

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
River Operations Group
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This operation study reflects the 2003 Annual Operating Plan (AOP) as signed by the Secretary of Interior. This study shows that the normal determination is the criterion governing the operation of Lake Mead for calendar year 2003. A copy of the 2003 AOP, as submitted to the Secretary for approval, can be obtained by contacting Lorraine Siano, (702)293-8539 or visit our website at www.usbr.gov/lc/region/lcrivops.html.

This operational plan is based on the modeling assumption that the lower basin states will take their full apportionment of 4.4 million acre-feet (MAF) for California, 2.8 MAF for Arizona, and 0.3 MAF for Nevada during calendar years 2003 and 2004. Calendar year 2003 schedules are 0.610 MAF for the Metropolitan Water District, 1.695 MAF for the Central Arizona Project, and 0.272 MAF for southern Nevada pumping from Lake Mead. This operational plan does not reflect forecasted end of year use. For more information on actual and forecasted water use, visit our web site at www.usbr.gov/lc/region/lcrivops.html.

As of 6/10/03, due to the current elevation of Lake Mead, Hoover's generating plant effective capacity has been changed to 1840 MW. Unit capacity tests will be performed as lake elevation decreases in 2' increments. Davis generating plant effective capacity has changed to 255 MW. This study reflects these changes in the projections.

Current runoff projections into Lake Powell are provided by the National Weather Service, Colorado Basin River Forecast Center and are as follows: observed unregulated inflow into Lake Powell for the month of September was .454 MAF or 96% of the 30 year average. The forecast for the month of October unregulated inflow into Lake Powell is .350 MAF or 64% of the 30 year average. The observed April through July unregulated inflow for water year 2003 is 3.918 MAF or 49% of average. Observed water year 2003 unregulated inflow into Lake Powell is 6.358 MAF or 53% 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 10/2003 Most Prob Water Supply
Fontenelle Reservoir

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	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Oct 2002	32	1	40	0	40	6491.36	237
H Nov 2002	31	1	25	14	39	6490.06	228
I Dec 2002	26	1	40	0	40	6487.79	213
S Jan 2003	25	1	40	0	40	6485.33	198
T Feb 2003	24	1	36	0	36	6483.23	185
O Mar 2003	59	1	58	0	58	6483.32	186
R Apr 2003	56	1	83	4	87	6477.50	154
I May 2003	76	1	74	13	87	6475.15	142
C Jun 2003	189	2	63	0	63	6495.52	266
A Jul 2003	69	2	46	0	46	6498.43	287
L Aug 2003	35	2	47	0	47	6496.53	273
* Sep 2003	31	2	46	0	46	6494.31	258
WY 2003	653	16	598	31	629		
Oct 2003	30	1	46	0	46	6491.85	240
Nov 2003	25	1	44	0	44	6488.83	221
Dec 2003	20	1	46	0	46	6484.70	194
Jan 2004	24	1	46	0	46	6480.83	171
Feb 2004	23	1	42	0	42	6477.13	152
Mar 2004	41	0	64	0	64	6472.15	128
Apr 2004	73	1	92	1	93	6467.27	108
May 2004	153	1	97	1	98	6479.05	162
Jun 2004	278	2	102	43	145	6499.16	293
Jul 2004	166	3	101	14	115	6505.41	341
Aug 2004	72	2	100	0	100	6501.54	311
Sep 2004	41	2	65	0	65	6498.11	285
WY 2004	946	16	845	59	904		
Oct 2004	47	1	67	0	67	6495.18	264
Nov 2004	39	1	65	0	65	6491.35	237
Dec 2004	30	1	67	0	67	6485.55	199
Jan 2005	28	1	67	0	67	6478.67	160
Feb 2005	26	0	60	0	60	6471.43	125
Mar 2005	47	0	70	0	70	6465.74	102
Apr 2005	84	1	90	0	90	6464.02	95
May 2005	176	1	96	24	120	6476.78	150
Jun 2005	320	2	101	74	175	6499.23	293
Jul 2005	192	3	101	39	140	6505.60	342
Aug 2005	83	2	74	0	74	6506.43	349
Sep 2005	48	2	72	0	72	6503.17	323
WY 2005	1120	15	930	137	1067		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	30	38	6	50	0	50	69	6010.50	2657	0	67
H Nov 2002	32	40	3	48	0	48	69	6010.17	2647	0	71
I Dec 2002	22	36	2	50	0	50	68	6009.71	2632	0	72
S Jan 2003	30	45	1	49	0	49	68	6009.50	2625	0	80
T Feb 2003	32	43	2	57	0	57	67	6009.04	2610	0	79
O Mar 2003	78	77	3	52	0	52	68	6009.69	2631	0	131
R Apr 2003	66	96	4	49	0	49	70	6010.98	2673	0	219
I May 2003	99	119	7	140	0	140	69	6010.17	2647	0	590
C Jun 2003	244	111	9	63	0	63	70	6011.30	2684	0	506
A Jul 2003	72	48	11	50	0	50	70	6010.90	2670	0	102
L Aug 2003	33	44	11	52	0	52	69	6010.36	2653	0	65
* Sep 2003	26	40	9	50	0	50	68	6009.81	2635	0	65
WY 2003	764	737	68	710	0	710					2047
Oct 2003	30	46	4	49	0	49	68	6009.59	2629	0	49
Nov 2003	25	44	2	47	0	47	68	6009.45	2624	0	47
Dec 2003	20	46	1	49	0	49	68	6009.31	2620	0	49
Jan 2004	35	57	1	49	0	49	68	6009.51	2626	0	49
Feb 2004	39	58	2	44	0	44	68	6009.87	2638	0	44
Mar 2004	84	107	4	49	0	49	70	6011.51	2690	0	49
Apr 2004	122	142	6	48	0	48	73	6014.06	2775	0	48
May 2004	236	181	9	125	0	125	74	6015.41	2821	0	125
Jun 2004	367	234	11	146	0	146	77	6017.57	2895	0	146
Jul 2004	202	151	12	61	0	61	79	6019.73	2970	0	61
Aug 2004	84	112	10	61	0	61	81	6020.86	3010	0	61
Sep 2004	51	75	8	60	0	60	81	6021.04	3017	0	60
WY 2004	1295	1253	70	788	0	788					788
Oct 2004	59	79	5	61	0	61	81	6021.40	3030	0	61
Nov 2004	50	76	2	60	0	60	82	6021.78	3043	0	60
Dec 2004	36	73	2	61	0	61	82	6022.06	3053	0	61
Jan 2005	41	80	2	61	0	61	83	6022.52	3070	0	61
Feb 2005	45	79	2	56	0	56	83	6023.08	3090	0	56
Mar 2005	97	120	4	61	0	61	85	6024.54	3143	0	61
Apr 2005	141	147	7	60	0	60	88	6026.62	3221	0	60
May 2005	273	217	10	200	0	200	88	6026.80	3227	0	200
Jun 2005	423	278	13	220	0	220	89	6027.97	3271	0	220
Jul 2005	233	181	14	117	0	117	91	6029.25	3320	0	117
Aug 2005	97	88	10	117	0	117	90	6028.25	3282	0	117
Sep 2005	59	83	9	114	0	114	88	6027.23	3244	0	114
WY 2005	1554	1501	80	1188	0	1188					1188

