821	13.8	448.71	594	38	75.09	120.0	54.3	100	66.1
May 2011	699	11.4	448.71	594	0	76.06	120.0	46.5	100	66.5
Jun 2011	663	11.1	448.71	594	0	76.06	120.0	44.1	100	66.4

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2009 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
* Jul 2008	390	36	31	39	23	9
H Aug 2008	400	36	36	42	22	8
I Sep 2008	323	34	34	41	21	5
Summer 2008	1114	106	102	121	66	22
S Oct 2008	334	27	25	30	17	5
T Nov 2008	267	25	9	12	6	4
O Dec 2008	355	30	10	14	7	2
R Jan 2009	352	31	11	15	6	4
I Feb 2009	262	24	12	15	4	3
C Mar 2009	271	20	14	15	10	3
Winter 2009	1840	156	81	101	50	21
A Apr 2009	260	19	17	24	16	3
L May 2009	256	57	33	55	23	4
* Jun 2009	301	38	54	66	22	8
Jul 2009	344	43	44	53	23	10
Aug 2009	344	46	37	44	23	9
Sep 2009	255	44	34	41	21	6
Summer 2009	1759	247	219	283	128	40
Oct 2009	263	40	23	28	15	1
Nov 2009	257	38	14	17	9	0
Dec 2009	384	42	23	29	15	6
Jan 2010	423	42	21	27	14	5
Feb 2010	336	38	18	24	12	5
Mar 2010	377	42	18	24	13	5
Winter 2010	2039	240	117	149	77	22
Apr 2010	406	40	18	27	15	5
May 2010	420	58	20	34	22	7
Jun 2010	426	68	21	32	22	9
Jul 2010	452	41	33	41	22	10
Aug 2010	430	41	38	45	23	10
Sep 2010	256	39	35	42	21	4
Summer 2010	2390	287	165	221	126	44
Oct 2010	264	41	24	29	15	5
Nov 2010	257	39	14	18	10	6
Dec 2010	342	40	21	27	14	6
Jan 2011	425	40	21	27	14	5
Feb 2011	337	36	18	24	12	5
Mar 2011	378	40	18	24	13	5
Winter 2011	2002	238	117	149	77	31
Apr 2011	410	39	18	27	15	5
May 2011	420	55	18	32	21	7
Jun 2011	427	68	21	32	22	9

model_run_id = 2025

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 * * * *								
JUL	2009	422	3	217	8259	8900	16309	25209	138	-28	68	178	8259	16309	24746	1500	827	0	35.8	
		* * * * C R E D I T A B L E S P A C E * * * *										* * * * E F F E C T I V E S P A C E * * * *								
AUG	2009	304	27	195	8109	8635	16376	25011	304	27	195	527	8109	16376	25011	1500	796	0	35.5	
SEP	2009	361	76	207	8271	8915	16373	25288	361	76	207	644	8271	16373	25288	2270	672	0	35.1	
OCT	2009	437	144	219	8299	9099	16460	25559	437	144	219	800	8299	16460	25559	3040	486	0	34.9	
NOV	2009	496	182	219	8357	9254	16352	25607	496	182	219	897	8357	16352	25607	3810	567	0	34.8	
DEC	2009	553	197	219	8403	9373	16324	25697	553	197	219	970	8403	16324	25697	4580	577	0	34.8	
JAN	2010	631	248	230	8752	9861	16021	25882	631	248	230	1109	8752	16021	25882	5350	674	0	34.6	
		* * * * 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	2010	631	248	230	8752	9861	16021	25882	318	248	151	717	8752	16021	25490	5350	674	0	34.6	
FEB	2010	705	295	242	9222	10464	15640	26104	391	295	162	848	9222	15640	25710	1500	673	0	34.4	
MAR	2010	764	334	242	9528	10868	15440	26308	448	334	161	943	9528	15440	25911	1500	1004	0	34.1	
APR	2010	778	361	228	9787	11154	15502	26656	458	361	141	961	9787	15502	26250	1500	1139	0	33.9	
MAY	2010	752	353	158	9948	11211	15648	26859	426	353	53	832	9948	15648	26428	1500	1004	0	34.9	
JUN	2010	658	220	175	9155	10207	15662	25869	322	217	37	576	9155	15662	25393	1500	897	0	36.6	
JUL	2010	461	42	233	7874	8610	15625	24235	109	15	48	171	7874	15625	23670	1500	898	0	36.9	
		* * * * 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	370	27	236	7758	8391	15522	23913	370	27	236	633	7758	15522	23913	1500	816	0	36.6	
SEP	2010	399	77	246	8117	8839	15350	24188	399	77	246	722	8117	15350	24188	2270	674	0	36.2	
OCT	2010	459	147	244	8163	9013	15436	24449	459	147	244	850	8163	15436	24449	3040	448	0	36.1	
NOV	2010	518	186	240	8217	9161	15290	24451	518	186	240	944	8217	15290	24451	3810	511	0	36.1	
DEC	2010	577	203	240	8256	9276	15205	24482	577	203	240	1020	8256	15205	24482	4580	526	0	36.0	
JAN	2011	652	248	250	8520	9669	14945	24614	652	248	250	1150	8520	14945	24614	5350	674	0	35.9	
		* * * * 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	2011	652	248	250	8520	9669	14945	24614	336	248	217	801	8520	14945	24266	5350	674	0	35.9	
FEB	2011	723	295	260	8993	10271	14565	24835	406	295	227	928	8993	14565	24485	1500	667	0	35.7	
MAR	2011	779	334	259	9302	10674	14360	25034	460	334	225	1019	9302	14360	24681	1500	1004	0	35.4	
APR	2011	790	361	213	9592	10956	14425	25381	468	361	172	1001	9592	14425	25018	1500	1137	0	35.2	
MAY	2011	761	353	116	9784	11015	14566	25581	433	353	57	843	9784	14566	25193	1500	1004	0	36.2	
JUN	2011	660	216	130	9004	10010	14582	24592	321	213	38	572	9004	14582	24159	1500	894	0	37.9	