

To: All Annual Operating Plan Recipients

From: Lower Colorado Region  
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In addition to the April 2011 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios in water year 2011. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded only 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. There are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:  
<http://www.usbr.gov/lc/region/q4000/24mo/2011/April-Chart.pdf>.

The operation of Lake Powell and Lake Mead in this April 2011 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 2011 AOP. Pursuant to the Interim Guidelines, the Lake Powell operational tier for water year 2011 is the Upper Elevation Balancing Tier. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar year 2011.

Consistent with Section 6.B.3 of the Interim Guidelines, if the April 24-Month study projects the September 30 Lake Powell elevation to be greater than the 2011 Equalization elevation of 3,643 feet, the Equalization Tier will govern operations of Lake Powell for the remainder of the water year. With a Lake Powell water year release volume of 8.23 maf, the April 2011 **Probable Maximum inflow scenario** projects Lake Powell's 2011 end of water year elevation to be above the 2011 Equalization Elevation of 3,643 feet. Consistent with this provision, the Probable Maximum inflow scenario shows an April adjustment to the Equalization Tier in 2011. Under this scenario, the annual release from Glen Canyon Dam is projected to be 12.36 maf, with Lake Mead ending the water year at elevation 1,114.45 feet.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Fontenelle Reservoir**



Date	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 Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	
*	Apr 2010	63	1	47	1	48	6471.88	127
H	May 2010	40	1	49	0	49	6469.44	117
I	Jun 2010	251	2	50	1	51	6502.04	314
S	Jul 2010	134	3	91	22	113	6504.39	333
T	Aug 2010	50	2	68	0	68	6501.76	312
O	Sep 2010	29	2	26	35	61	6497.33	279
	<b>WY 2010</b>	<b>781</b>	<b>14</b>	<b>530</b>	<b>233</b>	<b>763</b>		
R	Oct 2010	31	1	5	55	59	6493.24	250
I	Nov 2010	34	1	53	1	54	6490.17	229
C	Dec 2010	37	1	55	0	55	6487.27	210
A	Jan 2011	29	1	55	0	55	6482.87	183
L	Feb 2011	26	1	50	0	50	6478.35	158
*	Mar 2011	36	1	58	0	58	6473.74	136
	Apr 2011	147	1	96	16	112	6480.56	170
	May 2011	319	2	103	155	258	6490.06	229
	Jun 2011	523	2	105	348	452	6499.80	297
	Jul 2011	261	3	101	114	215	6505.41	341
	Aug 2011	109	2	99	24	123	6503.41	325
	Sep 2011	61	2	36	38	74	6501.38	309
	<b>WY 2011</b>	<b>1613</b>	<b>16</b>	<b>817</b>	<b>750</b>	<b>1567</b>		
	Oct 2011	57	1	77	0	77	6498.56	288
	Nov 2011	47	1	74	0	74	6494.70	260
	Dec 2011	35	1	77	0	77	6488.34	217
	Jan 2012	33	1	77	0	77	6481.13	173
	Feb 2012	31	1	72	0	72	6472.79	131
	Mar 2012	58	0	77	0	77	6468.25	112
	Apr 2012	109	1	83	0	83	6473.95	137
	May 2012	233	1	100	84	184	6483.08	184
	Jun 2012	403	2	103	183	286	6500.03	299
	Jul 2012	254	3	101	108	209	6505.48	341
	Aug 2012	107	2	99	24	123	6503.18	323
	Sep 2012	59	2	72	0	72	6501.29	309
	<b>WY 2012</b>	<b>1425</b>	<b>15</b>	<b>1012</b>	<b>399</b>	<b>1411</b>		
	Oct 2012	55	1	74	0	74	6498.65	289
	Nov 2012	45	1	72	0	72	6494.84	261
	Dec 2012	32	1	74	0	74	6488.52	219
	Jan 2013	30	1	74	0	74	6481.32	174
	Feb 2013	28	1	67	0	67	6473.52	135
	Mar 2013	52	0	74	0	74	6468.23	112

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

Model Run ID: 2096

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Flaming Gorge Reservoir**



		Unreg Inflow (1000 Ac-Ft)	Reg 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 Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
Date											
*	Apr 2010	96	81	5	49	0	49	130	6026.69	3223	237
H	May 2010	72	81	8	101	0	101	129	6025.97	3196	537
I	Jun 2010	387	187	10	138	0	138	130	6026.97	3234	736
S	Jul 2010	151	130	13	96	0	96	131	6027.51	3254	195
T	Aug 2010	54	72	12	100	0	100	129	6026.47	3215	135
O	Sep 2010	22	54	10	106	0	106	127	6024.83	3154	127
	<b>WY 2010</b>	<b>1018</b>	<b>1000</b>	<b>79</b>	<b>1168</b>	<b>1</b>	<b>1169</b>			<b>2764</b>	
R	Oct 2010	32	60	7	77	0	77	126	6024.21	3131	113
I	Nov 2010	31	52	4	63	0	63	125	6023.83	3117	107
C	Dec 2010	45	64	2	68	0	68	125	6023.67	3111	114
A	Jan 2011	44	70	2	68	0	68	125	6023.69	3112	525
L	Feb 2011	36	60	2	67	0	67	125	6023.47	3104	489
*	Mar 2011	98	120	3	59	0	59	127	6024.99	3160	181
	Apr 2011	260	225	5	160	0	160	129	6026.55	3218	160
	May 2011	534	474	8	265	0	265	137	6031.61	3411	265
	Jun 2011	678	607	11	268	0	268	150	6039.40	3727	268
	Jul 2011	77	31	15	160	0	160	144	6036.06	3589	160
	Aug 2011	128	141	13	160	0	160	143	6035.29	3558	160
	Sep 2011	75	89	12	155	0	155	140	6033.44	3484	155
	<b>WY 2011</b>	<b>2040</b>	<b>1994</b>	<b>83</b>	<b>1568</b>	<b>0</b>	<b>1568</b>			<b>2697</b>	
	Oct 2011	74	94	8	160	0	160	137	6031.64	3413	160
	Nov 2011	61	88	4	155	0	155	135	6029.90	3345	155
	Dec 2011	41	83	2	160	0	160	131	6027.92	3269	160
	Jan 2012	47	91	2	160	0	160	129	6026.11	3201	160
	Feb 2012	52	94	2	150	0	150	127	6024.60	3146	150
	Mar 2012	118	137	3	160	0	160	126	6023.93	3121	160
	Apr 2012	177	152	5	157	0	157	125	6023.68	3112	157
	May 2012	356	307	7	289	57	346	123	6022.44	3067	346
	Jun 2012	538	421	10	130	0	130	134	6029.68	3337	130
	Jul 2012	303	258	14	125	0	125	139	6032.64	3452	125
	Aug 2012	131	147	13	125	0	125	139	6032.85	3460	125
	Sep 2012	75	88	12	121	0	121	137	6031.77	3418	121
	<b>WY 2012</b>	<b>1973</b>	<b>1958</b>	<b>81</b>	<b>1889</b>	<b>57</b>	<b>1946</b>			<b>1946</b>	
	Oct 2012	71	90	7	125	0	125	136	6030.73	3377	125
	Nov 2012	56	83	4	121	0	121	134	6029.71	3338	121
	Dec 2012	36	78	2	125	0	125	132	6028.49	3291	125
	Jan 2013	41	85	2	125	0	125	131	6027.44	3251	125
	Feb 2013	46	85	2	112	0	112	130	6026.68	3223	112
	Mar 2013	104	126	3	125	0	125	130	6026.65	3221	125