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	4	4	9289.23	42
H Nov 2002	3	3	9289.12	42
I Dec 2002	3	3	9288.42	41
S Jan 2003	3	3	9287.57	40
T Feb 2003	3	3	9287.04	40
O Mar 2003	3	4	9286.61	39
R Apr 2003	7	4	9289.66	42
I May 2003	29	8	9305.60	63
C Jun 2003	31	13	9316.66	81
A Jul 2003	9	15	9313.21	75
L Aug 2003	6	14	9308.70	68
* Sep 2003	8	7	9309.00	68
WY 2003	109	81		
Oct 2003	5	3	9310.37	70
Nov 2003	4	3	9311.01	72
Dec 2003	4	3	9311.34	72
Jan 2004	3	3	9311.40	72
Feb 2004	3	3	9311.46	72
Mar 2004	3	3	9311.52	72
Apr 2004	6	6	9311.65	73
May 2004	21	14	9315.88	80
Jun 2004	36	18	9325.64	98
Jul 2004	17	18	9325.22	97
Aug 2004	8	18	9319.78	87
Sep 2004	6	14	9314.95	78
WY 2004	116	106		
Oct 2004	6	8	9313.71	76
Nov 2004	5	3	9314.66	78
Dec 2004	4	3	9315.30	79
Jan 2005	4	3	9315.83	80
Feb 2005	3	3	9316.06	80
Mar 2005	4	6	9314.83	78
Apr 2005	8	12	9312.20	73
May 2005	25	16	9317.26	82
Jun 2005	41	20	9328.43	103
Jul 2005	20	22	9327.42	101
Aug 2005	9	20	9321.85	90
Sep 2005	6	16	9316.52	81
WY 2005	135	132		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	24	25	0	33	0	33	7441.41	267
H Nov 2002	23	23	0	12	0	12	7443.54	278
I Dec 2002	17	18	0	13	0	13	7444.59	283
S Jan 2003	17	18	0	11	0	11	7446.05	291
T Feb 2003	16	17	0	15	0	15	7446.30	292
O Mar 2003	27	27	0	9	0	9	7449.60	310
R Apr 2003	42	39	0	50	0	50	7447.48	299
I May 2003	174	155	1	42	0	42	7466.19	411
C Jun 2003	170	150	1	48	0	48	7480.76	512
A Jul 2003	43	49	1	101	0	101	7473.26	458
L Aug 2003	33	40	1	93	0	93	7465.29	405
* Sep 2003	45	45	1	62	0	62	7462.45	387
WY 2003	631	606	5	489	0	489		
Oct 2003	30	28	0	44	0	44	7459.86	370
Nov 2003	25	24	0	14	0	14	7461.44	380
Dec 2003	20	19	0	16	0	16	7461.97	383
Jan 2004	20	20	0	17	0	17	7462.49	387
Feb 2004	18	18	0	15	0	15	7462.92	389
Mar 2004	27	27	0	17	0	17	7464.49	400
Apr 2004	59	59	1	29	0	29	7468.94	429
May 2004	170	163	1	23	0	23	7488.23	568
Jun 2004	228	210	1	29	0	29	7510.18	747
Jul 2004	105	106	2	87	0	87	7512.21	765
Aug 2004	51	61	1	103	0	103	7507.25	722
Sep 2004	29	37	1	94	0	94	7500.41	665
WY 2004	782	772	7	488	0	488		
Oct 2004	33	35	1	70	0	70	7496.05	629
Nov 2004	29	27	0	41	0	41	7494.39	616
Dec 2004	23	22	0	56	0	56	7490.04	582
Jan 2005	23	22	0	85	0	85	7481.71	519
Feb 2005	21	21	0	77	0	77	7473.89	462
Mar 2005	32	34	0	76	0	76	7467.74	421
Apr 2005	68	72	1	82	0	82	7466.26	411
May 2005	196	187	1	43	0	43	7486.50	554
Jun 2005	263	242	1	27	0	27	7512.54	768
Jul 2005	121	123	2	87	0	87	7516.40	802
Aug 2005	59	70	1	101	0	101	7512.76	770
Sep 2005	33	43	1	88	0	88	7507.42	724
WY 2005	901	898	8	833	0	833		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	25	33	1	34	0	29	0	29	7150.55	110
H Nov 2002	24	12	1	13	0	13	0	13	7150.23	109
I Dec 2002	18	13	1	14	0	13	0	13	7150.72	110
S Jan 2003	19	11	1	13	0	12	0	12	7151.64	110
T Feb 2003	18	15	2	17	0	15	0	15	7154.46	113
O Mar 2003	29	9	3	12	0	16	0	16	7148.63	108
R Apr 2003	48	50	7	57	0	52	0	52	7154.64	113
I May 2003	188	42	14	56	0	54	0	54	7157.73	115
C Jun 2003	180	48	10	58	0	59	0	59	7157.05	115
A Jul 2003	46	101	3	104	0	106	0	106	7154.89	113
L Aug 2003	36	93	3	95	0	97	0	97	7152.55	111
* Sep 2003	47	62	2	64	0	64	0	64	7153.42	112
WY 2003	678	489	48	537	0	530	0	530		
Oct 2003	32	44	2	45	0	45	0	45	7153.73	112
Nov 2003	27	14	2	16	0	16	0	16	7153.73	112
Dec 2003	22	16	2	18	0	18	0	18	7153.73	112
Jan 2004	21	17	1	18	0	18	0	18	7153.73	112
Feb 2004	20	15	2	17	0	17	0	17	7153.73	112
Mar 2004	30	17	3	19	0	20	0	20	7153.73	112
Apr 2004	66	29	7	36	0	36	0	36	7153.73	112
May 2004	193	23	23	46	0	46	0	46	7153.73	112
Jun 2004	246	29	18	47	0	47	0	47	7153.73	112
Jul 2004	110	87	5	91	0	92	0	92	7153.73	112
Aug 2004	53	103	2	105	0	105	0	105	7153.73	112
Sep 2004	30	94	1	95	0	95	0	95	7153.73	112
WY 2004	850	488	68	553	0	555	0	555		
Oct 2004	35	70	2	72	0	72	0	72	7153.73	112
Nov 2004	31	41	2	42	0	43	0	43	7153.73	112
Dec 2004	25	56	2	58	0	58	0	58	7153.73	112
Jan 2005	24	85	1	86	0	86	0	86	7153.73	112
Feb 2005	23	77	2	78	0	79	0	79	7153.73	112
Mar 2005	35	76	3	79	0	79	0	79	7153.73	112
Apr 2005	77	82	9	91	0	91	0	91	7153.73	112
May 2005	222	43	26	69	0	69	0	69	7153.73	112
Jun 2005	284	27	21	48	0	48	0	48	7153.73	112
Jul 2005	127	87	6	93	0	93	0	93	7153.73	112
Aug 2005	61	101	2	103	0	103	0	103	7153.73	112
Sep 2005	35	88	2	90	0	90	0	90	7153.73	112
WY 2005	979	833	78	909	0	911	0	911		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	28	29	3	32	20	15	35	6740.91	14	0	17
H Nov 2002	27	13	3	16	1	15	16	6740.74	14	1	0
I Dec 2002	21	13	2	16	1	14	15	6742.41	14	1	16
S Jan 2003	22	12	3	15	2	14	16	6740.21	13	1	17
T Feb 2003	21	15	3	18	0	15	15	6752.71	17	0	14
O Mar 2003	34	16	4	20	10	11	21	6750.34	16	5	16
R Apr 2003	56	52	7	59	59	0	59	6752.87	17	43	16
I May 2003	206	54	18	72	72	0	72	6752.51	17	49	24
C Jun 2003	196	59	16	75	77	1	78	6740.47	13	48	34
A Jul 2003	52	106	6	111	108	1	109	6748.44	16	63	48
L Aug 2003	42	97	6	103	102	0	102	6752.65	17	62	0
* Sep 2003	52	64	5	68	70	0	70	6744.61	15	46	27
WY 2003	757	530	76	605	522	86	608			319	229
Oct 2003	38	45	6	51	51	0	51	6746.05	15	30	21
Nov 2003	31	16	4	20	20	0	20	6746.05	15	0	20
Dec 2003	25	18	3	21	21	0	21	6746.05	15	0	21
Jan 2004	25	18	4	22	22	0	22	6746.05	15	0	22
Feb 2004	23	17	3	20	20	0	20	6746.05	15	0	20
Mar 2004	37	20	7	27	27	0	27	6746.05	15	5	22
Apr 2004	81	36	15	51	51	0	51	6746.05	15	30	21
May 2004	233	46	40	86	86	0	86	6746.05	15	55	31
Jun 2004	295	47	49	96	96	0	96	6746.05	15	60	36
Jul 2004	130	92	20	111	112	0	112	6746.05	15	65	46
Aug 2004	64	105	11	116	116	0	116	6746.05	15	65	51
Sep 2004	38	95	8	103	103	0	103	6746.05	15	55	48
WY 2004	1020	555	170	724	725	0	725			365	359
Oct 2004	42	72	7	79	79	0	79	6746.05	15	30	49
Nov 2004	36	43	5	47	48	0	48	6746.05	15	0	47
Dec 2004	30	58	5	63	63	0	63	6746.05	15	0	63
Jan 2005	29	86	5	91	91	0	91	6746.05	15	0	91
Feb 2005	27	79	4	82	83	0	83	6746.05	15	0	82
Mar 2005	42	79	7	86	86	0	86	6746.05	15	5	80
Apr 2005	94	91	17	108	108	0	108	6746.05	15	30	77
May 2005	269	69	47	116	116	0	116	6746.05	15	55	61
Jun 2005	340	48	56	104	104	0	104	6746.05	15	60	44
Jul 2005	150	93	23	116	116	0	116	6746.05	15	65	51
Aug 2005	74	103	13	116	116	0	116	6746.05	15	65	51
Sep 2005	44	90	9	99	99	0	99	6746.05	15	55	44
WY 2005	1177	911	198	1107	1109	0	1109			365	740

