

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
River Operations Group
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This operation study reflects the 2002 Annual Operating Plan (AOP) as signed by the Secretary of Interior. This study shows that the surplus condition is the criterion governing the operation of Lake Mead for calendar year 2002 in accordance with Article III(3)(b) of the operating criteria and article II(B)(2) of the decree in Arizona v. California. A copy of the 2002 AOP, as submitted to the Secretary for approval, can be obtained by contacting Lorraine Siano, (702)293-8539.

As of 9/17/2002, due to the current elevation of Lake Mead, Hoover's generating plant effective capacity has been changed to 1908 MW. Unit capacity tests will be performed as lake elevation decreases in 2' increments. This study reflects this change in the projections.

Releases out of Hoover will be made to meet downstream requirements.

Calendar year 2002 operation reflects schedules by the Metropolitan Water District of Southern California of 1,242 MAF, Central Arizona Project of 1.550 MAF, and total lower basin states of 8.56 MAF. Calendar year 2003 reflects a full domestic surplus schedule as defined by the Record of Decision, Colorado River Interim Surplus Guidelines Final Environmental Impact Statement.

Current runoff projections into Lake Powell are provided by the Colorado River Forecasting Service through the National Weather Service's Colorado Basin River Forecast Center are as follows: observed unregulated inflow into Lake Powell for the month of October was 0.309 million acre-feet or 56% of the 30 year average. The forecast for the month of November unregulated inflow into Lake Powell is 0.300 million acre-feet or 55% of the 30 year average. The observed April through July unregulated inflow for water year 2002 is 1.12 million acre-feet or 14% of average. Observed water year 2002 unregulated inflow into Lake Powell is 3.062 million acre-feet or 25% of average.

Hoover, Davis, and Parker historical gross energy figures come from form PO&M from the Power and O&M Group, Boulder Canyon Operations, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical numbers can be directed to Joe Donnelly, (702)293-8607.

(Note: lower basin previous months historical SNWS and flow to Mexico values are preliminary estimates.)

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Fontenelle Reservoir UT

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	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2001	27	1	18	8	26	6477.38	153
H Dec 2001	23	0	28	0	28	6476.28	148
I Jan 2002	22	0	28	0	28	6475.04	142
S Feb 2002	19	0	25	0	25	6473.61	135
T Mar 2002	30	0	28	0	28	6473.81	136
O Apr 2002	55	1	27	0	27	6479.27	163
R May 2002	46	1	72	0	72	6473.62	135
I Jun 2002	160	2	48	1	49	6492.44	244
C Jul 2002	69	2	37	1	38	6496.60	274
A Aug 2002	29	2	39	0	39	6494.82	261
L Sep 2002	29	2	41	0	41	6492.76	247
WY 2002	530	12	423	10	433		
* Oct 2002	32	1	40	0	40	6491.36	237
Nov 2002	25	1	38	0	38	6489.22	223
Dec 2002	20	1	39	0	39	6486.25	204
Jan 2003	20	1	39	0	39	6483.05	184
Feb 2003	20	1	36	0	36	6480.14	168
Mar 2003	40	1	52	0	52	6477.74	155
Apr 2003	77	1	95	0	95	6473.88	136
May 2003	173	1	100	0	100	6486.90	208
Jun 2003	335	2	104	141	245	6499.56	296
Jul 2003	213	3	101	59	160	6505.97	345
Aug 2003	91	2	98	2	100	6504.62	335
Sep 2003	53	2	24	47	71	6502.13	315
WY 2003	1099	17	766	249	1015		
Oct 2003	52	1	74	0	74	6499.01	291
Nov 2003	43	1	51	20	71	6495.08	263
Dec 2003	33	1	74	0	74	6488.89	221
Jan 2004	31	1	74	0	74	6481.87	177
Feb 2004	30	1	67	0	67	6474.56	140
Mar 2004	52	0	90	0	90	6465.46	101
Apr 2004	93	1	87	0	87	6466.86	106
May 2004	196	1	97	53	150	6476.98	151
Jun 2004	356	2	101	109	210	6499.51	295
Jul 2004	213	3	101	64	165	6505.30	340
Aug 2004	91	2	99	1	100	6503.94	329
Sep 2004	53	2	71	0	71	6501.43	310
WY 2004	1243	16	986	247	1233		
Oct 2004	52	1	74	0	74	6498.28	286

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Flaming Gorge Reservoir

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	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Nov 2001	27	26	3	48	0	48	79	6017.80	2903	0	74
H Dec 2001	18	23	2	49	0	49	78	6017.04	2876	0	94
I Jan 2002	22	27	2	49	0	49	77	6016.38	2854	0	79
S Feb 2002	21	27	2	45	0	45	76	6015.83	2835	0	71
T Mar 2002	46	46	3	50	0	50	76	6015.65	2829	0	87
O Apr 2002	70	42	4	48	0	48	76	6015.35	2819	0	172
R May 2002	45	72	7	118	0	118	74	6013.86	2768	0	266
I Jun 2002	156	46	9	50	0	50	73	6013.47	2755	0	149
C Jul 2002	65	32	11	49	0	49	72	6012.63	2727	0	54
A Aug 2002	15	24	11	50	0	50	71	6011.56	2692	0	51
L Sep 2002	28	42	9	51	0	51	70	6011.03	2675	0	54
WY 2002	530	435	69	657	0	657					1220
* Oct 2002	30	39	6	50	0	50	69	6010.52	2658	0	67
Nov 2002	25	38	2	48	0	48	69	6010.15	2646	0	48
Dec 2002	20	39	1	49	0	49	68	6009.80	2635	0	49
Jan 2003	20	39	1	49	0	49	68	6009.45	2624	0	49
Feb 2003	27	43	2	44	0	44	68	6009.37	2621	0	44
Mar 2003	68	80	4	49	0	49	69	6010.19	2648	0	49
Apr 2003	113	131	6	48	0	48	71	6012.48	2722	0	48
May 2003	247	174	9	128	0	128	73	6013.56	2758	0	128
Jun 2003	426	336	11	115	0	115	79	6019.47	2961	0	115
Jul 2003	259	206	13	61	0	61	83	6023.07	3090	0	61
Aug 2003	108	117	10	61	0	61	85	6024.29	3134	0	61
Sep 2003	65	83	9	71	0	71	85	6024.37	3137	0	71
WY 2003	1408	1325	74	773	0	773					790
Oct 2003	65	87	5	86	0	86	85	6024.27	3133	0	86
Nov 2003	56	84	2	83	0	83	85	6024.23	3132	0	83
Dec 2003	40	81	2	86	0	86	85	6024.05	3125	0	86
Jan 2004	45	88	2	86	0	86	85	6024.06	3126	0	86
Feb 2004	51	89	2	78	0	78	85	6024.29	3134	0	78
Mar 2004	108	147	4	95	0	95	86	6025.54	3180	0	95
Apr 2004	157	151	7	120	0	120	87	6026.17	3204	0	120
May 2004	303	257	10	220	0	220	88	6026.85	3229	0	220
Jun 2004	470	324	13	200	0	200	92	6029.68	3337	0	200
Jul 2004	259	211	14	117	0	117	94	6031.69	3415	0	117
Aug 2004	108	117	11	117	0	117	94	6031.42	3404	0	117
Sep 2004	65	83	9	114	0	114	93	6030.42	3365	0	114
WY 2004	1727	1719	81	1402	0	1402					1402
Oct 2004	65	87	5	117	0	117	91	6029.54	3331	0	117