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Taylor Park Reservoir**



	<b>Regulated Inflow (1000 Ac-Ft)</b>	<b>Total Release (1000 Ac-Ft)</b>	<b>Reservoir Elev End of Month (Ft)</b>	<b>Live Storage (1000 Ac-Ft)</b>
Date				
*	Apr 2010	11	6	9308.40
H	May 2010	22	9	9316.36
I	Jun 2010	35	18	9325.55
S	Jul 2010	10	20	9320.19
T	Aug 2010	10	17	9316.06
O	Sep 2010	6	14	9311.57
	<b>WY 2010</b>	<b>121</b>	<b>122</b>	
R	Oct 2010	7	6	9312.21
I	Nov 2010	5	5	9312.27
C	Dec 2010	5	5	9312.71
A	Jan 2011	5	5	9312.70
L	Feb 2011	4	4	9312.51
*	Mar 2011	5	6	9311.89
	Apr 2011	11	27	9301.32
	May 2011	47	35	9309.10
	Jun 2011	67	35	9327.29
	Jul 2011	28	35	9323.76
	Aug 2011	13	24	9317.80
	Sep 2011	9	20	9311.08
	<b>WY 2011</b>	<b>205</b>	<b>205</b>	
	Oct 2011	7	12	9308.02
	Nov 2011	6	6	9307.82
	Dec 2011	5	6	9307.30
	Jan 2012	5	6	9306.53
	Feb 2012	4	6	9305.28
	Mar 2012	5	10	9301.58
	Apr 2012	10	18	9295.35
	May 2012	32	22	9303.14
	Jun 2012	55	35	9315.73
	Jul 2012	26	35	9310.17
	Aug 2012	12	24	9302.24
	Sep 2012	8	20	9293.27
	<b>WY 2012</b>	<b>175</b>	<b>200</b>	
	Oct 2012	7	12	9288.72
	Nov 2012	5	6	9287.94
	Dec 2012	4	6	9286.48
	Jan 2013	4	6	9284.71
	Feb 2013	4	6	9282.63
	Mar 2013	4	6	9280.75

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Blue Mesa Reservoir**



Date	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 Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	
*	Apr 2010	96	92	1	45	0	45	7490.80	588
H	May 2010	143	131	1	110	6	116	7492.59	602
I	Jun 2010	205	186	1	51	0	51	7508.76	735
S	Jul 2010	50	60	1	98	0	98	7504.17	696
T	Aug 2010	56	63	1	92	0	92	7500.54	666
O	Sep 2010	23	31	1	86	0	86	7493.54	609
	<b>WY 2010</b>	<b>725</b>	<b>727</b>	<b>8</b>	<b>754</b>	<b>6</b>	<b>760</b>		
R	Oct 2010	29	29	1	85	0	85	7486.20	552
I	Nov 2010	27	27	0	24	0	24	7486.60	555
C	Dec 2010	30	29	0	27	0	27	7486.84	557
A	Jan 2011	23	23	0	27	0	27	7486.34	553
L	Feb 2011	21	21	0	43	0	43	7483.46	532
*	Mar 2011	38	39	0	75	0	75	7478.48	495
	Apr 2011	119	135	1	103	0	103	7482.81	527
	May 2011	320	309	1	205	37	242	7491.43	593
	Jun 2011	400	368	1	191	0	191	7512.53	768
	Jul 2011	145	152	2	116	0	116	7516.40	803
	Aug 2011	73	84	1	123	0	123	7511.93	763
	Sep 2011	43	54	1	116	0	116	7504.62	700
	<b>WY 2011</b>	<b>1269</b>	<b>1270</b>	<b>9</b>	<b>1134</b>	<b>37</b>	<b>1171</b>		
	Oct 2011	42	46	1	87	0	87	7499.67	659
	Nov 2011	34	34	0	57	0	57	7496.84	636
	Dec 2011	28	28	0	82	0	82	7490.00	581
	Jan 2012	26	27	0	98	0	98	7480.69	511
	Feb 2012	24	26	0	91	0	91	7471.47	446
	Mar 2012	38	44	0	120	0	120	7459.63	369
	Apr 2012	88	96	1	101	0	101	7458.71	363
	May 2012	268	258	1	176	0	176	7471.24	444
	Jun 2012	361	341	1	47	0	47	7509.02	737
	Jul 2012	159	169	2	102	0	102	7516.40	802
	Aug 2012	78	90	1	121	0	121	7512.84	771
	Sep 2012	45	57	1	114	0	114	7506.10	712
	<b>WY 2012</b>	<b>1190</b>	<b>1215</b>	<b>8</b>	<b>1195</b>	<b>0</b>	<b>1195</b>		
	Oct 2012	40	45	1	82	0	82	7501.74	676
	Nov 2012	32	32	0	52	0	52	7499.33	656
	Dec 2012	25	27	0	101	0	101	7490.00	581
	Jan 2013	24	26	0	98	0	98	7480.48	509
	Feb 2013	22	24	0	87	0	87	7471.56	446
	Mar 2013	34	36	0	55	0	55	7468.67	427

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Morrow Point Reservoir**



	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa 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 Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2010	107	45	11	57	55	0	55	7149.84	109
H	May 2010	159	116	16	132	129	0	129	7154.46	113
I	Jun 2010	216	51	12	63	64	0	64	7153.15	112
S	Jul 2010	51	98	1	98	96	0	96	7156.02	114
T	Aug 2010	56	92	1	93	93	0	93	7155.63	114
O	Sep 2010	23	86	0	87	92	0	92	7148.78	108
	<b>WY 2010</b>	<b>773</b>	<b>760</b>	<b>48</b>	<b>807</b>	<b>805</b>	<b>0</b>	<b>805</b>		
R	Oct 2010	30	85	1	86	82	0	82	7153.88	112
I	Nov 2010	29	24	1	25	26	0	26	7152.79	111
C	Dec 2010	30	27	0	28	27	0	27	7153.98	112
A	Jan 2011	23	27	0	27	27	0	27	7153.70	112
L	Feb 2011	21	43	0	43	44	0	44	7152.08	111
*	Mar 2011	38	75	1	75	73	0	73	7154.37	113
	Apr 2011	132	103	13	116	116	0	116	7153.73	112
	May 2011	345	242	25	266	266	0	266	7153.73	112
	Jun 2011	416	191	16	207	207	0	207	7153.73	112
	Jul 2011	147	116	2	118	118	0	118	7153.73	112
	Aug 2011	75	123	2	125	125	0	125	7153.73	112
	Sep 2011	45	116	2	118	118	0	118	7153.73	112
	<b>WY 2011</b>	<b>1332</b>	<b>1171</b>	<b>63</b>	<b>1234</b>	<b>1230</b>	<b>0</b>	<b>1230</b>		
	Oct 2011	44	87	3	90	90	0	90	7153.73	112
	Nov 2011	35	57	2	59	59	0	59	7153.73	112
	Dec 2011	29	82	2	84	84	0	84	7153.73	112
	Jan 2012	28	98	2	100	100	0	100	7153.73	112
	Feb 2012	27	91	3	94	94	0	94	7153.73	112
	Mar 2012	42	120	4	124	124	0	124	7153.73	112
	Apr 2012	101	101	13	114	114	0	114	7153.73	112
	May 2012	301	176	33	209	209	0	209	7153.73	112
	Jun 2012	393	47	31	78	78	0	78	7153.73	112
	Jul 2012	168	102	9	111	111	0	111	7153.73	112
	Aug 2012	81	121	3	124	124	0	124	7153.73	112
	Sep 2012	48	114	3	117	117	0	117	7153.73	112
	<b>WY 2012</b>	<b>1298</b>	<b>1195</b>	<b>107</b>	<b>1302</b>	<b>1302</b>	<b>0</b>	<b>1302</b>		
	Oct 2012	43	82	3	84	84	0	84	7153.73	112
	Nov 2012	34	52	2	54	54	0	54	7153.73	112
	Dec 2012	27	101	2	103	103	0	103	7153.73	112
	Jan 2013	26	98	2	100	100	0	100	7153.73	112
	Feb 2013	25	87	3	90	90	0	90	7153.73	112
	Mar 2013	38	55	4	59	59	0	59	7153.73	112