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 10/2003 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
* Oct 2002	8	4	7615.88	24
H Nov 2002	6	1	7619.82	29
I Dec 2002	4	0	7622.37	32
S Jan 2003	3	0	7624.24	35
T Feb 2003	3	0	7625.98	38
O Mar 2003	5	0	7628.62	42
R Apr 2003	14	0	7635.63	55
I May 2003	53	29	7646.68	79
C Jun 2003	30	40	7641.61	68
A Jul 2003	9	36	7627.82	41
L Aug 2003	11	26	7616.93	25
* Sep 2003	17	6	7624.58	36
WY 2003	163	142		
Oct 2003	8	4	7627.08	34
Nov 2003	5	1	7629.65	39
Dec 2003	4	1	7631.55	43
Jan 2004	4	1	7633.32	46
Feb 2004	4	1	7635.04	50
Mar 2004	6	4	7636.15	55
Apr 2004	16	13	7638.03	59
May 2004	52	43	7642.38	68
Jun 2004	64	42	7652.05	90
Jul 2004	27	43	7645.42	82
Aug 2004	16	43	7632.26	67
Sep 2004	13	30	7621.61	60
WY 2004	219	226		
Oct 2004	13	4	7627.20	68
Nov 2004	8	2	7630.72	73
Dec 2004	5	2	7632.58	74
Jan 2005	5	2	7633.90	74
Feb 2005	5	2	7635.19	75
Mar 2005	7	2	7637.78	78
Apr 2005	19	12	7641.05	79
May 2005	60	43	7648.68	96
Jun 2005	74	42	7661.34	125
Jul 2005	32	43	7656.92	114
Aug 2005	17	43	7646.29	88
Sep 2005	14	30	7639.22	72
WY 2005	259	227		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 Most Prob Water Supply
Navajo Reservoir