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Taylor Park Reservoir

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	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2001	4	4	9306.94	65
H Dec 2001	4	4	9306.74	65
I Jan 2002	3	4	9306.23	64
S Feb 2002	3	4	9305.60	63
T Mar 2002	4	5	9305.48	63
O Apr 2002	9	5	9307.95	67
R May 2002	13	10	9310.01	70
I Jun 2002	8	14	9306.20	64
C Jul 2002	4	14	9298.68	53
A Aug 2002	3	11	9292.28	45
L Sep 2002	3	6	9289.63	42
WY 2002	63	88		
* Oct 2002	4	4	9289.23	42
Nov 2002	4	3	9289.87	43
Dec 2002	4	3	9290.36	43
Jan 2003	3	3	9290.61	44
Feb 2003	3	3	9290.97	44
Mar 2003	3	3	9291.24	44
Apr 2003	7	4	9293.96	47
May 2003	25	8	9306.32	64
Jun 2003	44	16	9322.89	92
Jul 2003	22	18	9325.10	97
Aug 2003	10	15	9322.64	92
Sep 2003	7	15	9318.31	84
WY 2003	136	95		
Oct 2003	7	12	9315.17	78
Nov 2003	5	8	9313.47	76
Dec 2003	5	6	9312.63	74
Jan 2004	4	6	9311.63	73
Feb 2004	4	6	9310.37	70
Mar 2004	4	6	9309.30	69
Apr 2004	8	8	9309.55	69
May 2004	27	20	9314.06	77
Jun 2004	46	22	9326.93	100
Jul 2004	22	22	9327.03	100
Aug 2004	10	20	9321.98	91
Sep 2004	7	16	9317.05	82
WY 2004	149	152		
Oct 2004	7	10	9315.03	78

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	28	27	0	33	0	33	7485.87	550
H Dec 2001	23	23	0	29	0	29	7485.16	544
I Jan 2002	22	22	0	33	0	33	7483.78	534
S Feb 2002	17	18	0	29	0	29	7482.23	522
T Mar 2002	30	30	0	39	0	39	7480.99	513
O Apr 2002	53	50	1	59	0	59	7479.65	503
R May 2002	53	50	1	72	0	72	7476.52	481
I Jun 2002	36	41	1	28	45	73	7471.79	448
C Jul 2002	14	24	1	98	0	98	7460.33	373
A Aug 2002	10	18	1	73	0	73	7450.91	318
L Sep 2002	13	16	1	58	0	58	7443.05	275
WY 2002	326	348	6	622	45	667		
* Oct 2002	24	25	0	33	0	33	7441.41	267
Nov 2002	23	22	0	15	0	15	7442.80	274
Dec 2002	20	19	0	11	0	11	7444.50	283
Jan 2003	19	19	0	11	0	11	7446.02	291
Feb 2003	18	18	0	3	0	3	7448.68	305
Mar 2003	30	30	0	12	0	12	7451.88	323
Apr 2003	66	63	1	23	0	23	7458.55	362
May 2003	201	184	1	28	0	28	7481.59	518
Jun 2003	280	252	1	39	0	39	7508.08	729
Jul 2003	134	130	2	83	0	83	7513.25	774
Aug 2003	65	69	1	99	0	99	7509.74	744
Sep 2003	37	45	1	100	0	100	7503.12	687
WY 2003	917	876	7	457	0	457		
Oct 2003	37	43	1	79	0	79	7498.71	651
Nov 2003	32	35	0	64	0	64	7495.05	621
Dec 2003	26	27	0	67	0	67	7490.02	581
Jan 2004	25	27	0	67	0	67	7484.74	541
Feb 2004	23	25	0	74	0	74	7478.12	492
Mar 2004	35	37	0	80	0	80	7471.96	449
Apr 2004	75	75	1	84	0	84	7470.52	439
May 2004	218	210	1	136	0	136	7480.91	513
Jun 2004	292	269	1	27	0	27	7510.82	753
Jul 2004	134	134	2	83	0	83	7516.35	802
Aug 2004	65	74	1	99	0	99	7513.46	776
Sep 2004	37	46	1	100	0	100	7507.09	721
WY 2004	999	1002	8	960	0	960		
Oct 2004	37	41	1	91	0	91	7501.04	670

