

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
River Operations Group
Attention: BCO04600
P.O. Box 61470
Boulder City, NV 89006-1470
Phone: 702-293-8190

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 0.592 MAF for the Metropolitan Water District, 1.635 MAF for the Central Arizona Project, and 0.280 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 August was .137 MAF or 22% of the 30 year average. The forecast for the month of September unregulated inflow into Lake Powell is .225 MAF or 47% of the 30 year average. The projected April through July unregulated inflow for water year 2003 is 3.918 MAF or 49% of average. Projected water year 2003 unregulated inflow into Lake Powell is 6.179 MAF or 51% 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 9/2003 Most Prob Water Supply
Fontenelle Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	29	2	41	0	41	6492.76	247
WY 2002	530	12	423	10	433		
H Oct 2002	32	1	40	0	40	6491.36	237
I Nov 2002	31	1	25	14	39	6490.06	228
S Dec 2002	26	1	40	0	40	6487.79	213
T Jan 2003	25	1	40	0	40	6485.33	198
O Feb 2003	24	1	36	0	36	6483.23	185
R Mar 2003	59	1	58	0	58	6483.32	186
I Apr 2003	56	1	83	4	87	6477.50	154
C May 2003	76	1	74	13	87	6475.15	142
A Jun 2003	189	2	63	0	63	6495.52	266
L Jul 2003	69	2	46	0	46	6498.43	287
* Aug 2003	35	2	47	0	47	6496.53	273
Sep 2003	30	2	26	18	44	6494.33	258
WY 2003	652	16	578	49	627		
Oct 2003	30	1	46	0	46	6491.86	241
Nov 2003	25	1	44	0	44	6488.84	221
Dec 2003	26	1	46	0	46	6485.69	200
Jan 2004	24	1	46	0	46	6481.92	178
Feb 2004	23	1	42	0	42	6478.33	158
Mar 2004	41	0	64	0	64	6473.49	135
Apr 2004	73	1	93	0	93	6468.76	114
May 2004	153	1	98	0	98	6480.18	168
Jun 2004	278	2	102	43	145	6499.96	299
Jul 2004	166	3	101	19	120	6505.53	342
Aug 2004	72	2	100	0	100	6501.66	312
Sep 2004	41	2	67	0	67	6497.97	284
WY 2004	952	16	849	62	911		
Oct 2004	47	1	69	0	69	6494.75	261
Nov 2004	39	1	67	0	67	6490.61	232
Dec 2004	30	1	69	0	69	6484.42	192
Jan 2005	28	1	69	0	69	6476.88	151
Feb 2005	26	0	62	0	62	6468.85	114
Mar 2005	47	0	75	0	75	6461.40	86
Apr 2005	84	0	0	90	90	6459.50	79
May 2005	176	1	0	160	160	6463.81	95
Jun 2005	320	2	95	115	210	6486.11	203
Jul 2005	192	2	105	55	160	6490.70	233
Aug 2005	83	2	74	0	74	6491.73	240

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Flaming Gorge Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	28	42	9	51	0	51	70	6011.03	2675	0	54
WY 2002	530	434	69	657	0	657					1220
H Oct 2002	30	38	6	50	0	50	69	6010.50	2657	0	67
I Nov 2002	32	40	3	48	0	48	69	6010.17	2647	0	71
S Dec 2002	22	36	2	50	0	50	68	6009.71	2632	0	72
T Jan 2003	30	45	1	49	0	49	68	6009.50	2625	0	80
O Feb 2003	32	43	2	57	0	57	67	6009.04	2610	0	79
R Mar 2003	78	77	3	52	0	52	68	6009.69	2631	0	131
I Apr 2003	66	96	4	49	0	49	70	6010.98	2673	0	219
C May 2003	99	119	7	140	0	140	69	6010.17	2647	0	590
A Jun 2003	244	111	9	63	0	63	70	6011.30	2684	0	506
L Jul 2003	72	48	11	50	0	50	70	6010.90	2670	0	102
* Aug 2003	33	44	11	52	0	52	69	6010.36	2653	0	65
Sep 2003	30	44	8	47	0	47	69	6010.03	2643	0	47
WY 2003	768	741	67	707	0	707					2029
Oct 2003	30	46	4	49	0	49	68	6009.81	2636	0	49
Nov 2003	25	44	2	47	0	47	68	6009.66	2631	0	47
Dec 2003	31	51	1	49	0	49	68	6009.68	2632	0	49
Jan 2004	35	57	1	49	0	49	69	6009.87	2638	0	49
Feb 2004	39	58	2	44	0	44	69	6010.25	2650	0	44
Mar 2004	84	107	4	49	0	49	71	6011.87	2702	0	49
Apr 2004	122	142	6	48	0	48	73	6014.42	2787	0	48
May 2004	236	181	9	125	0	125	75	6015.76	2833	0	125
Jun 2004	367	234	11	146	0	146	77	6017.91	2907	0	146
Jul 2004	202	156	12	61	0	61	80	6020.20	2987	0	61
Aug 2004	84	112	10	61	0	61	81	6021.32	3027	0	61
Sep 2004	51	77	8	60	0	60	82	6021.56	3035	0	60
WY 2004	1306	1265	70	788	0	788					788
Oct 2004	59	81	5	61	0	61	82	6021.97	3050	0	61
Nov 2004	50	78	2	60	0	60	83	6022.40	3065	0	60
Dec 2004	36	75	2	61	0	61	83	6022.73	3077	0	61
Jan 2005	41	82	2	61	0	61	84	6023.24	3096	0	61
Feb 2005	45	81	2	56	0	56	84	6023.85	3118	0	56
Mar 2005	97	125	4	61	0	61	86	6025.43	3176	0	61
Apr 2005	141	147	7	60	0	60	89	6027.49	3253	0	60
May 2005	273	257	10	200	0	200	90	6028.69	3299	0	200
Jun 2005	423	313	13	220	0	220	93	6030.71	3376	0	220
Jul 2005	233	201	14	117	0	117	95	6032.44	3444	0	117
Aug 2005	97	88	11	117	0	117	94	6031.47	3406	0	117