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	Mod_Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir	Live	Farm
	Inflow	Tunnel_Div	Inflow	Losses	Diversion	Release	Elevation	Storage	Flow
	1000	1000	1000	1000	1000	1000	EOM	1000	1000
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	ac-Ft	Ac-Ft	Feet	Ac-Ft	Ac-Ft
* Oct 2002	23	0	18	1	11	31	6012.91	847	49
H Nov 2002	20	0	15	1	1	21	6012.07	840	0
I Dec 2002	13	0	9	0	0	22	6010.55	827	42
S Jan 2003	13	0	10	0	0	22	6009.14	815	39
T Feb 2003	15	0	12	0	0	20	6008.15	806	35
O Mar 2003	39	1	34	1	4	22	6008.99	813	44
R Apr 2003	71	11	48	2	16	21	6010.10	823	41
I May 2003	163	26	115	2	26	25	6016.96	884	97
C Jun 2003	81	19	68	3	36	29	6017.05	885	87
A Jul 2003	-9	1	17	3	41	58	6007.43	800	53
L Aug 2003	2	1	19	2	33	43	6000.18	740	49
* Sep 2003	0	0	35	2	15	24	5999.45	734	0
WY 2003	431	59	400	17	183	338			536
Oct 2003	20	1	20	1	12	26	5996.29	716	26
Nov 2003	15	0	10	0	1	21	5994.79	710	21
Dec 2003	15	0	11	0	0	22	5993.45	705	22
Jan 2004	18	0	14	0	0	15	5993.30	704	15
Feb 2004	24	0	21	0	0	14	5994.13	710	14
Mar 2004	69	1	63	1	5	15	5999.97	753	15
Apr 2004	133	14	114	1	24	18	6008.65	828	18
May 2004	215	31	174	2	31	15	6022.65	954	15
Jun 2004	201	32	146	3	43	15	6031.34	1039	15
Jul 2004	66	9	65	3	48	34	6030.04	1025	34
Aug 2004	35	3	47	2	43	41	6027.39	990	41
Sep 2004	31	1	38	2	19	23	6027.79	984	23
WY 2004	842	92	723	15	226	259			259
Oct 2004	40	1	30	1	12	22	6027.37	980	22
Nov 2004	32	0	28	1	1	21	6027.73	986	21
Dec 2004	23	0	21	0	0	22	6027.47	985	22
Jan 2005	21	0	20	0	0	31	6026.16	975	31
Feb 2005	28	0	28	0	0	28	6025.86	974	28
Mar 2005	80	1	76	1	4	31	6029.69	1013	31
Apr 2005	153	14	138	2	21	30	6037.31	1098	30
May 2005	248	31	200	3	28	59	6047.38	1209	59
Jun 2005	231	32	170	3	39	120	6047.81	1217	120
Jul 2005	76	9	78	4	44	40	6047.03	1208	40
Aug 2005	41	3	64	3	43	34	6045.68	1192	34
Sep 2005	36	1	51	2	19	30	6045.64	1192	30
WY 2005	1009	92	904	20	211	468			468

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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	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
* Oct 2002	309	372	32	496	0	496	3624.72	19121	14270	503
H Nov 2002	377	384	27	476	0	476	3623.25	19160	14111	480
I Dec 2002	252	279	24	602	0	602	3620.10	19151	13774	610
S Jan 2003	236	264	16	784	0	784	3615.28	19120	13269	798
T Feb 2003	262	281	17	714	0	714	3611.02	19106	12833	727
O Mar 2003	413	376	15	786	0	786	3607.13	19071	12444	794
R Apr 2003	409	387	22	601	0	601	3605.10	19035	12243	605
I May 2003	1156	1054	29	652	0	652	3610.26	18895	12756	662
C Jun 2003	2003	1644	44	842	0	842	3616.20	19045	13365	872
A Jul 2003	350	447	45	900	0	900	3610.63	19117	12794	925
L Aug 2003	137	292	50	902	0	902	3604.21	19096	12156	924
* Sep 2003	454	490	47	473	0	473	3603.73	19113	12110	0
WY 2003	6358	6270	368	8228	0	8228				7900
Oct 2003	350	401	36	492	0	492	3602.52	19103	11992	0
Nov 2003	400	412	30	476	0	476	3601.67	19097	11905	0
Dec 2003	350	375	25	492	0	492	3600.36	19087	11774	0
Jan 2004	316	324	19	788	0	788	3595.63	19051	11327	0
Feb 2004	328	320	17	712	0	712	3591.52	19021	10948	0
Mar 2004	517	423	21	788	0	788	3587.56	18992	10590	0
Apr 2004	768	584	24	600	0	600	3587.18	18989	10554	0
May 2004	1796	1400	33	600	0	600	3594.99	19046	11264	0
Jun 2004	2402	1871	39	800	0	800	3605.00	19123	12220	0
Jul 2004	1214	1074	46	900	0	900	3606.27	19133	12339	0
Aug 2004	478	554	47	900	0	900	3602.59	19104	11975	0
Sep 2004	371	456	40	682	0	682	3600.03	19084	11729	0
WY 2004	9290	8194	377	8230	0	8230				0
Oct 2004	502	535	36	600	0	600	3599.06	19077	11637	0
Nov 2004	496	507	30	600	0	600	3597.86	19068	11523	0
Dec 2004	396	453	24	800	0	800	3594.18	19040	11179	0
Jan 2005	365	457	18	800	0	800	3590.53	19013	10845	0
Feb 2005	379	446	17	600	0	600	3588.78	19001	10686	0
Mar 2005	597	561	21	600	0	600	3588.15	18996	10630	0
Apr 2005	887	732	24	600	0	600	3589.27	19004	10731	0
May 2005	2074	1717	33	600	0	600	3600.08	19085	11735	0
Jun 2005	2773	2294	41	650	0	650	3615.02	19203	13219	0
Jul 2005	1402	1269	49	850	0	850	3618.32	19231	13562	0
Aug 2005	552	653	50	900	0	900	3615.68	19209	13287	0
Sep 2005	428	552	43	630	0	630	3614.59	19200	13175	0
WY 2005	10851	10176	386	8230	0	8230				0