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	29	33	2	34	0	34	0	34	7151.60	110
H Dec 2001	25	29	2	31	0	31	0	31	7150.43	109
I Jan 2002	24	33	2	34	0	32	0	32	7152.98	111
S Feb 2002	19	29	3	32	0	32	0	32	7152.95	111
T Mar 2002	32	39	2	41	0	42	0	42	7151.85	111
O Apr 2002	62	59	9	68	0	68	0	68	7151.67	110
R May 2002	58	72	5	77	0	72	0	72	7157.58	115
I Jun 2002	39	73	3	76	0	84	0	84	7147.52	107
C Jul 2002	16	98	2	100	0	98	0	98	7150.78	110
A Aug 2002	11	73	1	74	0	87	0	87	7133.30	97
L Sep 2002	15	58	2	60	0	35	17	52	7144.13	105
WY 2002	359	667	35	699	0	685	17	702		
* Oct 2002	25	33	1	34	0	29	0	29	7150.55	110
Nov 2002	24	15	1	16	0	14	0	14	7153.73	112
Dec 2002	22	11	2	12	0	12	0	12	7153.73	112
Jan 2003	21	11	2	12	0	12	0	12	7153.73	112
Feb 2003	21	3	3	6	0	6	0	6	7153.73	112
Mar 2003	34	12	4	15	0	15	0	15	7153.73	112
Apr 2003	77	23	11	34	0	34	0	34	7153.73	112
May 2003	225	28	24	52	0	52	0	52	7153.73	112
Jun 2003	302	39	22	61	0	61	0	61	7153.73	112
Jul 2003	141	83	7	90	0	90	0	90	7153.73	112
Aug 2003	68	99	4	103	0	103	0	103	7153.73	112
Sep 2003	39	100	2	102	0	102	0	102	7153.73	112
WY 2003	999	457	83	537	0	530	0	530		
Oct 2003	39	79	2	80	0	80	0	80	7153.73	112
Nov 2003	34	64	2	66	0	66	0	66	7153.73	112
Dec 2003	28	67	2	69	0	69	0	69	7153.73	112
Jan 2004	27	67	2	69	0	69	0	69	7153.73	112
Feb 2004	26	74	3	77	0	77	0	77	7153.73	112
Mar 2004	39	80	4	84	0	84	0	84	7153.73	112
Apr 2004	85	84	10	94	0	94	0	94	7153.73	112
May 2004	247	136	29	165	0	165	0	165	7153.73	112
Jun 2004	315	27	23	50	0	50	0	50	7153.73	112
Jul 2004	141	83	7	90	0	90	0	90	7153.73	112
Aug 2004	68	99	4	103	0	103	0	103	7153.73	112
Sep 2004	39	100	2	102	0	102	0	102	7153.73	112
WY 2004	1088	960	90	1049	0	1049	0	1049		
Oct 2004	39	91	2	93	0	93	0	93	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Crystal Reservoir CO

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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
* Nov 2001	33	34	4	38	37	0	37	6747.73	15	0	37
H Dec 2001	29	31	4	36	37	0	37	6744.45	15	0	36
I Jan 2002	28	32	4	37	31	6	37	6745.45	15	1	36
S Feb 2002	23	32	4	36	15	21	36	6743.75	14	1	34
T Mar 2002	35	42	3	45	42	0	42	6754.25	17	9	33
O Apr 2002	72	68	10	77	78	0	78	6751.14	16	54	25
R May 2002	65	72	6	78	81	0	81	6741.56	14	61	21
I Jun 2002	43	84	4	88	89	0	89	6739.81	13	60	32
C Jul 2002	21	98	5	103	101	0	101	6745.09	15	62	42
A Aug 2002	14	87	3	90	88	1	89	6747.38	15	58	32
L Sep 2002	19	52	4	56	54	1	55	6750.62	16	34	22
WY 2002	414	702	55	757	726	29	755			376	388
* Oct 2002	28	29	3	32	20	15	35	6740.91	14	0	17
Nov 2002	27	14	3	16	15	0	15	6746.05	15	0	15
Dec 2002	25	12	3	15	16	0	16	6746.05	15	0	15
Jan 2003	24	12	3	15	16	0	16	6746.05	15	0	15
Feb 2003	29	6	8	14	14	0	14	6746.05	15	0	14
Mar 2003	39	15	5	20	21	0	21	6746.05	15	5	15
Apr 2003	88	34	11	45	45	0	45	6746.05	15	30	15
May 2003	265	52	41	92	92	0	92	6746.05	15	55	37
Jun 2003	349	61	47	108	108	0	108	6746.05	15	60	48
Jul 2003	167	90	26	116	116	0	116	6746.05	15	65	51
Aug 2003	82	103	14	116	116	0	116	6746.05	15	65	51
Sep 2003	49	102	10	113	112	1	113	6746.05	15	55	58
WY 2003	1172	530	174	702	691	16	707			335	351
Oct 2003	47	80	8	88	88	0	88	6746.05	15	30	58
Nov 2003	40	66	6	72	72	0	72	6746.05	15	0	72
Dec 2003	33	69	5	74	74	0	74	6746.05	15	0	74
Jan 2004	32	69	5	74	74	0	74	6746.05	15	0	74
Feb 2004	31	77	5	82	55	27	82	6746.05	15	0	82
Mar 2004	47	84	8	91	91	0	91	6746.05	15	5	86
Apr 2004	104	94	18	112	112	0	112	6746.05	15	30	82
May 2004	299	165	52	217	116	101	217	6746.05	15	55	162
Jun 2004	378	50	62	112	112	0	112	6746.05	15	60	52
Jul 2004	167	90	26	116	116	0	116	6746.05	15	65	51
Aug 2004	82	103	14	116	116	0	116	6746.05	15	65	51
Sep 2004	49	102	10	113	112	1	113	6746.05	15	55	58
WY 2004	1309	1049	219	1267	1138	129	1267			365	902
Oct 2004	47	93	8	101	101	0	101	6746.05	15	30	71

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Vallecito Reservoir CO

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	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2001	5	3	7634.15	52
H Dec 2001	5	3	7634.98	54
I Jan 2002	4	3	7635.45	55
S Feb 2002	3	1	7636.00	56
T Mar 2002	3	2	7636.66	57
O Apr 2002	10	3	7639.87	64
R May 2002	16	36	7629.21	43
I Jun 2002	7	31	7611.76	19
C Jul 2002	4	4	7610.88	18
A Aug 2002	3	7	7607.41	15
L Sep 2002	10	5	7611.88	19
WY 2002	76	117		
* Oct 2002	8	4	7615.88	24
Nov 2002	6	1	7619.69	29
Dec 2002	4	1	7621.73	32
Jan 2003	3	1	7622.97	33
Feb 2003	3	1	7624.37	36
Mar 2003	6	3	7626.21	38
Apr 2003	17	15	7627.30	40
May 2003	58	42	7636.09	56
Jun 2003	77	42	7651.75	91
Jul 2003	35	43	7648.41	83
Aug 2003	19	37	7640.43	65
Sep 2003	16	28	7634.56	53
WY 2003	252	218		
Oct 2003	14	18	7632.46	49
Nov 2003	9	7	7633.73	52
Dec 2003	6	5	7634.31	53
Jan 2004	5	4	7634.92	54
Feb 2004	5	3	7635.80	56
Mar 2004	8	6	7636.79	58
Apr 2004	21	20	7637.29	59
May 2004	67	42	7648.61	84
Jun 2004	82	42	7664.52	124
Jul 2004	35	43	7661.53	116
Aug 2004	19	37	7654.55	98
Sep 2004	16	20	7652.95	94
WY 2004	287	247		
Oct 2004	14	18	7651.32	90