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Crystal Reservoir**



	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
Date											
*	Apr 2010	118	55	11	66	66	0	66	6750.96	16	34
H	May 2010	179	129	20	148	108	36	148	6752.53	17	60
I	Jun 2010	242	64	25	89	89	0	89	6752.91	17	56
S	Jul 2010	55	96	4	100	100	0	100	6751.15	16	69
T	Aug 2010	61	93	5	98	98	0	98	6749.05	16	68
O	Sep 2010	26	92	3	95	95	0	95	6748.16	16	63
	<b>WY 2010</b>	<b>859</b>	<b>805</b>	<b>86</b>	<b>891</b>	<b>824</b>	<b>63</b>	<b>890</b>		<b>415</b>	<b>528</b>
R	Oct 2010	34	82	4	86	85	0	85	6750.41	16	51
I	Nov 2010	32	26	4	30	30	0	30	6748.60	16	1
C	Dec 2010	34	27	4	31	31	0	31	6748.24	16	1
A	Jan 2011	27	27	4	31	30	1	31	6749.02	16	1
L	Feb 2011	24	44	3	47	24	23	46	6751.55	17	1
*	Mar 2011	43	73	5	78	78	0	78	6751.94	17	5
	Apr 2011	146	116	14	130	130	0	130	6753.04	17	30
	May 2011	385	266	41	307	134	173	307	6753.04	17	55
	Jun 2011	455	207	39	246	130	116	246	6753.04	17	60
	Jul 2011	163	118	16	134	134	0	134	6753.04	17	65
	Aug 2011	84	125	8	133	133	0	133	6753.04	17	65
	Sep 2011	52	118	7	125	125	0	125	6753.04	17	55
	<b>WY 2011</b>	<b>1481</b>	<b>1230</b>	<b>148</b>	<b>1378</b>	<b>1064</b>	<b>313</b>	<b>1377</b>		<b>389</b>	<b>990</b>
	Oct 2011	51	90	7	97	97	0	97	6753.04	17	30
	Nov 2011	41	59	6	64	64	0	64	6753.04	17	0
	Dec 2011	34	84	5	89	89	0	89	6753.04	17	0
	Jan 2012	33	100	5	105	105	0	105	6753.04	17	0
	Feb 2012	31	94	4	98	98	0	98	6753.04	17	0
	Mar 2012	50	124	8	132	132	0	132	6753.04	17	5
	Apr 2012	117	114	16	130	130	0	130	6753.04	17	30
	May 2012	346	209	45	254	134	120	254	6753.04	17	55
	Jun 2012	448	78	56	134	130	4	134	6753.04	17	60
	Jul 2012	191	111	23	134	134	0	134	6753.04	17	65
	Aug 2012	92	124	11	134	134	0	134	6753.04	17	65
	Sep 2012	55	117	8	125	125	0	125	6753.04	17	55
	<b>WY 2012</b>	<b>1491</b>	<b>1302</b>	<b>193</b>	<b>1495</b>	<b>1371</b>	<b>124</b>	<b>1495</b>		<b>365</b>	<b>1130</b>
	Oct 2012	50	84	7	91	91	0	91	6753.04	17	30
	Nov 2012	39	54	5	60	60	0	60	6753.04	17	0
	Dec 2012	32	103	5	108	108	0	108	6753.04	17	0
	Jan 2013	31	100	5	105	105	0	105	6753.04	17	0
	Feb 2013	29	90	4	94	94	0	94	6753.04	17	0
	Mar 2013	46	59	7	66	66	0	66	6753.04	17	5

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Vallecito Reservoir**



	<b>Regulated Inflow (1000 Ac-Ft)</b>	<b>Total Release (1000 Ac-Ft)</b>	<b>Reservoir Elev End of Month (Ft)</b>	<b>Live Storage (1000 Ac-Ft)</b>
Date				
*	Apr 2010	27	4	7640.13
H	May 2010	69	20	7660.32
I	Jun 2010	46	42	7661.51
S	Jul 2010	12	37	7651.21
T	Aug 2010	19	33	7645.00
O	Sep 2010	10	26	7637.70
	<b>WY 2010</b>	<b>210</b>	<b>196</b>	
R	Oct 2010	12	13	7636.95
I	Nov 2010	7	2	7639.20
C	Dec 2010	6	2	7641.20
A	Jan 2011	5	2	7642.53
L	Feb 2011	4	2	7643.62
*	Mar 2011	7	2	7645.67
	Apr 2011	26	2	7655.57
	May 2011	72	55	7661.89
	Jun 2011	76	69	7664.16
	Jul 2011	31	42	7659.96
	Aug 2011	21	38	7653.06
	Sep 2011	20	30	7648.64
	<b>WY 2011</b>	<b>286</b>	<b>259</b>	
	Oct 2011	17	28	7643.92
	Nov 2011	10	2	7647.18
	Dec 2011	7	2	7649.09
	Jan 2012	6	2	7650.53
	Feb 2012	5	3	7651.56
	Mar 2012	9	15	7649.10
	Apr 2012	27	42	7642.20
	May 2012	84	65	7650.37
	Jun 2012	103	65	7664.81
	Jul 2012	41	65	7655.47
	Aug 2012	22	38	7648.91
	Sep 2012	21	30	7644.87
	<b>WY 2012</b>	<b>351</b>	<b>356</b>	
	Oct 2012	16	13	7646.23
	Nov 2012	9	6	7647.49
	Dec 2012	6	5	7648.07
	Jan 2013	5	3	7648.93
	Feb 2013	5	3	7649.72
	Mar 2013	8	3	7651.70