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	496	50	59	525	8.5	28	514	1107	1154.89	17032
H Nov 2002	476	34	58	625	10.5	21	620	1095	1153.30	16850
I Dec 2002	602	51	50	731	11.9	13	729	1087	1152.13	16718
S Jan 2003	784	66	41	651	10.6	13	646	1095	1153.33	16854
T Feb 2003	714	77	38	608	10.9	11	580	1104	1154.42	16978
O Mar 2003	786	72	42	957	15.6	16	949	1094	1153.09	16826
R Apr 2003	601	34	52	1138	19.1	21	1126	1059	1148.27	16287
I May 2003	652	29	58	1017	16.5	24	1013	1033	1144.68	15893
C Jun 2003	842	5	69	918	15.4	31	917	1023	1143.19	15733
A Jul 2003	900	39	86	964	15.7	33	964	1014	1141.93	15598
L Aug 2003	902	118	91	744	12.1	31	743	1023	1143.27	15741
* Sep 2003	473	80	75	584	9.8	25	584	1015	1142.12	15618
WY 2003	8228	655	719	9462		267	9386			
Oct 2003	492	62	55	530	8.6	28	530	1012	1141.61	15563
Nov 2003	476	60	54	692	11.6	20	692	998	1139.56	15347
Dec 2003	492	77	46	584	9.5	19	584	993	1138.85	15271
Jan 2004	788	73	38	721	11.7	13	721	998	1139.64	15355
Feb 2004	712	98	35	604	10.5	13	604	1008	1141.05	15503
Mar 2004	788	84	39	1025	16.7	19	1025	995	1139.17	15305
Apr 2004	600	58	48	1125	18.9	24	1125	962	1134.33	14799
May 2004	600	78	55	966	15.7	30	966	939	1130.93	14448
Jun 2004	800	39	65	889	14.9	30	889	930	1129.59	14312
Jul 2004	900	68	81	895	14.5	30	894	928	1129.24	14277
Aug 2004	900	83	86	732	11.9	30	732	936	1130.47	14402
Sep 2004	682	71	71	597	10.0	29	597	939	1130.98	14454
WY 2004	8230	851	673	9360		285	9360			
Oct 2004	600	62	52	490	8.0	28	490	945	1131.82	14540
Nov 2004	600	60	52	675	11.3	20	675	940	1131.03	14459
Dec 2004	800	77	45	667	10.8	15	667	949	1132.41	14600
Jan 2005	800	73	37	721	11.7	13	721	955	1133.34	14696
Feb 2005	600	98	34	604	10.9	13	604	958	1133.76	14740
Mar 2005	600	84	38	1025	16.7	19	1025	934	1130.12	14367
Apr 2005	600	58	46	1125	18.9	24	1125	901	1125.11	13862
May 2005	600	78	52	966	15.7	30	966	878	1121.59	13514
Jun 2005	650	39	62	890	15.0	30	890	860	1118.75	13238
Jul 2005	850	68	77	895	14.5	30	894	855	1117.93	13160
Aug 2005	900	83	82	732	11.9	30	732	864	1119.27	13289
Sep 2005	630	71	68	597	10.0	29	597	864	1119.33	13295
WY 2005	8230	851	645	9387		281	9386			

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 10/2003 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
* Oct 2002	525	-4	610	0	610	9.9	635.03	1486
H Nov 2002	625	-11	584	0	584	9.8	636.18	1516
I Dec 2002	731	-23	544	0	544	8.9	642.27	1679
S Jan 2003	651	-17	608	0	608	9.9	643.24	1705
T Feb 2003	608	-13	572	0	572	10.3	644.08	1728
O Mar 2003	957	-19	980	0	980	15.9	642.53	1686
R Apr 2003	1138	-30	1108	0	1108	18.6	642.53	1686
I May 2003	1017	-33	955	0	955	15.5	643.60	1715
C Jun 2003	918	-32	905	0	905	15.2	642.89	1696
A Jul 2003	964	-31	886	0	886	14.4	644.60	1743
L Aug 2003	744	-23	723	0	723	11.8	644.48	1739
* Sep 2003	584	-20	660	0	659	11.1	640.95	1643
WY 2003	9462	-256	9135	0	9134			
Oct 2003	530	-30	688	0	688	11.2	633.83	1456
Nov 2003	692	-28	584	0	584	9.8	636.92	1536
Dec 2003	584	-28	509	0	509	8.3	638.71	1583
Jan 2004	721	-32	606	0	606	9.9	641.80	1666
Feb 2004	604	-26	545	0	545	9.5	643.01	1699
Mar 2004	1025	-29	996	0	996	16.2	643.01	1699
Apr 2004	1125	-36	1089	0	1089	18.3	643.01	1699
May 2004	966	-33	933	0	933	15.2	643.01	1699
Jun 2004	889	-28	889	0	889	14.9	642.00	1671
Jul 2004	895	-29	879	0	879	14.3	641.50	1658
Aug 2004	732	-35	697	0	697	11.3	641.50	1658
Sep 2004	597	-31	660	0	660	11.1	638.00	1564
WY 2004	9360	-365	9075	0	9075			
Oct 2004	490	-30	653	0	653	10.6	630.49	1371
Nov 2004	675	-28	558	0	558	9.4	634.00	1460
Dec 2004	667	-28	516	0	516	8.4	638.71	1583
Jan 2005	721	-32	606	0	606	9.9	641.80	1666
Feb 2005	604	-26	545	0	545	9.8	643.01	1699
Mar 2005	1025	-29	996	0	996	16.2	643.01	1699
Apr 2005	1125	-36	1089	0	1089	18.3	643.01	1699
May 2005	966	-33	933	0	933	15.2	643.01	1699
Jun 2005	890	-28	890	0	890	14.9	642.00	1671
Jul 2005	895	-29	879	0	879	14.3	641.50	1658
Aug 2005	732	-35	697	0	697	11.3	641.50	1658
Sep 2005	597	-31	660	0	660	11.1	638.00	1564
WY 2005	9387	-365	9022	0	9022			