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply
Navajo Reservoir NM

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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
* Nov 2001	12	0	10	1	0	31	6060.52	1354	36
H Dec 2001	13	0	11	1	0	31	6058.91	1334	50
I Jan 2002	12	0	11	1	0	31	6057.25	1313	37
S Feb 2002	10	0	9	1	0	28	6055.64	1293	0
T Mar 2002	16	1	14	1	4	32	6053.71	1270	40
O Apr 2002	35	4	25	2	20	45	6050.17	1228	41
R May 2002	7	0	27	3	26	52	6045.50	1174	55
I Jun 2002	-10	0	14	3	36	48	6038.75	1099	46
C Jul 2002	4	0	5	3	41	53	6029.86	1007	47
A Aug 2002	-3	0	0	3	37	50	6020.59	917	45
L Sep 2002	11	0	7	2	16	34	6015.62	872	53
WY 2002	117	5	157	23	186	484			495
* Oct 2002	23	0	18	1	11	31	6012.91	847	49
Nov 2002	20	0	15	0	0	30	6011.17	832	30
Dec 2002	14	0	11	0	0	31	6008.84	812	31
Jan 2003	11	0	9	0	0	31	6006.23	790	31
Feb 2003	17	0	15	0	0	28	6004.60	776	28
Mar 2003	59	1	55	1	5	31	6006.87	795	31
Apr 2003	128	14	112	1	23	30	6013.54	853	30
May 2003	233	31	186	2	29	31	6026.78	977	31
Jun 2003	238	32	171	3	41	30	6036.33	1074	30
Jul 2003	84	9	83	3	46	52	6034.58	1055	52
Aug 2003	45	3	61	2	45	55	6030.50	1014	55
Sep 2003	41	1	52	2	21	55	6027.88	987	55
WY 2003	913	91	788	15	221	435			453
Oct 2003	44	1	47	1	7	31	6028.69	995	31
Nov 2003	35	0	32	1	0	30	6028.88	997	30
Dec 2003	25	0	24	0	0	31	6028.14	990	31
Jan 2004	23	0	21	0	0	31	6027.12	980	31
Feb 2004	31	0	30	0	0	28	6027.23	981	28
Mar 2004	89	1	87	1	3	31	6032.40	1033	31
Apr 2004	170	14	154	2	10	30	6043.00	1146	30
May 2004	274	31	218	3	26	59	6054.28	1277	59
Jun 2004	257	32	185	4	40	120	6056.04	1298	120
Jul 2004	84	9	83	4	35	52	6055.39	1290	52
Aug 2004	45	3	61	3	30	55	6053.15	1263	55
Sep 2004	41	1	44	2	21	30	6052.35	1253	30
WY 2004	1118	92	986	21	172	528			528
Oct 2004	44	1	47	1	7	31	6053.00	1261	31

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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 Lake Powell

	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	Bank Storage 1000 Ac-Ft	EOM Storage 1000 Ac-Ft	Lees Ferry 1000 Ac-Ft
* Nov 2001	336	384	35	606	0	606	3660.14	18750	18511	602
H Dec 2001	280	333	31	801	0	801	3656.17	18767	17996	803
I Jan 2002	263	318	21	805	0	805	3652.33	18747	17508	807
S Feb 2002	239	293	23	601	0	601	3649.79	18735	17190	605
T Mar 2002	296	338	21	602	0	602	3647.67	18713	16927	584
O Apr 2002	380	386	30	602	0	602	3645.85	18690	16705	616
R May 2002	312	445	39	590	0	590	3644.46	18674	16536	606
I Jun 2002	363	422	53	748	0	748	3640.91	18720	16111	762
C Jul 2002	60	200	54	897	0	897	3634.24	18748	15333	917
A Aug 2002	12	191	59	893	0	893	3627.45	18750	14569	913
L Sep 2002	273	392	55	483	0	483	3626.53	18752	14468	492
WY 2002	3058	4079	462	8230	0	8230				8309
* Oct 2002	309	372	32	496	0	496	3624.72	18794	14270	503
Nov 2002	300	321	34	476	0	476	3623.11	18780	14095	0
Dec 2002	250	286	28	600	0	600	3620.15	18754	13779	0
Jan 2003	240	281	21	840	0	840	3615.02	18711	13242	0
Feb 2003	278	291	19	800	0	800	3610.23	18672	12753	0
Mar 2003	483	423	23	600	0	600	3608.38	18657	12568	0
Apr 2003	784	615	26	600	0	600	3608.27	18657	12557	0
May 2003	1990	1556	37	650	0	650	3616.18	18721	13362	0
Jun 2003	2871	2184	44	800	0	800	3627.75	18820	14603	0
Jul 2003	1557	1331	52	850	0	850	3631.31	18852	15000	0
Aug 2003	613	657	54	850	0	850	3629.28	18834	14772	0
Sep 2003	475	580	46	668	0	668	3628.17	18824	14648	0
WY 2003	10150	8897	416	8230	0	8230				503
Oct 2003	557	615	42	600	0	600	3627.94	18822	14624	0
Nov 2003	550	604	35	600	0	600	3627.69	18820	14596	0
Dec 2003	439	532	29	800	0	800	3625.19	18798	14321	0
Jan 2004	405	496	21	800	0	800	3622.41	18774	14020	0
Feb 2004	432	506	20	800	0	800	3619.68	18750	13729	0
Mar 2004	663	640	25	650	0	650	3619.37	18748	13697	0
Apr 2004	985	841	28	650	0	650	3620.80	18760	13848	0
May 2004	2303	1980	39	850	0	850	3630.05	18841	14858	0
Jun 2004	3080	2479	47	1000	0	1000	3641.53	18947	16184	0
Jul 2004	1557	1376	56	1200	0	1200	3642.46	18956	16296	0
Aug 2004	613	698	56	1258	0	1258	3637.63	18910	15725	0
Sep 2004	475	598	48	1000	0	1000	3634.03	18877	15309	0
WY 2004	12059	11365	446	10208	0	10208				0
Oct 2004	557	658	43	650	0	650	3633.75	18874	15277	0