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

Model Run ID: 2096

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Navajo Reservoir**



Date	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 Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)	
*	Apr 2010	222	22	179	2	12	28	6062.79	1384	75
H	May 2010	264	35	182	4	26	30	6071.80	1506	126
I	Jun 2010	152	27	116	5	40	33	6074.50	1544	118
S	Jul 2010	15	2	39	5	47	58	6069.52	1474	72
T	Aug 2010	39	2	52	4	35	41	6067.48	1446	69
O	Sep 2010	24	1	39	3	25	45	6064.97	1412	57
	<b>WY 2010</b>	<b>855</b>	<b>89</b>	<b>753</b>	<b>29</b>	<b>202</b>	<b>423</b>		<b>802</b>	
R	Oct 2010	24	0	26	2	8	36	6063.49	1393	46
I	Nov 2010	17	0	12	1	1	29	6062.08	1374	46
C	Dec 2010	23	0	19	1	1	30	6061.11	1362	42
A	Jan 2011	16	0	13	1	1	31	6059.58	1342	50
L	Feb 2011	18	0	15	1	1	28	6058.41	1328	45
*	Mar 2011	41	2	35	2	4	31	6058.28	1326	49
	Apr 2011	148	19	105	2	16	30	6062.69	1382	30
	May 2011	265	50	198	4	28	154	6063.65	1395	154
	Jun 2011	240	29	205	4	43	140	6064.97	1412	140
	Jul 2011	72	5	78	5	46	31	6064.74	1409	31
	Aug 2011	47	4	60	4	39	31	6063.72	1396	31
	Sep 2011	51	0	61	3	22	30	6064.18	1402	30
	<b>WY 2011</b>	<b>962</b>	<b>109</b>	<b>826</b>	<b>28</b>	<b>210</b>	<b>598</b>		<b>693</b>	
	Oct 2011	53	0	63	2	8	31	6065.89	1425	31
	Nov 2011	38	0	31	1	0	30	6065.88	1424	30
	Dec 2011	28	0	23	1	0	31	6065.24	1416	31
	Jan 2012	25	0	21	1	0	31	6064.47	1406	31
	Feb 2012	36	0	33	1	0	28	6064.80	1410	28
	Mar 2012	109	1	114	2	4	31	6070.52	1488	31
	Apr 2012	226	16	225	3	17	188	6071.78	1505	188
	May 2012	361	35	307	4	29	307	6069.41	1472	307
	Jun 2012	341	27	277	5	44	248	6067.97	1453	248
	Jul 2012	109	4	129	5	47	120	6064.84	1411	120
	Aug 2012	56	2	70	4	40	42	6063.68	1395	42
	Sep 2012	57	1	65	3	22	36	6063.95	1399	36
	<b>WY 2012</b>	<b>1439</b>	<b>86</b>	<b>1359</b>	<b>29</b>	<b>210</b>	<b>1122</b>		<b>1122</b>	
	Oct 2012	50	0	47	2	8	31	6064.45	1405	31
	Nov 2012	35	0	32	1	0	30	6064.53	1407	30
	Dec 2012	24	0	22	1	0	31	6063.84	1397	31
	Jan 2013	22	0	20	1	0	31	6062.95	1386	31
	Feb 2013	30	0	29	1	0	30	6062.76	1383	30
	Mar 2013	88	1	83	2	4	31	6066.25	1429	31

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

Model Run ID: 2096

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Lake Powell**



	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 Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry (1000 Ac-Ft)	
Date											
*	Apr 2010	944	717	26	602	0	602	3620.50	17783	13816	614
H	May 2010	1399	1224	32	601	0	601	3625.96	17785	14405	612
I	Jun 2010	2776	2321	53	601	0	601	3638.82	17994	15864	612
S	Jul 2010	674	706	65	802	0	802	3636.52	18100	15596	824
T	Aug 2010	504	608	64	802	0	802	3634.55	18070	15369	826
O	Sep 2010	277	461	58	480	0	480	3633.66	18095	15267	490
	<b>WY 2010</b>	<b>8634</b>	<b>8674</b>	<b>444</b>	<b>8234</b>	<b>0</b>	<b>8235</b>			<b>8419</b>	
R	Oct 2010	362	512	41	495	0	495	3634.08	18023	15315	502
I	Nov 2010	438	474	39	810	0	810	3630.31	18075	14888	826
C	Dec 2010	416	446	30	847	0	847	3626.54	18063	14469	865
A	Jan 2011	381	429	9	997	0	997	3620.55	18133	13822	1015
L	Feb 2011	317	377	10	964	0	964	3614.95	18123	13235	984
*	Mar 2011	594	596	16	1033	0	1033	3610.73	18100	12804	1055
	Apr 2011	1424	1225	25	966	0	966	3612.86	18118	13021	966
	May 2011	3884	3503	32	1165	0	1165	3632.69	18289	15156	1165
	Jun 2011	4985	4337	57	1309	0	1309	3655.48	18509	17907	1309
	Jul 2011	2007	2069	74	1446	0	1446	3659.41	18549	18416	1446
	Aug 2011	797	906	74	1446	0	1446	3655.01	18504	17847	1446
	Sep 2011	608	763	67	883	0	883	3653.65	18490	17674	883
	<b>WY 2011</b>	<b>16213</b>	<b>15636</b>	<b>471</b>	<b>12361</b>	<b>0</b>	<b>12361</b>			<b>12462</b>	
	Oct 2011	637	755	46	912	0	912	3652.16	18475	17487	912
	Nov 2011	605	713	43	1260	0	1260	3647.77	18431	16940	1260
	Dec 2011	475	653	33	1450	0	1450	3641.42	18370	16171	1450
	Jan 2012	438	629	10	1445	0	1445	3634.87	18309	15406	1445
	Feb 2012	460	616	11	935	0	935	3632.20	18284	15101	935
	Mar 2012	749	799	18	900	0	900	3631.22	18275	14990	900
	Apr 2012	1209	1196	29	1100	0	1100	3631.78	18280	15053	1100
	May 2012	2890	2798	35	1275	0	1275	3643.59	18391	16431	1275
	Jun 2012	3815	3070	59	1275	0	1275	3656.50	18519	18038	1275
	Jul 2012	1901	1726	74	1350	0	1350	3658.66	18542	18318	1350
	Aug 2012	775	838	73	1350	0	1350	3654.45	18498	17777	1350
	Sep 2012	572	689	66	1120	0	1120	3650.81	18461	17317	1120
	<b>WY 2012</b>	<b>14526</b>	<b>14483</b>	<b>498</b>	<b>14372</b>	<b>0</b>	<b>14372</b>			<b>14372</b>	
	Oct 2012	610	693	45	1157	0	1157	3647.00	18424	16845	1157
	Nov 2012	552	632	42	800	0	800	3645.41	18408	16651	800
	Dec 2012	414	585	33	950	0	950	3642.35	18379	16282	950
	Jan 2013	384	550	10	950	0	950	3639.14	18348	15902	950
	Feb 2013	398	529	11	800	0	800	3636.91	18327	15641	800
	Mar 2013	628	617	19	600	0	600	3636.89	18327	15639	600