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	610	8	500	8.1	59	40	448.20	584	79	1.3
H Nov 2002	584	0	392	6.6	109	108	446.88	559	104	1.7
I Dec 2002	544	4	322	5.2	110	128	446.21	547	122	2.0
S Jan 2003	608	-2	378	6.1	58	179	445.69	537	134	2.2
T Feb 2003	572	13	376	6.8	6	167	447.62	573	181	3.3
O Mar 2003	980	-13	728	11.8	82	188	445.89	541	207	3.4
R Apr 2003	1108	1	800	13.4	82	176	448.60	592	205	3.4
I May 2003	955	49	709	11.5	53	184	448.83	596	112	1.8
C Jun 2003	905	-15	715	12.0	35	144	448.57	591	112	1.9
A Jul 2003	886	-13	742	12.1	51	76	448.81	596	122	2.0
L Aug 2003	723	-4	607	9.9	63	48	448.81	596	100	1.6
* Sep 2003	659	-9	572	9.6	57	54	447.05	562	90	1.5
WY 2003	9134	19	6841		765	1492			1568	
Oct 2003	688	11	533	8.7	54	126	446.30	548	76	1.2
Nov 2003	584	17	375	6.3	50	185	445.79	539	99	1.7
Dec 2003	509	0	321	5.2	19	168	445.80	539	119	1.9
Jan 2004	606	-6	378	6.1	37	186	445.80	539	130	2.1
Feb 2004	545	10	376	6.5	10	169	445.80	539	155	2.7
Mar 2004	996	12	728	11.8	77	187	446.70	555	200	3.3
Apr 2004	1089	0	800	13.4	80	171	448.71	594	193	3.2
May 2004	933	-2	710	11.5	18	185	449.60	611	106	1.7
Jun 2004	889	-7	715	12.0	38	129	449.60	611	107	1.8
Jul 2004	879	-9	742	12.1	84	75	448.00	580	119	1.9
Aug 2004	697	1	607	9.9	21	80	447.50	570	100	1.6
Sep 2004	660	8	572	9.6	29	80	446.81	557	90	1.5
WY 2004	9075	35	6857		517	1741			1494	
Oct 2004	653	11	533	8.7	68	72	446.31	548	78	1.3
Nov 2004	558	17	375	6.3	65	141	445.99	543	99	1.7
Dec 2004	516	0	321	5.2	68	130	445.80	539	122	2.0
Jan 2005	606	-6	378	6.1	37	186	445.80	539	130	2.1
Feb 2005	545	10	376	6.8	10	169	445.80	539	155	2.8
Mar 2005	996	12	728	11.8	77	187	446.70	555	200	3.3
Apr 2005	1089	0	800	13.4	80	171	448.71	594	193	3.2
May 2005	933	-2	710	11.5	18	185	449.60	611	106	1.7
Jun 2005	890	-7	716	12.0	38	129	449.60	611	107	1.8
Jul 2005	879	-9	742	12.1	84	75	448.00	580	119	1.9
Aug 2005	697	1	607	9.9	21	80	447.50	570	100	1.6
Sep 2005	660	8	572	9.6	29	80	446.81	557	90	1.5
WY 2005	9022	35	6858		595	1605			1499	