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

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Hoover Dam - Lake Mead

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	Glen Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	SNWP Use 1000 Ac-Ft	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Nov 2001	606	33	67	667	11.2	18	662	1285	1177.22	19776
H Dec 2001	801	48	57	758	12.3	12	749	1287	1177.37	19795
I Jan 2002	805	33	47	702	11.4	11	700	1292	1177.94	19870
S Feb 2002	601	37	43	785	14.1	12	780	1279	1176.50	19682
T Mar 2002	602	4	48	1147	18.6	19	1123	1242	1172.06	19112
O Apr 2002	602	-15	58	1112	18.7	28	1094	1205	1167.49	18539
R May 2002	590	16	65	1170	19.0	34	1155	1164	1162.39	17915
I Jun 2002	748	-22	76	1035	17.4	33	1025	1140	1159.19	17533
C Jul 2002	897	34	94	1008	16.4	34	999	1127	1157.57	17343
A Aug 2002	893	47	99	945	15.4	39	940	1119	1156.42	17209
L Sep 2002	483	169	81	664	11.2	30	643	1111	1155.42	17093
WY 2002	8230	402	802	10509		298	10370			
* Oct 2002	496	52	59	525	8.5	30	524	1107	1154.89	17032
Nov 2002	476	60	58	610	10.3	21	610	1098	1153.63	16888
Dec 2002	600	77	50	728	11.8	16	728	1091	1152.66	16777
Jan 2003	840	73	41	683	11.1	13	683	1101	1154.11	16943
Feb 2003	800	98	38	737	13.3	11	737	1108	1155.03	17048
Mar 2003	600	84	42	1126	18.3	19	1126	1077	1150.87	16576
Apr 2003	600	58	51	1207	20.3	24	1207	1039	1145.57	15990
May 2003	650	78	57	1116	18.1	30	1116	1010	1141.43	15544
Jun 2003	800	39	68	999	16.8	30	999	995	1139.13	15301
Jul 2003	850	68	84	901	14.7	30	901	989	1138.26	15209
Aug 2003	850	83	89	820	13.3	30	820	988	1138.20	15203
Sep 2003	668	71	74	676	11.4	28	676	986	1137.85	15166
WY 2003	8230	841	711	10128		282	10128			
Oct 2003	600	62	54	420	6.8	28	420	996	1139.28	15316
Nov 2003	600	60	54	703	11.8	20	703	989	1138.25	15208
Dec 2003	800	77	46	749	12.2	15	749	993	1138.84	15270
Jan 2004	800	73	38	721	11.7	13	721	999	1139.74	15365
Feb 2004	800	98	35	752	13.1	12	752	1005	1140.63	15459
Mar 2004	650	84	39	1089	17.7	20	1089	980	1136.93	15070
Apr 2004	650	58	48	1174	19.7	25	1174	947	1132.05	14564
May 2004	850	78	54	1079	17.5	32	1078	932	1129.88	14341
Jun 2004	1000	39	65	966	16.2	32	966	931	1129.66	14319
Jul 2004	1200	68	82	864	14.1	32	864	948	1132.33	14592
Aug 2004	1258	83	88	783	12.7	32	783	975	1136.29	15003
Sep 2004	1000	71	74	642	10.8	30	642	995	1139.19	15308
WY 2004	10208	851	677	9942		291	9940			
Oct 2004	650	62	54	382	6.2	30	382	1010	1141.38	15538

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	667	-7	602	0	602	10.1	636.76	1532
H Dec 2001	758	-23	611	0	611	9.9	641.37	1654
I Jan 2002	702	-18	664	0	664	10.8	642.09	1674
S Feb 2002	785	-15	800	0	800	14.4	640.95	1643
T Mar 2002	1147	-23	1057	0	1057	17.2	643.37	1709
O Apr 2002	1112	-26	1112	0	1112	18.7	642.40	1682
R May 2002	1170	-39	1077	0	1077	17.5	644.36	1736
I Jun 2002	1035	-16	1023	0	1023	17.2	643.78	1720
C Jul 2002	1008	-18	1002	0	1002	16.3	642.87	1695
A Aug 2002	945	-26	916	0	916	14.9	642.98	1698
L Sep 2002	664	-15	771	0	771	13.0	638.47	1577
WY 2002	10509	-227	10284	0	10285			
* Oct 2002	525	-4	610	0	610	9.9	635.03	1486
Nov 2002	610	-28	574	0	574	9.6	635.35	1495
Dec 2002	728	-28	542	0	542	8.8	641.30	1652
Jan 2003	683	-32	637	0	637	10.4	641.80	1666
Feb 2003	737	-26	678	0	678	12.2	643.01	1699
Mar 2003	1126	-29	1097	0	1097	17.8	643.01	1699
Apr 2003	1207	-36	1171	0	1171	19.7	643.01	1699
May 2003	1116	-33	1083	0	1083	17.6	643.01	1699
Jun 2003	999	-28	999	0	999	16.8	641.98	1671
Jul 2003	901	-29	953	0	953	15.5	639.01	1591
Aug 2003	820	-35	799	0	799	13.0	638.50	1577
Sep 2003	676	-31	658	0	658	11.1	638.00	1564
WY 2003	10128	-339	9801	0	9801			
Oct 2003	420	-30	583	0	583	9.5	630.49	1371
Nov 2003	703	-28	586	0	586	9.8	634.00	1460
Dec 2003	749	-28	598	0	598	9.7	638.71	1583
Jan 2004	721	-32	606	0	606	9.9	641.80	1666
Feb 2004	752	-26	693	0	693	12.0	643.01	1699
Mar 2004	1089	-29	1060	0	1060	17.2	643.01	1699
Apr 2004	1174	-36	1138	0	1138	19.1	643.01	1699
May 2004	1079	-33	1046	0	1045	17.0	643.01	1699
Jun 2004	966	-28	966	0	966	16.2	641.98	1671
Jul 2004	864	-29	915	0	915	14.9	639.01	1591
Aug 2004	783	-35	761	0	761	12.4	638.50	1577
Sep 2004	642	-31	625	0	625	10.5	638.00	1564
WY 2004	9942	-365	9577	0	9576			
Oct 2004	382	-30	546	0	546	8.9	630.49	1371