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Hoover Dam - Lake Mead**



Date	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)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	
*	Apr 2010	602	138	41	933	15.7	19	856	735	1098.00	11313
H	May 2010	601	87	47	961	15.6	28	933	714	1094.30	10987
I	Jun 2010	601	30	55	1007	16.9	27	1006	686	1089.30	10556
S	Jul 2010	802	29	68	941	15.3	33	937	673	1086.97	10357
T	Aug 2010	802	126	72	829	13.5	33	823	673	1086.91	10352
O	Sep 2010	480	82	59	758	12.7	23	755	656	1083.81	10092
	<b>WY 2010</b>	<b>8235</b>	<b>928</b>	<b>564</b>	<b>9260</b>		<b>235</b>	<b>9039</b>			
R	Oct 2010	495	80	42	638	10.4	24	607	648	1082.36	9971
I	Nov 2010	810	13	42	800	13.4	18	795	646	1081.94	9936
C	Dec 2010	847	248	37	660	10.7	9	630	670	1086.30	10301
A	Jan 2011	997	75	31	540	8.8	9	526	700	1091.73	10765
L	Feb 2011	964	84	29	635	11.4	9	616	723	1095.78	11117
*	Mar 2011	1033	77	33	1006	16.4	14	1002	726	1096.39	11170
	Apr 2011	966	107	40	1092	18.4	17	1092	721	1095.57	11098
	May 2011	1165	77	47	1042	16.9	27	1042	729	1096.92	11217
	Jun 2011	1309	38	57	957	16.1	23	957	748	1100.20	11509
	Jul 2011	1446	65	73	914	14.9	25	914	779	1105.37	11978
	Aug 2011	1446	133	79	820	13.3	27	820	818	1111.97	12591
	Sep 2011	883	80	66	628	10.6	19	628	834	1114.45	12825
	<b>WY 2011</b>	<b>12361</b>	<b>1077</b>	<b>576</b>	<b>9731</b>		<b>221</b>	<b>9629</b>			
	Oct 2011	912	80	49	471	7.7	23	471	861	1118.83	13247
	Nov 2011	1260	67	50	663	11.1	22	663	897	1124.51	13802
	Dec 2011	1450	94	45	542	8.8	18	542	954	1133.22	14684
	Jan 2012	1445	88	38	708	11.5	20	708	1001	1140.12	15406
	Feb 2012	935	111	35	729	12.7	18	729	1017	1142.45	15653
	Mar 2012	900	88	40	1033	16.8	24	1033	1011	1141.50	15551
	Apr 2012	1100	60	49	1156	19.4	20	1156	1007	1140.93	15490
	May 2012	1275	63	57	993	16.2	31	993	1023	1143.18	15731
	Jun 2012	1275	30	69	860	14.5	26	860	1044	1146.20	16059
	Jul 2012	1350	63	88	901	14.7	28	901	1068	1149.56	16430
	Aug 2012	1350	126	96	822	13.4	31	822	1100	1153.96	16925
	Sep 2012	1120	77	81	676	11.4	22	676	1126	1157.35	17318
	<b>WY 2012</b>	<b>14372</b>	<b>946</b>	<b>696</b>	<b>9554</b>		<b>283</b>	<b>9554</b>			
	Oct 2012	1157	59	61	463	7.5	26	463	1166	1162.62	17943
	Nov 2012	800	48	62	573	9.6	25	573	1178	1164.08	18119
	Dec 2012	950	99	54	558	9.1	21	558	1203	1167.27	18511
	Jan 2013	950	76	45	709	11.5	20	709	1219	1169.17	18748
	Feb 2013	800	92	41	715	12.9	18	715	1226	1170.05	18858
	Mar 2013	600	80	46	1053	17.1	24	1053	1199	1166.71	18441

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Davis Dam - Lake Mohave**



Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	
*	Apr 2010	933	-17	17	878	0	878	14.8	642.94	1697
H	May 2010	961	-19	22	937	0	937	15.2	642.30	1680
I	Jun 2010	1007	-23	25	912	0	912	15.3	643.98	1726
S	Jul 2010	941	-14	26	913	0	913	14.8	643.57	1714
T	Aug 2010	829	-12	23	838	0	838	13.6	641.95	1670
O	Sep 2010	758	-2	18	833	0	833	14.0	638.40	1575
	<b>WY 2010</b>	<b>9260</b>	<b>-172</b>	<b>197</b>	<b>8816</b>	<b>0</b>	<b>8816</b>			
R	Oct 2010	638	6	15	766	0	766	12.5	633.10	1437
I	Nov 2010	800	-29	10	631	0	631	10.6	638.09	1567
C	Dec 2010	660	-15	9	553	0	553	9.0	641.21	1650
A	Jan 2011	540	-7	10	502	0	502	8.2	641.95	1670
L	Feb 2011	635	-10	10	586	0	586	10.5	643.01	1699
*	Mar 2011	1006	-11	13	976	0	976	15.9	643.23	1705
	Apr 2011	1092	-15	17	1067	0	1067	17.9	643.00	1699
	May 2011	1042	-10	22	1009	0	1009	16.4	643.00	1699
	Jun 2011	957	-6	25	953	0	953	16.0	642.00	1671
	Jul 2011	914	1	25	903	0	903	14.7	641.50	1658
	Aug 2011	820	-5	23	793	0	793	12.9	641.50	1658
	Sep 2011	628	1	18	705	0	705	11.8	638.00	1564
	<b>WY 2011</b>	<b>9731</b>	<b>-101</b>	<b>197</b>	<b>9443</b>	<b>0</b>	<b>9443</b>			
	Oct 2011	471	3	15	589	0	589	9.6	633.00	1434
	Nov 2011	663	-10	10	592	0	592	9.9	635.00	1486
	Dec 2011	542	-13	9	423	0	423	6.9	638.71	1583
	Jan 2012	708	-17	10	598	0	598	9.7	641.80	1666
	Feb 2012	729	-6	10	714	0	714	12.4	641.80	1666
	Mar 2012	1033	-15	13	971	0	971	15.8	643.05	1700
	Apr 2012	1156	-15	17	1125	0	1125	18.9	643.00	1699
	May 2012	993	-10	22	961	0	961	15.6	643.00	1699
	Jun 2012	860	-6	25	856	0	856	14.4	642.00	1671
	Jul 2012	901	1	25	890	0	890	14.5	641.50	1658
	Aug 2012	822	-5	23	795	0	795	12.9	641.50	1658
	Sep 2012	676	1	18	752	0	752	12.6	638.00	1564
	<b>WY 2012</b>	<b>9554</b>	<b>-91</b>	<b>197</b>	<b>9266</b>	<b>0</b>	<b>9266</b>			
	Oct 2012	463	3	15	581	0	581	9.5	633.00	1434
	Nov 2012	573	-10	10	502	0	502	8.4	635.00	1486
	Dec 2012	558	-13	9	438	0	438	7.1	638.71	1583
	Jan 2013	709	-17	10	600	0	600	9.8	641.80	1666
	Feb 2013	715	-6	10	700	0	700	12.6	641.80	1666
	Mar 2013	1053	-15	13	991	0	991	16.1	643.05	1700