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	525	8.5	1154.89	17032	-61	0.00	1545.0	225.0	81	428.7
H Nov 2002	625	10.5	1153.30	16850	-182	0.00	1317.0	275.8	69	441.1
I Dec 2002	731	11.9	1152.13	16718	-133	0.00	1317.0	324.3	69	443.9
S Jan 2003	651	10.6	1153.33	16854	136	0.00	1183.0	285.8	62	438.7
T Feb 2003	608	10.9	1154.42	16978	125	0.00	1317.0	265.2	69	436.1
O Mar 2003	957	15.6	1153.09	16826	-152	0.00	1526.0	425.3	80	444.4
R Apr 2003	1138	19.1	1148.27	16287	-539	0.00	1431.0	504.4	75	443.3
I May 2003	1017	16.5	1144.68	15893	-393	0.00	1509.0	443.4	82	435.8
C Jun 2003	918	15.4	1143.19	15733	-161	0.00	1840.0	394.8	100	429.9
A Jul 2003	964	15.7	1141.93	15598	-135	0.00	1840.0	413.6	100	428.8
L Aug 2003	744	12.1	1143.27	15741	144	0.00	1840.0	313.4	100	421.2
* Sep 2003	584	9.8	1142.12	15618	-124	0.00	1840.0	242.1	100	414.5
WY 2003	9463							4112.9		
Oct 2003	530	8.6	1141.61	15563	-55	493.40	1490.4	222.9	81	420.5
Nov 2003	692	11.6	1139.56	15347	-216	495.39	1232.8	304.5	67	439.9
Dec 2003	584	9.5	1138.85	15271	-75	492.97	1140.8	252.4	62	432.3
Jan 2004	721	11.7	1139.64	15355	84	491.41	1140.8	317.1	62	439.6
Feb 2004	604	10.5	1141.05	15503	148	490.43	1251.2	262.9	68	435.4
Mar 2004	1025	16.7	1139.17	15305	-198	489.69	1269.6	455.1	69	443.9
Apr 2004	1125	18.9	1134.33	14799	-506	486.33	1269.6	506.4	69	450.1
May 2004	966	15.7	1130.93	14448	-350	478.78	1840.0	413.9	100	428.5
Jun 2004	889	14.9	1129.59	14312	-136	476.75	1840.0	376.8	100	423.9
Jul 2004	895	14.5	1129.24	14277	-35	476.41	1840.0	377.4	100	421.9
Aug 2004	732	11.9	1130.47	14402	125	477.01	1840.0	308.2	100	420.8
Sep 2004	597	10.0	1130.98	14454	52	479.02	1840.0	250.0	100	418.7
WY 2004	9360							4047.6		
Oct 2004	490	8.0	1131.82	14540	86	482.49	1729.6	206.1	94	421.0
Nov 2004	675	11.3	1131.03	14459	-81	487.09	1380.0	289.9	75	429.7
Dec 2004	667	10.8	1132.41	14600	141	485.68	1269.6	285.0	69	427.4
Jan 2005	721	11.7	1133.34	14696	96	484.28	1269.6	311.5	69	431.8
Feb 2005	604	10.9	1133.76	14740	44	483.54	1269.6	257.3	69	426.1
Mar 2005	1025	16.7	1130.12	14367	-374	481.54	1269.6	448.5	69	437.6
Apr 2005	1125	18.9	1125.11	13862	-504	477.23	1269.6	498.0	69	442.6
May 2005	966	15.7	1121.59	13514	-348	471.65	1490.4	412.9	81	427.5
Jun 2005	890	15.0	1118.75	13238	-276	466.72	1840.0	370.4	100	416.3
Jul 2005	895	14.5	1117.93	13160	-79	465.39	1840.0	369.9	100	413.5
Aug 2005	732	11.9	1119.27	13289	129	465.81	1840.0	302.2	100	412.6
Sep 2005	597	10.0	1119.33	13295	6	467.65	1840.0	245.3	100	410.7
WY 2005	9386							3997.1		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	610	9.9	635.03	1486	-90	0.00	192.0	73.3	80	120.1
H Nov 2002	584	9.8	636.18	1516	30	0.00	185.0	69.7	77	119.5
I Dec 2002	544	8.9	642.27	1679	162	0.00	163.0	67.4	68	123.9
S Jan 2003	608	9.9	643.24	1705	26	0.00	154.0	76.7	64	126.2
T Feb 2003	572	10.3	644.08	1728	23	0.00	178.0	73.2	74	128.0
O Mar 2003	980	15.9	642.53	1686	-42	0.00	197.0	124.6	82	127.1
R Apr 2003	1108	18.6	642.53	1686	0	0.00	240.0	138.5	100	125.0
I May 2003	955	15.5	643.60	1715	29	0.00	255.0	120.9	100	126.5
C Jun 2003	905	15.2	642.89	1696	-19	0.00	255.0	113.6	100	125.6
A Jul 2003	886	14.4	644.60	1743	47	0.00	255.0	111.6	100	125.9
L Aug 2003	723	11.8	644.48	1739	-3	0.00	255.0	91.6	100	126.7
* Sep 2003	660	11.1	640.95	1643	-96	0.00	204.0	82.2	80	124.6
WY 2003	9134							1143.3		
Oct 2003	688	11.2	633.83	1456	-187	131.62	204.0	83.5	80	121.5
Nov 2003	584	9.8	636.92	1536	80	129.75	196.3	70.2	77	120.2
Dec 2003	509	8.3	638.71	1583	47	133.07	173.4	62.6	68	123.0
Jan 2004	606	9.9	641.80	1666	83	135.97	163.2	75.5	64	124.6
Feb 2004	545	9.5	643.01	1699	33	137.30	188.7	69.0	74	126.6
Mar 2004	996	16.2	643.01	1699	0	137.29	209.1	124.4	82	124.9
Apr 2004	1089	18.3	643.01	1699	0	136.05	255.0	135.4	100	124.3
May 2004	933	15.2	643.01	1699	0	136.05	255.0	116.8	100	125.2
Jun 2004	889	14.9	642.00	1671	-28	135.52	255.0	110.9	100	124.9
Jul 2004	879	14.3	641.50	1658	-14	134.73	255.0	109.3	100	124.4
Aug 2004	697	11.3	641.50	1658	0	134.46	255.0	87.3	100	125.1
Sep 2004	660	11.1	638.00	1564	-94	132.63	255.0	81.6	100	123.7
WY 2004	9074							1126.6		
Oct 2004	653	10.6	630.49	1371	-193	128.32	204.0	77.6	80	118.9
Nov 2004	558	9.4	634.00	1460	89	126.46	196.3	65.5	77	117.5
Dec 2004	516	8.4	638.71	1583	123	131.54	173.4	62.7	68	121.6
Jan 2005	606	9.9	641.80	1666	83	135.97	163.2	75.5	64	124.6
Feb 2005	545	9.8	643.01	1699	33	137.30	188.7	68.9	74	126.5
Mar 2005	996	16.2	643.01	1699	0	137.29	209.1	124.4	82	124.9
Apr 2005	1089	18.3	643.01	1699	0	136.05	255.0	135.4	100	124.3
May 2005	933	15.2	643.01	1699	0	136.05	255.0	116.8	100	125.2
Jun 2005	890	14.9	642.00	1671	-28	135.52	255.0	111.1	100	124.8
Jul 2005	879	14.3	641.50	1658	-14	134.73	255.0	109.3	100	124.4
Aug 2005	697	11.3	641.50	1658	0	134.46	255.0	87.3	100	125.1
Sep 2005	660	11.1	638.00	1564	-94	132.63	255.0	81.6	100	123.7
WY 2005	9022							1116.2		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 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
* Oct 2002	500	8.1	448.20	584	19	0.00	92.0	34.5	77	69.0
H Nov 2002	392	6.6	446.88	559	-25	0.00	94.0	26.9	78	68.7
I Dec 2002	322	5.2	446.21	547	-12	0.00	103.0	21.4	86	66.5
S Jan 2003	378	6.1	445.69	537	-10	0.00	120.0	25.5	100	67.5
T Feb 2003	376	6.8	447.62	573	36	0.00	120.0	25.2	100	67.1
O Mar 2003	728	11.8	445.89	541	-32	0.00	120.0	48.5	100	66.6
R Apr 2003	800	13.4	448.60	592	50	0.00	120.0	53.8	100	67.2
I May 2003	709	11.5	448.83	596	5	0.00	120.0	48.4	100	68.3
C Jun 2003	715	12.0	448.57	591	-5	0.00	120.0	48.8	100	68.3
A Jul 2003	742	12.1	448.81	596	5	0.00	120.0	50.7	100	68.3
L Aug 2003	607	9.9	448.81	596	-0	0.00	120.0	41.6	100	68.5
* Sep 2003	572	9.6	447.05	562	-33	0.00	113.0	39.9	94	69.8
WY 2003	6841							465.3		
Oct 2003	533	8.7	446.30	548	-14	75.37	92.4	35.0	77	65.6
Nov 2003	375	6.3	445.79	539	-9	74.69	93.6	24.1	78	64.2
Dec 2003	321	5.2	445.80	539	0	73.97	103.2	20.2	86	63.0
Jan 2004	378	6.1	445.80	539	0	73.24	120.0	23.8	100	62.9
Feb 2004	376	6.5	445.80	539	0	73.24	120.0	23.7	100	63.1
Mar 2004	728	11.8	446.70	555	16	73.67	120.0	47.1	100	64.7
Apr 2004	800	13.4	448.71	594	38	75.09	120.0	52.8	100	66.0
May 2004	710	11.5	449.60	611	18	76.49	120.0	47.5	100	66.8
Jun 2004	715	12.0	449.60	611	0	76.93	120.0	48.1	100	67.2
Jul 2004	742	12.1	448.00	580	-31	76.15	120.0	49.5	100	66.7
Aug 2004	607	9.9	447.50	570	-10	75.13	120.0	39.7	100	65.5
Sep 2004	572	9.6	446.81	557	-13	74.55	120.0	37.2	100	65.0
WY 2004	6857							448.6		
Oct 2004	533	8.7	446.31	548	-9	75.37	90.0	35.0	75	65.7
Nov 2004	375	6.3	445.99	543	-6	74.98	90.0	24.2	75	64.4
Dec 2004	321	5.2	445.80	539	-4	74.73	90.0	20.4	75	63.5
Jan 2005	378	6.1	445.80	539	0	74.64	90.0	24.2	75	64.1
Feb 2005	376	6.8	445.80	539	0	74.64	90.0	24.2	75	64.4
Mar 2005	728	11.8	446.70	555	16	75.08	90.0	48.1	75	66.1
Apr 2005	800	13.4	448.71	594	38	75.09	120.0	52.8	100	66.0
May 2005	710	11.5	449.60	611	18	76.49	120.0	47.5	100	66.8
Jun 2005	716	12.0	449.60	611	0	76.93	120.0	48.1	100	67.2
Jul 2005	742	12.1	448.00	580	-31	76.15	120.0	49.5	100	66.7
Aug 2005	607	9.9	447.50	570	-10	75.13	120.0	39.7	100	65.5
Sep 2005	572	9.6	446.81	557	-13	74.86	112.8	37.3	94	65.3
WY 2005	6858							451.1		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 10/2003 Most Prob Water Supply