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	602	-6	400	6.7	109	108	446.35	549	99	1.7
H Dec 2001	611	6	341	5.6	102	171	446.50	552	123	2.0
I Jan 2002	664	-9	392	6.4	108	158	446.37	550	132	2.2
S Feb 2002	800	-15	504	9.1	98	173	446.97	560	160	2.9
T Mar 2002	1057	-8	714	11.6	109	196	448.53	590	216	3.5
O Apr 2002	1112	-8	818	13.7	106	186	448.20	584	207	3.5
R May 2002	1077	-6	763	12.4	110	186	448.77	595	121	2.0
I Jun 2002	1023	-26	753	12.7	106	161	448.14	583	123	2.1
C Jul 2002	1002	-28	811	13.2	109	87	447.00	561	127	2.1
A Aug 2002	916	-17	700	11.4	112	88	446.92	560	105	1.7
L Sep 2002	771	-10	578	9.7	107	70	447.20	565	112	1.9
WY 2002	10285	-131	7267		1282	1627			1610	
* Oct 2002	610	8	500	8.1	59	40	448.20	584	69	1.1
Nov 2002	574	17	405	6.8	108	103	446.90	560	99	1.7
Dec 2002	542	0	344	5.6	111	102	446.10	545	122	2.0
Jan 2003	637	-6	370	6.0	110	157	445.78	539	101	1.6
Feb 2003	678	10	460	8.3	58	170	445.78	539	146	2.6
Mar 2003	1097	12	790	12.8	110	193	446.66	555	187	3.0
Apr 2003	1171	0	840	14.1	106	187	448.68	593	171	2.9
May 2003	1083	-2	760	12.4	110	193	449.61	611	181	2.9
Jun 2003	999	-7	760	12.8	106	126	449.61	611	183	3.1
Jul 2003	953	-9	785	12.8	110	79	447.98	580	148	2.4
Aug 2003	799	1	635	10.3	110	64	447.48	570	110	1.8
Sep 2003	658	8	510	8.6	106	63	446.77	557	89	1.5
WY 2003	9801	32	7159		1204	1477			1606	
Oct 2003	583	11	460	7.5	110	33	446.27	548	55	0.9
Nov 2003	586	17	325	5.5	105	178	445.97	543	65	1.1
Dec 2003	598	0	370	6.0	109	123	445.78	539	65	1.1
Jan 2004	606	-6	370	6.0	73	157	445.78	539	101	1.6
Feb 2004	693	10	460	8.0	73	170	445.78	539	146	2.5
Mar 2004	1060	12	790	12.8	73	193	446.66	555	187	3.0
Apr 2004	1138	0	840	14.1	73	187	448.69	594	170	2.9
May 2004	1045	-2	760	12.4	73	193	449.61	611	181	2.9
Jun 2004	966	-7	760	12.8	73	126	449.61	611	183	3.1
Jul 2004	915	-9	785	12.8	73	79	447.98	580	148	2.4
Aug 2004	761	1	635	10.3	73	64	447.48	570	110	1.8
Sep 2004	625	8	510	8.6	73	63	446.77	557	89	1.5
WY 2004	9576	35	7065		981	1566			1500	
Oct 2004	546	11	460	7.5	73	33	446.27	548	55	0.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	667	11.2	1177.22	19776	-106	0.00	1670.0	302.9	81	454.0
H Dec 2001	758	12.3	1177.37	19795	20	0.00	1670.0	347.4	81	458.2
I Jan 2002	702	11.4	1177.94	19870	74	0.00	1402.0	318.5	68	453.9
S Feb 2002	785	14.1	1176.50	19682	-188	0.00	1402.0	363.2	68	462.8
T Mar 2002	1147	18.6	1172.06	19112	-570	0.00	1402.0	537.1	68	468.4
O Apr 2002	1112	18.7	1167.49	18539	-574	0.00	1670.0	512.8	81	461.2
R May 2002	1170	19.0	1162.39	17915	-623	0.00	1670.0	532.6	81	455.2
I Jun 2002	1035	17.4	1159.19	17533	-381	0.00	2062.0	464.3	100	448.6
C Jul 2002	1008	16.4	1157.57	17343	-190	0.00	2062.0	447.2	100	443.7
A Aug 2002	945	15.4	1156.42	17209	-134	0.00	2062.0	416.7	100	440.8
L Sep 2002	664	11.2	1155.42	17093	-116	0.00	1908.0	286.3	100	431.1
WY 2002	10508							4754.7		
* Oct 2002	525	8.5	1154.89	17032	-61	0.00	1545.0	225.0	81	428.7
Nov 2002	610	10.3	1153.63	16888	-145	508.96	1316.5	272.6	69	446.6
Dec 2002	728	11.8	1152.66	16777	-111	505.79	1316.5	326.2	69	448.0
Jan 2003	683	11.1	1154.11	16943	166	504.69	1183.0	304.0	62	445.3
Feb 2003	737	13.3	1155.03	17048	105	504.53	1316.5	335.0	69	454.6
Mar 2003	1126	18.3	1150.87	16576	-473	501.28	1526.4	511.6	80	454.2
Apr 2003	1207	20.3	1145.57	15990	-586	496.45	1545.5	551.2	81	456.7
May 2003	1116	18.1	1141.43	15544	-447	489.62	1908.0	489.0	100	438.1
Jun 2003	999	16.8	1139.13	15301	-242	486.75	1908.0	430.3	100	430.7
Jul 2003	901	14.7	1138.26	15209	-92	486.48	1908.0	387.6	100	429.9
Aug 2003	820	13.3	1138.20	15203	-7	487.16	1908.0	356.6	100	434.8
Sep 2003	676	11.4	1137.85	15166	-37	487.28	1908.0	287.3	100	425.1
WY 2003	10129							4476.2		
Oct 2003	420	6.8	1139.28	15316	151	488.97	1908.0	173.8	100	414.3
Nov 2003	703	11.8	1138.25	15208	-109	491.63	1908.0	302.5	100	430.6
Dec 2003	749	12.2	1138.84	15270	62	492.49	1316.5	329.9	69	440.3
Jan 2004	721	11.7	1139.74	15365	95	490.68	1316.5	314.5	69	436.4
Feb 2004	752	13.1	1140.63	15459	93	490.16	1316.5	332.9	69	442.9
Mar 2004	1089	17.7	1136.93	15070	-389	488.36	1316.5	487.1	69	447.2
Apr 2004	1174	19.7	1132.05	14564	-506	484.08	1316.5	529.3	69	450.9
May 2004	1079	17.5	1129.88	14341	-223	479.23	1545.5	467.8	81	433.8
Jun 2004	966	16.2	1129.66	14319	-22	476.27	1908.0	406.0	100	420.5
Jul 2004	864	14.1	1132.33	14592	273	478.80	1908.0	372.7	100	431.3
Aug 2004	783	12.7	1136.29	15003	411	483.25	1908.0	336.0	100	429.3
Sep 2004	642	10.8	1139.19	15308	305	487.00	1908.0	270.8	100	421.5
WY 2004	9940							4323.5		
Oct 2004	382	6.2	1141.38	15538	231	493.46	1431.0	157.7	75	412.5