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

Model Run ID: 2096

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Parker Dam - Lake Havasu**



	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)	
Date												
*	Apr 2010	878	34	11	670	11.3	43	153	448.61	592	210	3.5
H	May 2010	937	24	13	662	10.8	102	172	448.83	596	114	1.9
I	Jun 2010	912	23	16	650	10.9	91	171	448.64	592	113	1.9
S	Jul 2010	913	17	17	743	12.1	107	50	448.61	592	126	2.1
T	Aug 2010	838	21	17	646	10.5	108	84	448.20	584	101	1.6
O	Sep 2010	833	17	15	583	9.8	98	171	446.95	560	93	1.6
	<b>WY 2010</b>	<b>8816</b>	<b>318</b>	<b>140</b>	<b>6298</b>		<b>1043</b>	<b>1572</b>			<b>1619</b>	
R	Oct 2010	766	25	12	465	7.6	102	166	449.14	602	106	1.7
I	Nov 2010	631	38	9	428	7.2	98	159	447.59	572	114	1.9
C	Dec 2010	553	33	7	290	4.7	93	183	448.10	582	147	2.4
A	Jan 2011	502	8	6	391	6.4	52	89	446.40	550	141	2.3
L	Feb 2011	586	15	8	415	7.5	22	135	447.29	567	173	3.1
*	Mar 2011	976	1	9	694	11.3	71	181	448.06	581	199	3.2
	Apr 2011	1067	18	11	813	13.7	75	178	448.00	580	192	3.2
	May 2011	1009	13	13	706	11.5	99	184	448.50	589	111	1.8
	Jun 2011	953	9	15	683	11.5	83	168	448.50	589	117	2.0
	Jul 2011	903	15	17	737	12.0	85	75	448.00	580	121	2.0
	Aug 2011	793	18	17	631	10.3	85	75	447.50	571	96	1.6
	Sep 2011	705	15	15	532	8.9	83	95	446.81	557	89	1.5
	<b>WY 2011</b>	<b>9443</b>	<b>209</b>	<b>140</b>	<b>6785</b>		<b>948</b>	<b>1685</b>			<b>1605</b>	
	Oct 2011	589	20	12	439	7.1	48	112	446.31	548	68	1.1
	Nov 2011	592	26	8	379	6.4	47	174	446.50	552	109	1.8
	Dec 2011	423	21	6	282	4.6	50	99	446.50	552	118	1.9
	Jan 2012	598	15	6	342	5.6	96	165	446.50	552	122	2.0
	Feb 2012	714	6	8	464	8.1	86	156	446.50	552	153	2.7
	Mar 2012	971	22	9	702	11.4	96	174	446.70	555	208	3.4
	Apr 2012	1125	18	11	827	13.9	93	166	448.70	593	200	3.4
	May 2012	961	13	13	696	11.3	96	159	448.70	593	111	1.8
	Jun 2012	856	9	16	653	11.0	93	90	448.70	593	112	1.9
	Jul 2012	890	15	17	719	11.7	96	72	448.00	580	118	1.9
	Aug 2012	795	18	17	629	10.2	96	68	447.50	571	92	1.5
	Sep 2012	752	15	15	540	9.1	69	148	446.81	557	89	1.5
	<b>WY 2012</b>	<b>9266</b>	<b>199</b>	<b>139</b>	<b>6670</b>		<b>965</b>	<b>1583</b>			<b>1501</b>	
	Oct 2012	581	20	12	452	7.3	26	113	446.31	548	72	1.2
	Nov 2012	502	26	8	371	6.2	27	111	446.50	552	105	1.8
	Dec 2012	438	21	6	295	4.8	27	125	446.50	552	118	1.9
	Jan 2013	600	15	6	356	5.8	106	142	446.50	552	122	2.0
	Feb 2013	700	6	8	461	8.3	96	136	446.50	552	153	2.8
	Mar 2013	991	22	9	708	11.5	106	179	446.70	555	208	3.4

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

Model Run ID: 2096

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Hoover Dam - Lake Mead**



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Apr 2010	933	15.7	1098.00	11313	-237	451.78	1392.0	370.4	82	397.0
H	May 2010	961	15.6	1094.30	10987	-326	449.26	1371.0	378.0	82	393.4
I	Jun 2010	1007	16.9	1089.30	10556	-431	442.32	1556.0	390.5	94	387.7
S	Jul 2010	941	15.3	1086.97	10357	-198	441.50	1640.0	360.3	100	382.9
T	Aug 2010	829	13.5	1086.91	10352	-5	443.45	1617.0	313.3	100	378.0
O	Sep 2010	758	12.7	1083.81	10092	-261	439.46	1617.0	285.1	100	375.9
	<b>WY 2010</b>	<b>9260</b>						<b>3589.4</b>			
R	Oct 2010	638	10.4	1082.36	9971	-121	440.25	1104.0	241.3	68	378.5
I	Nov 2010	800	13.4	1081.94	9936	-35	437.87	1185.0	305.1	74	381.4
C	Dec 2010	660	10.7	1086.30	10301	365	439.05	1388.0	246.5	87	373.5
A	Jan 2011	540	8.8	1091.73	10765	463	446.84	1103.0	200.9	69	372.4
L	Feb 2011	635	11.4	1095.78	11117	353	447.78	1414.0	244.7	88	385.7
*	Mar 2011	1006	16.4	1096.39	11170	54	449.79	1232.0	398.2	75	395.8
	Apr 2011	1092	18.4	1095.57	11098	-72	445.58	1157.0	451.5	70	413.5
	May 2011	1042	16.9	1096.92	11217	119	442.63	1656.0	412.8	100	396.3
	Jun 2011	957	16.1	1100.20	11509	292	445.25	1665.0	378.3	100	395.3
	Jul 2011	914	14.9	1105.37	11978	469	449.94	1685.0	367.9	100	402.5
	Aug 2011	820	13.3	1111.97	12591	613	455.95	1709.0	337.0	100	410.9
	Sep 2011	628	10.6	1114.45	12825	235	461.60	1712.0	252.6	100	402.1
	<b>WY 2011</b>	<b>9731</b>						<b>3836.9</b>			
	Oct 2011	471	7.7	1118.83	13247	421	469.26	1392.0	193.7	81	411.4
	Nov 2011	663	11.1	1124.51	13802	555	477.98	1072.0	282.7	62	426.2
	Dec 2011	542	8.8	1133.22	14684	883	481.21	1410.0	224.8	81	414.4
	Jan 2012	708	11.5	1140.12	15406	721	487.52	1302.0	305.2	74	431.4
	Feb 2012	729	12.7	1142.45	15653	247	490.24	1445.0	319.0	82	437.5
	Mar 2012	1033	16.8	1141.50	15551	-102	490.61	1416.0	454.0	81	439.6
	Apr 2012	1156	19.4	1140.93	15490	-61	488.72	1504.0	514.7	87	445.4
	May 2012	993	16.2	1143.18	15731	241	488.18	1701.0	426.3	100	429.1
	Jun 2012	860	14.5	1146.20	16059	328	491.14	1698.0	380.1	100	442.1
	Jul 2012	901	14.7	1149.56	16430	371	494.81	1701.0	392.9	100	436.0
	Aug 2012	822	13.4	1153.96	16925	495	498.85	1711.0	364.6	100	443.4
	Sep 2012	676	11.4	1157.35	17318	392	503.89	1711.0	294.9	100	436.5
	<b>WY 2012</b>	<b>9554</b>						<b>4152.9</b>			
	Oct 2012	463	7.5	1162.62	17943	626	510.36	1711.0	201.3	100	434.3
	Nov 2012	573	9.6	1164.08	18119	176	517.54	1379.7	255.0	81	444.9
	Dec 2012	558	9.1	1167.27	18511	391	520.11	1054.1	249.5	62	447.2
	Jan 2013	709	11.5	1169.17	18748	237	518.30	1378.6	320.1	81	451.4
	Feb 2013	715	12.9	1170.05	18858	110	519.44	1262.4	330.4	74	462.0
	Mar 2013	1053	17.1	1166.71	18441	-417	516.92	1395.4	485.0	82	460.6