Wed Oct 8 11:19:11 2003

Upper Basin Power

	Glen Canyon	Flam Gorge	Blue Mesa	Morrow Point	Crystal Res	Font Res
	1000	1000	1000	1000	1000	1000
	MWHR	MWHR	MWHR	MWHR	MWHR	MWHR
* Oct 2002	218	17	8	10	3	3
H Nov 2002	209	16	3	4	0	2
I Dec 2002	276	16	3	4	0	3
S Jan 2003	345	16	3	4	0	3
T Feb 2003	326	19	4	5	0	2
O Mar 2003	334	17	2	5	1	4
Winter 2003	1708	101	22	33	4	16
R Apr 2003	254	16	12	18	11	6
I May 2003	275	48	11	20	18	5
C Jun 2003	0	0	0	0	0	0
A Jul 2003	386	17	29	39	20	3
L Aug 2003	382	17	26	36	23	3
* Sep 2003	201	32	17	23	22	5
Summer 2003	1498	130	95	135	94	22
Oct 2003	196	17	12	16	10	4
Nov 2003	189	17	4	6	4	4
Dec 2003	195	17	4	6	4	4
Jan 2004	310	17	4	6	4	4
Feb 2004	277	16	4	6	4	3
Mar 2004	305	17	5	7	5	4
Winter 2004	1470	102	33	48	30	22
Apr 2004	231	17	8	13	10	6
May 2004	232	45	7	17	16	7
Jun 2004	315	52	9	17	18	8
Jul 2004	359	22	27	33	21	10
Aug 2004	358	22	32	38	22	9
Sep 2004	269	22	29	34	19	6
Summer 2004	1763	180	111	152	106	46
Oct 2004	236	22	21	26	15	6
Nov 2004	235	22	12	15	9	6
Dec 2004	312	22	17	21	12	6
Jan 2005	310	22	25	31	17	5
Feb 2005	231	20	22	28	16	4
Mar 2005	230	22	21	28	16	4
Winter 2005	1554	130	117	150	85	31
Apr 2005	230	22	22	33	20	5
May 2005	233	73	12	25	22	6
Jun 2005	260	80	8	17	20	8
Jul 2005	346	43	27	34	22	10
Aug 2005	368	43	32	37	22	7
Sep 2005	256	42	27	32	19	7
Summer 2005	1694	303	129	178	124	44

model_run_id = 1289

F L O O D C O N T R O L C R I T E R I A
B E G I N N I N G O F M O N T H C O N D I T I O N S

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 * * * *																			
OCT	2003	1201	443	962	12210	14816	11762	26578	1201	443	962	2606	12210	11762	26578	3040	530	0	33.7
NOV	2003	1225	459	980	12328	14992	11817	26810	1225	459	980	2664	12328	11817	26810	3810	692	0	33.5
DEC	2003	1249	449	986	12415	15100	12033	27133	1249	449	986	2685	12415	12033	27133	4580	584	0	33.3
JAN	2004	1280	446	991	12546	15263	12109	27372	1280	446	991	2717	12546	12109	27372	5350	721	0	33.0
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2004	1280	446	991	12546	15263	12109	27372	563	411	471	1446	12546	12109	26101	5350	721	0	33.0
FEB	2004	1296	443	992	12993	15724	12025	27750	577	408	472	1457	12993	12025	26476	1500	583	0	32.8
MAR	2004	1304	440	986	13372	16102	11877	27979	582	405	466	1453	13372	11877	26702	1500	1025	0	32.3
APR	2004	1275	430	943	13730	16378	12075	28453	547	394	418	1359	13730	12075	27165	1500	1125	0	32.0
MAY	2004	1211	401	868	13766	16246	12581	28828	473	364	321	1159	13766	12581	27506	1500	966	0	32.7
JUN	2004	1111	262	742	13056	15171	12932	28103	362	218	162	742	13056	12932	26729	1500	889	0	34.0
JUL	2004	906	82	657	12100	13745	13068	26813	141	18	31	191	12100	13068	25359	1500	895	0	34.2
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2004	783	64	671	11981	13499	13103	26603	783	64	671	1518	11981	13103	26603	1500	732	0	33.9
SEP	2004	773	107	706	12345	13931	12978	26909	773	107	706	1586	12345	12978	26909	2270	597	0	33.5
OCT	2004	792	165	712	12591	14259	12926	27186	792	165	712	1669	12591	12926	27186	3040	490	0	33.2
NOV	2004	801	200	716	12683	14400	12840	27240	801	200	716	1716	12683	12840	27240	3810	675	0	33.1
DEC	2004	814	214	710	12797	14534	12921	27455	814	214	710	1738	12797	12921	27455	4580	667	0	32.9
JAN	2005	842	248	711	13141	14941	12780	27720	842	248	711	1800	13141	12780	27720	5350	721	0	32.7
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2005	842	248	711	13141	14941	12780	27720	478	248	371	1097	13141	12780	27017	5350	721	0	32.7
FEB	2005	864	311	721	13475	15372	12684	28056	498	311	382	1190	13475	12684	27349	1500	604	0	32.5
MAR	2005	879	367	722	13634	15602	12640	28242	509	366	382	1257	13634	12640	27531	1500	1025	0	32.1
APR	2005	849	409	683	13690	15630	13013	28643	473	409	337	1219	13690	13013	27922	1500	1125	0	31.9
MAY	2005	778	419	598	13589	15384	13518	28901	392	419	229	1040	13589	13518	28147	1500	966	0	32.9
JUN	2005	716	275	487	12585	14064	13866	27930	319	270	88	677	12585	13866	27129	1500	890	0	34.5
JUL	2005	529	61	479	11101	12171	14142	26313	116	34	38	188	11101	14142	25431	1500	895	0	34.9
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2005	431	27	488	10758	11704	14220	25925	431	27	488	946	10758	14220	25925	1500	732	0	34.6
SEP	2005	463	60	504	11033	12059	14091	26150	463	60	504	1026	11033	14091	26150	2270	597	0	34.3