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	602	10.1	636.76	1532	57	0.00	185.0	71.1	77	118.1
H Dec 2001	611	9.9	641.37	1654	123	0.00	163.0	74.9	68	122.5
I Jan 2002	664	10.8	642.09	1674	19	0.00	166.0	83.5	69	125.7
S Feb 2002	800	14.4	640.95	1643	-31	0.00	166.0	99.7	69	124.6
T Mar 2002	1057	17.2	643.37	1709	66	0.00	197.0	132.5	82	125.3
O Apr 2002	1112	18.7	642.40	1682	-26	0.00	192.0	139.8	80	125.7
R May 2002	1077	17.5	644.36	1736	54	0.00	240.0	135.9	100	126.2
I Jun 2002	1023	17.2	643.78	1720	-16	0.00	240.0	128.1	100	125.2
C Jul 2002	1002	16.3	642.87	1695	-25	0.00	240.0	125.0	100	124.8
A Aug 2002	916	14.9	642.98	1698	3	0.00	240.0	114.0	100	124.4
L Sep 2002	771	13.0	638.47	1577	-122	0.00	240.0	95.5	100	123.9
WY 2002	10284							1281.2		
* Oct 2002	610	9.9	635.03	1486	-90	0.00	192.0	73.3	80	120.1
Nov 2002	574	9.6	635.35	1495	8	129.56	184.8	68.9	77	120.1
Dec 2002	542	8.8	641.30	1652	158	133.60	163.2	66.8	68	123.2
Jan 2003	637	10.4	641.80	1666	14	137.26	153.6	80.0	64	125.5
Feb 2003	678	12.2	643.01	1699	33	137.30	177.6	85.2	74	125.7
Mar 2003	1097	17.8	643.01	1699	0	137.29	196.8	136.5	82	124.4
Apr 2003	1171	19.7	643.01	1699	0	136.05	240.0	145.1	100	123.9
May 2003	1083	17.6	643.01	1699	0	136.05	240.0	134.8	100	124.5
Jun 2003	999	16.8	641.98	1671	-28	135.51	240.0	124.2	100	124.3
Jul 2003	953	15.5	639.01	1591	-80	133.41	240.0	117.0	100	122.9
Aug 2003	799	13.0	638.50	1577	-13	131.57	240.0	97.5	100	122.1
Sep 2003	658	11.1	638.00	1564	-13	131.05	240.0	80.5	100	122.3
WY 2003	9802							1210.0		
Oct 2003	583	9.5	630.49	1371	-193	128.32	192.0	69.5	80	119.3
Nov 2003	586	9.8	634.00	1460	89	126.46	184.8	68.7	77	117.4
Dec 2003	598	9.7	638.71	1583	123	131.54	163.2	72.5	68	121.1
Jan 2004	606	9.9	641.80	1666	83	135.97	153.6	75.4	64	124.6
Feb 2004	693	12.0	643.01	1699	33	137.30	177.6	87.1	74	125.7
Mar 2004	1060	17.2	643.01	1699	0	137.29	196.8	132.1	82	124.6
Apr 2004	1138	19.1	643.01	1699	0	136.05	240.0	141.2	100	124.1
May 2004	1046	17.0	643.01	1699	0	136.05	240.0	130.4	100	124.7
Jun 2004	966	16.2	641.98	1671	-28	135.51	240.0	120.2	100	124.4
Jul 2004	915	14.9	639.01	1591	-80	133.41	240.0	112.6	100	123.1
Aug 2004	761	12.4	638.50	1577	-13	131.57	240.0	93.1	100	122.3
Sep 2004	625	10.5	638.00	1564	-13	131.05	240.0	76.5	100	122.5
WY 2004	9575							1179.3		
Oct 2004	546	8.9	630.49	1371	-193	128.32	192.0	65.2	80	119.5

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 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
* Nov 2001	400	6.7	446.35	549	-21	0.00	94.0	24.7	78	61.8
H Dec 2001	341	5.6	446.50	552	3	0.00	103.0	22.7	86	66.5
I Jan 2002	392	6.4	446.37	550	-2	0.00	120.0	25.9	100	66.1
S Feb 2002	504	9.1	446.97	560	11	0.00	120.0	31.5	100	62.5
T Mar 2002	714	11.6	448.53	590	30	0.00	120.0	48.2	100	67.5
O Apr 2002	818	13.7	448.20	584	-6	0.00	120.0	55.4	100	67.7
R May 2002	763	12.4	448.77	595	11	0.00	120.0	52.0	100	68.1
I Jun 2002	753	12.7	448.14	583	-12	0.00	120.0	51.1	100	67.9
C Jul 2002	811	13.2	447.00	561	-21	0.00	120.0	54.5	100	67.1
A Aug 2002	700	11.4	446.92	560	-2	0.00	120.0	47.0	100	67.2
L Sep 2002	578	9.7	447.20	565	5	0.00	113.0	39.2	94	67.8
WY 2002	7268							485.6		
* Oct 2002	500	8.1	448.20	584	19	0.00	92.0	34.5	77	69.0
Nov 2002	405	6.8	446.90	560	-24	76.16	93.6	26.5	78	65.4
Dec 2002	344	5.6	446.10	545	-15	74.66	103.2	21.9	86	63.6
Jan 2003	370	6.0	445.78	539	-6	73.37	120.0	23.3	100	63.0
Feb 2003	460	8.3	445.78	539	0	73.21	120.0	29.3	100	63.7
Mar 2003	790	12.8	446.66	555	16	73.64	120.0	51.2	100	64.8
Apr 2003	840	14.1	448.68	593	38	75.05	120.0	55.5	100	66.1
May 2003	760	12.4	449.61	611	18	76.49	120.0	50.9	100	67.0
Jun 2003	760	12.8	449.61	611	0	76.94	120.0	51.2	100	67.4
Jul 2003	785	12.8	447.98	580	-31	76.15	120.0	52.4	100	66.8
Aug 2003	635	10.3	447.48	570	-10	75.11	120.0	41.6	100	65.6
Sep 2003	510	8.6	446.77	557	-13	74.83	112.8	33.1	94	65.0
WY 2003	7159							471.5		
Oct 2003	460	7.5	446.27	548	-9	75.22	92.4	30.0	77	65.1
Nov 2003	325	5.5	445.97	543	-6	74.77	93.6	20.7	78	63.7
Dec 2003	370	6.0	445.78	539	-4	74.05	103.2	23.5	86	63.5
Jan 2004	370	6.0	445.78	539	0	74.62	90.0	23.7	75	64.0
Feb 2004	460	8.0	445.78	539	0	74.62	90.0	29.9	75	64.9
Mar 2004	790	12.8	446.66	555	16	75.05	90.0	52.3	75	66.3
Apr 2004	840	14.1	448.69	594	38	76.47	90.0	56.7	75	67.6
May 2004	760	12.4	449.61	611	18	77.90	90.0	52.0	75	68.4
Jun 2004	760	12.8	449.61	611	0	78.35	90.0	52.3	75	68.8
Jul 2004	785	12.8	447.98	580	-31	77.55	90.0	53.6	75	68.2
Aug 2004	635	10.3	447.48	570	-10	75.11	120.0	41.6	100	65.6
Sep 2004	510	8.6	446.77	557	-13	74.83	112.8	33.1	94	65.0
WY 2004	7065							469.5		
Oct 2004	460	7.5	446.27	548	-9	75.22	92.4	30.0	77	65.1