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Davis Dam - Lake Mohave**



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Apr 2010	878	14.8	642.94	1697	21	141.04	255.0	111.0	100	126.4
H	May 2010	937	15.2	642.30	1680	-17	140.64	255.0	118.5	100	126.4
I	Jun 2010	912	15.3	643.98	1726	46	140.66	255.0	115.5	100	126.6
S	Jul 2010	913	14.8	643.57	1714	-11	141.98	242.3	115.3	95	126.4
T	Aug 2010	838	13.6	641.95	1670	-44	140.67	255.0	105.9	100	126.4
O	Sep 2010	833	14.0	638.40	1575	-95	137.24	255.0	102.6	100	123.1
	<b>WY 2010</b>	<b>8816</b>						<b>1104.5</b>			
R	Oct 2010	766	12.5	633.10	1437	-138	129.52	209.1	92.1	82	120.2
I	Nov 2010	631	10.6	638.09	1567	130	137.83	153.0	77.2	60	122.5
C	Dec 2010	553	9.0	641.21	1650	84	141.87	168.3	67.8	66	122.6
A	Jan 2011	502	8.2	641.95	1670	20	140.42	153.0	63.3	60	125.9
L	Feb 2011	586	10.5	643.01	1699	29	139.78	181.1	73.6	71	125.6
*	Mar 2011	976	15.9	643.23	1705	6	138.82	204.0	123.0	80	126.0
	Apr 2011	1067	17.9	643.00	1699	-6	136.83	229.5	132.8	90	124.5
	May 2011	1009	16.4	643.00	1699	0	136.04	255.0	126.0	100	124.8
	Jun 2011	953	16.0	642.00	1671	-27	135.51	255.0	118.7	100	124.5
	Jul 2011	903	14.7	641.50	1658	-14	134.73	255.0	112.2	100	124.3
	Aug 2011	793	12.9	641.50	1658	0	134.46	255.0	98.8	100	124.6
	Sep 2011	705	11.8	638.00	1564	-94	132.62	255.0	87.0	100	123.4
	<b>WY 2011</b>	<b>9443</b>						<b>1172.3</b>			
	Oct 2011	589	9.6	633.00	1434	-130	128.65	237.2	70.9	93	120.4
	Nov 2011	592	9.9	635.00	1486	51	127.14	234.6	70.4	92	118.9
	Dec 2011	423	6.9	638.71	1583	97	130.00	239.7	51.9	94	122.7
	Jan 2012	598	9.7	641.80	1666	83	134.16	219.3	74.6	86	124.6
	Feb 2012	714	12.4	641.80	1666	0	135.05	244.8	89.3	96	125.0
	Mar 2012	971	15.8	643.05	1700	34	135.44	255.0	120.9	100	124.5
	Apr 2012	1125	18.9	643.00	1699	-2	136.07	255.0	139.7	100	124.2
	May 2012	961	15.6	643.00	1699	0	136.04	255.0	120.2	100	125.1
	Jun 2012	856	14.4	642.00	1671	-27	135.51	255.0	107.0	100	125.0
	Jul 2012	890	14.5	641.50	1658	-14	134.73	255.0	110.7	100	124.3
	Aug 2012	795	12.9	641.50	1658	0	134.46	255.0	99.0	100	124.6
	Sep 2012	752	12.6	638.00	1564	-94	132.62	255.0	92.6	100	123.1
	<b>WY 2012</b>	<b>9266</b>						<b>1147.1</b>			
	Oct 2012	581	9.5	633.00	1434	-130	128.65	237.2	70.0	93	120.4
	Nov 2012	502	8.4	635.00	1486	51	127.14	234.6	60.0	92	119.5
	Dec 2012	438	7.1	638.71	1583	97	130.00	239.7	53.7	94	122.6
	Jan 2013	600	9.8	641.80	1666	83	134.16	219.3	74.7	86	124.6
	Feb 2013	700	12.6	641.80	1666	0	135.05	244.8	87.5	96	125.0
	Mar 2013	991	16.1	643.05	1700	34	135.44	255.0	123.3	100	124.4

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Parker Dam - Lake Havasu**



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Apr 2010	670	11.3	448.61	592	28	81.42	90.0	46.8	75	69.8
H	May 2010	662	10.8	448.83	596	4	81.45	115.2	46.0	96	69.6
I	Jun 2010	650	10.9	448.64	592	-4	80.58	120.0	46.4	100	71.3
S	Jul 2010	743	12.1	448.61	592	-1	82.51	120.0	50.9	100	68.4
T	Aug 2010	646	10.5	448.20	584	-8	81.98	120.0	44.7	100	69.2
O	Sep 2010	583	9.8	446.95	560	-24	80.89	103.2	41.6	86	71.4
	<b>WY 2010</b>	<b>6298</b>						<b>436.8</b>			
R	Oct 2010	465	7.6	449.14	602	42	82.79	90.0	31.4	75	67.4
I	Nov 2010	428	7.2	447.59	572	-30	79.41	91.2	30.4	76	71.1
C	Dec 2010	290	4.7	448.10	582	10	82.60	104.4	19.7	87	67.9
A	Jan 2011	391	6.4	446.40	550	-32	80.10	97.2	26.8	81	68.6
L	Feb 2011	415	7.5	447.29	567	17	76.83	90.0	29.3	75	70.7
*	Mar 2011	694	11.3	448.06	581	15	80.18	112.8	47.4	94	68.4
	Apr 2011	813	13.7	448.00	580	-1	75.40	120.0	53.9	100	66.3
	May 2011	706	11.5	448.50	589	9	75.61	120.0	46.7	100	66.2
	Jun 2011	683	11.5	448.50	589	0	75.86	120.0	45.3	100	66.3
	Jul 2011	737	12.0	448.00	580	-9	75.61	120.0	48.8	100	66.2
	Aug 2011	631	10.3	447.50	571	-10	75.13	120.0	41.4	100	65.6
	Sep 2011	532	8.9	446.81	557	-13	74.55	120.0	34.5	100	64.8
	<b>WY 2011</b>	<b>6785</b>						<b>455.6</b>			
	Oct 2011	439	7.1	446.31	548	-9	74.77	102.0	28.3	85	64.5
	Nov 2011	379	6.4	446.50	552	3	74.62	102.0	24.3	85	64.1
	Dec 2011	282	4.6	446.50	552	0	74.71	102.0	17.7	85	62.9
	Jan 2012	342	5.6	446.50	552	0	74.71	102.0	21.7	85	63.7
	Feb 2012	464	8.1	446.50	552	0	73.92	120.0	29.8	100	64.1
	Mar 2012	702	11.4	446.70	555	4	74.01	120.0	45.6	100	64.9
	Apr 2012	827	13.9	448.70	593	38	75.08	120.0	54.6	100	66.1
	May 2012	696	11.3	448.70	593	0	76.05	120.0	46.2	100	66.5
	Jun 2012	653	11.0	448.70	593	0	76.05	120.0	43.3	100	66.4
	Jul 2012	719	11.7	448.00	580	-13	75.71	120.0	47.7	100	66.3
	Aug 2012	629	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
	Sep 2012	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
	<b>WY 2012</b>	<b>6670</b>						<b>435.5</b>			
	Oct 2012	452	7.3	446.31	548	-9	74.77	102.0	29.2	85	64.6
	Nov 2012	371	6.2	446.50	552	3	74.62	102.0	23.8	85	64.0
	Dec 2012	295	4.8	446.50	552	0	74.71	102.0	18.6	85	63.1
	Jan 2013	356	5.8	446.50	552	0	74.71	102.0	22.7	85	63.8
	Feb 2013	461	8.3	446.50	552	0	73.92	120.0	29.6	100	64.2
	Mar 2013	708	11.5	446.70	555	4	74.01	120.0	45.9	100	64.9