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2002 Most Prob Water Supply

Thu Nov 7 15:06:51 2002

Upper Basin Power

	Glen Canyon 1000 MWHR	Flam Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Res 1000 MWHR	Font Res 1000 MWHR
* Nov 2001	286	16	9	12	5	1
H Dec 2001	376	16	8	11	5	1
I Jan 2002	375	16	9	11	4	1
S Feb 2002	278	15	8	10	3	1
T Mar 2002	277	16	10	14	7	1
Winter 2002	1887	101	64	83	38	10
O Apr 2002	276	16	16	24	15	1
R May 2002	270	41	20	26	15	5
I Jun 2002	341	28	8	30	16	3
C Jul 2002	406	16	27	35	19	3
A Aug 2002	397	16	19	30	17	3
L Sep 2002	213	17	15	18	10	3
Summer 2002	1903	135	105	162	92	17
* Oct 2002	0	0	0	0	0	0
Nov 2002	198	17	4	5	3	3
Dec 2002	248	17	3	4	3	3
Jan 2003	344	17	3	4	3	3
Feb 2003	324	16	1	2	3	3
Mar 2003	242	17	3	5	4	4
Winter 2003	1356	85	13	21	15	16
Apr 2003	241	17	6	12	8	7
May 2003	262	46	8	19	17	8
Jun 2003	330	41	12	22	20	9
Jul 2003	356	22	26	33	22	10
Aug 2003	356	22	31	37	22	10
Sep 2003	279	26	31	37	21	2
Summer 2003	1825	174	113	159	111	44
Oct 2003	251	31	24	29	17	7
Nov 2003	251	30	19	24	14	5
Dec 2003	333	31	20	25	14	6
Jan 2004	332	31	20	25	14	6
Feb 2004	330	28	21	28	10	5
Mar 2004	268	35	23	30	17	6
Winter 2004	1764	187	126	161	86	34
Apr 2004	268	44	23	34	21	5
May 2004	353	80	38	59	22	6
Jun 2004	424	73	8	18	21	8
Jul 2004	514	43	26	33	22	10
Aug 2004	537	43	31	37	22	10
Sep 2004	424	42	31	37	21	7
Summer 2004	2520	325	158	218	129	46
Oct 2004	274	43	28	34	19	7

model_run_id = 1048

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 * * * *																			
NOV	2002	1199	563	849	10050	12660	10348	23008	1199	563	849	2610	10050	10348	23008	3810	610	0	37.2
DEC	2002	1224	556	864	10225	12868	10492	23360	1224	556	864	2643	10225	10492	23360	4580	728	0	36.9
JAN	2003	1255	547	884	10541	13226	10603	23829	1255	547	884	2685	10541	10603	23829	5350	683	0	36.4
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2003	1255	547	884	10541	13226	10603	23829	666	547	398	1611	10541	10603	22754	5350	683	0	36.4
FEB	2003	1285	539	906	11078	13808	10437	24245	695	539	420	1653	11078	10437	23168	1500	737	0	36.1
MAR	2003	1305	524	920	11567	14316	10332	24647	712	524	433	1669	11567	10332	23568	1500	1126	0	35.5
APR	2003	1291	506	901	11752	14450	10804	25255	693	506	409	1608	11752	10804	24165	1500	1207	0	35.1
MAY	2003	1235	467	843	11763	14308	11390	25698	628	465	327	1420	11763	11390	24573	1500	1116	0	35.9
JUN	2003	1128	312	719	10958	13117	11836	24953	509	292	172	973	10958	11836	23767	1500	999	0	37.5
JUL	2003	837	100	622	9717	11277	12079	23356	198	51	31	280	9717	12079	22076	1500	901	0	37.9
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2003	659	55	641	9320	10674	12171	22845	659	55	641	1355	9320	12171	22845	1500	820	0	37.6
SEP	2003	625	86	682	9548	10941	12177	23119	625	86	682	1394	9548	12177	23119	2270	676	0	37.3
OCT	2003	642	142	709	9672	11164	12214	23378	642	142	709	1493	9672	12214	23378	3040	420	0	37.1
NOV	2003	669	179	701	9696	11245	12064	23308	669	179	701	1548	9696	12064	23308	3810	703	0	37.0
DEC	2003	699	208	699	9724	11330	12172	23503	699	208	699	1606	9724	12172	23503	4580	749	0	36.8
JAN	2004	748	248	706	9999	11701	12110	23810	748	248	706	1702	9999	12110	23810	5350	721	0	36.6
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2004	748	248	706	9999	11701	12110	23810	479	248	427	1154	9999	12110	23263	5350	721	0	36.6
FEB	2004	791	288	716	10300	12095	12015	24110	520	288	437	1245	10300	12015	23560	1500	726	0	36.4
MAR	2004	820	337	715	10591	12463	11921	24384	545	337	436	1318	10591	11921	23830	1500	1089	0	36.0
APR	2004	813	380	663	10623	12479	12310	24789	532	380	380	1292	10623	12310	24225	1500	1174	0	35.8
MAY	2004	784	390	550	10472	12197	12816	25013	494	390	256	1140	10472	12816	24428	1500	1078	0	36.9
JUN	2004	713	317	419	9462	10911	13039	23950	412	316	96	824	9462	13039	23324	1500	966	0	38.7
JUL	2004	462	77	398	8136	9072	13061	22133	142	51	31	224	8136	13061	21421	1500	864	0	39.1
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2004	339	27	406	8024	8796	12788	21584	339	27	406	772	8024	12788	21584	1500	783	0	38.9
SEP	2004	360	53	433	8595	9441	12377	21818	360	53	433	847	8595	12377	21818	2270	642	0	38.6
OCT	2004	419	109	443	9011	9981	12072	22053	419	109	443	970	9011	12072	22053	3040	382	0	38.5