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Upper Basin Power**



	Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	Apr 2010	265	19	13	19	3
H	May 2010	267	39	31	45	21
I	Jun 2010	272	54	15	22	18
S	Jul 2010	368	38	30	34	20
T	Aug 2010	366	40	27	33	19
O	Sep 2010	217	42	25	32	19
	<b>Summer 2010</b>	<b>1755</b>	<b>231</b>	<b>142</b>	<b>186</b>	<b>109</b>
R	Oct 2010	226	30	24	29	16
I	Nov 2010	369	24	7	9	4
C	Dec 2010	382	26	8	9	4
A	Jan 2011	445	26	8	9	4
L	Feb 2011	425	26	12	15	4
*	Mar 2011	453	23	21	26	15
	<b>Winter 2011</b>	<b>2299</b>	<b>156</b>	<b>79</b>	<b>97</b>	<b>48</b>
	Apr 2011	392	58	30	42	22
	May 2011	482	97	60	96	23
	Jun 2011	564	99	58	75	22
	Jul 2011	638	59	36	43	23
	Aug 2011	637	59	39	45	23
	Sep 2011	387	57	36	43	22
	<b>Summer 2011</b>	<b>3100</b>	<b>431</b>	<b>258</b>	<b>343</b>	<b>136</b>
	Oct 2011	399	59	26	32	17
	Nov 2011	548	57	17	21	11
	Dec 2011	624	59	24	30	15
	Jan 2012	615	58	28	36	18
	Feb 2012	394	54	26	34	17
	Mar 2012	378	58	33	45	23
	<b>Winter 2012</b>	<b>2958</b>	<b>345</b>	<b>155</b>	<b>198</b>	<b>101</b>
	Apr 2012	462	57	27	41	22
	May 2012	542	105	48	75	23
	Jun 2012	555	47	14	28	22
	Jul 2012	595	46	32	40	23
	Aug 2012	594	46	38	45	23
	Sep 2012	489	44	35	42	22
	<b>Summer 2012</b>	<b>3237</b>	<b>345</b>	<b>194</b>	<b>271</b>	<b>136</b>
	Oct 2012	502	46	25	30	16
	Nov 2012	346	44	16	20	10
	Dec 2012	409	46	30	37	19
	Jan 2013	406	46	28	36	18
	Feb 2013	340	41	25	32	16
	Mar 2013	255	45	15	21	11
	<b>Winter 2013</b>	<b>2003</b>	<b>222</b>	<b>124</b>	<b>155</b>	<b>79</b>
						<b>30</b>

\* Based on the Colorado River Basin Forecast Center's Maximum Probable Water Supply Forecast

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# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



**April 2011 24-Month Study**

Maximum Probable Inflow\*

**Flood Control Criteria**

**Beginning of Month Conditions**



Date	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	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF	
*****PREDICTED SPACE*****																		
Apr 2011	799	335	370	11518	13021	16207	29228	697	333	231	1262	11518	16207	28987	1500	1092	0	31.9
May 2011	706	303	314	11301	12624	16279	28903	597	303	156	1056	11301	16279	28637	1500	1042	0	34.5
Jun 2011	454	237	301	9166	10158	16160	26318	327	237	112	676	9166	16160	26003	1500	957	0	38.1
Jul 2011	70	62	284	6415	6830	15868	22698	-82	29	47	-6	6415	15868	22277	1500	914	0	39.0
*****EFFECTIVE SPACE*****																		
Aug 2011	164	27	287	5906	6384	15399	21783	164	27	287	478	5906	15399	21783	1500	820	0	38.9
Sep 2011	211	67	300	6475	7052	14786	21839	211	67	300	578	6475	14786	21839	2270	628	0	38.7
Oct 2011	301	130	294	6648	7373	14552	21924	301	130	294	725	6648	14552	21924	3040	471	0	38.7
Nov 2011	393	171	271	6835	7671	14130	21801	393	171	271	835	6835	14130	21801	3810	663	0	38.6
Dec 2011	488	194	272	7382	8336	13575	21911	488	194	272	954	7382	13575	21911	4580	542	0	38.7
Jan 2012	607	248	280	8151	9286	12693	21979	607	248	280	1135	8151	12693	21979	5350	708	0	38.5
*****CREDITABLE SPACE*****																		
Jan 2012	607	248	280	8151	9286	12693	21979	365	231	154	750	8151	12693	21594	5350	708	0	38.5
Feb 2012	720	318	290	8916	10245	11971	22216	478	302	163	943	8916	11971	21831	1500	729	0	38.3
Mar 2012	817	384	286	9221	10708	11724	22432	575	369	158	1102	9221	11724	22047	1500	1033	0	38.1
Apr 2012	861	461	208	9332	10862	11826	22688	617	451	74	1142	9332	11826	22300	1500	1156	0	38.1
May 2012	846	466	191	9269	10772	11887	22659	596	464	37	1098	9269	11887	22254	1500	993	0	39.8
Jun 2012	843	385	224	7891	9343	11646	20989	587	372	38	996	7891	11646	20534	1500	860	0	42.4
Jul 2012	458	92	243	6284	7078	11318	18396	179	57	9	245	6284	11318	17847	1500	901	0	43.2
*****CREDITABLE SPACE*****																		
Aug 2012	301	27	285	6004	6617	10947	17564	301	27	285	613	6004	10947	17564	1500	822	0	43.1
Sep 2012	310	59	301	6545	7215	10452	17667	310	59	301	670	6545	10452	17667	2270	676	0	42.8
Oct 2012	367	117	297	7005	7787	10059	17847	367	117	297	782	7005	10059	17847	3040	463	0	42.7
Nov 2012	428	154	291	7477	8349	9434	17783	428	154	291	872	7477	9434	17783	3810	573	0	42.6
Dec 2012	495	174	289	7671	8629	9258	17887	495	174	289	958	7671	9258	17887	4580	558	0	42.6
Jan 2013	584	248	299	8040	9171	8866	18037	584	248	299	1131	8040	8866	18037	5350	709	0	42.4
*****EFFECTIVE SPACE*****																		
Jan 2013	584	248	299	8040	9171	8866	18037	363	225	224	812	8040	8866	17719	5350	709	0	42.4
Feb 2013	668	320	310	8420	9719	8629	18348	447	298	235	980	8420	8629	18030	1500	715	0	42.1
Mar 2013	737	383	313	8681	10114	8519	18633	513	363	237	1113	8681	8519	18314	1500	1053	0	41.7

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