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Taylor Park Reservoir

10-sep-2003 12:13:31

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Sep 2002	3	6	9289.63	42
WY 2002	63	88		
H Oct 2002	4	4	9289.23	42
I Nov 2002	3	3	9289.12	42
S Dec 2002	3	3	9288.42	41
T Jan 2003	3	3	9287.57	40
O Feb 2003	3	3	9287.04	40
R Mar 2003	3	4	9286.61	39
I Apr 2003	7	4	9289.66	42
C May 2003	29	8	9305.60	63
A Jun 2003	31	13	9316.66	81
L Jul 2003	9	15	9313.21	75
* Aug 2003	6	14	9308.70	68
Sep 2003	5	6	9307.97	67
WY 2003	106	80		
Oct 2003	4	3	9308.80	68
Nov 2003	4	3	9309.46	69
Dec 2003	4	3	9310.03	70
Jan 2004	3	3	9310.09	70
Feb 2004	3	3	9310.15	70
Mar 2004	3	3	9310.21	70
Apr 2004	6	6	9310.34	70
May 2004	21	14	9314.65	78
Jun 2004	36	18	9324.54	95
Jul 2004	17	18	9324.12	95
Aug 2004	8	18	9318.61	84
Sep 2004	6	14	9313.70	76
WY 2004	115	106		
Oct 2004	6	8	9312.44	74
Nov 2004	5	3	9313.40	75
Dec 2004	4	3	9314.06	77
Jan 2005	4	3	9314.59	77
Feb 2005	3	3	9314.83	78
Mar 2005	4	6	9313.58	76
Apr 2005	8	12	9310.90	71
May 2005	25	16	9316.05	80
Jun 2005	41	20	9327.37	101
Jul 2005	20	22	9326.35	99
Aug 2005	9	20	9320.71	88

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Blue Mesa Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	13	16	1	58	0	58	7443.05	275
WY 2002	326	348	6	622	45	667		
H Oct 2002	24	25	0	33	0	33	7441.41	267
I Nov 2002	23	23	0	12	0	12	7443.54	278
S Dec 2002	17	18	0	13	0	13	7444.59	283
T Jan 2003	17	18	0	11	0	11	7446.05	291
O Feb 2003	16	17	0	15	0	15	7446.30	292
R Mar 2003	27	27	0	9	0	9	7449.60	310
I Apr 2003	42	39	0	50	0	50	7447.48	299
C May 2003	174	155	1	42	0	42	7466.19	411
A Jun 2003	170	150	1	48	0	48	7480.76	512
L Jul 2003	43	49	1	101	0	101	7473.26	458
* Aug 2003	33	40	1	93	0	93	7465.29	405
Sep 2003	25	26	1	71	0	71	7458.00	359
WY 2003	611	587	5	498	0	498		
Oct 2003	25	24	0	44	0	44	7454.61	339
Nov 2003	25	24	0	13	0	13	7456.44	350
Dec 2003	20	19	0	16	0	16	7457.02	353
Jan 2004	20	20	0	17	0	17	7457.56	356
Feb 2004	18	18	0	15	0	15	7458.02	359
Mar 2004	27	27	0	17	0	17	7459.67	369
Apr 2004	59	59	1	29	0	29	7464.32	398
May 2004	170	163	1	23	0	23	7484.24	537
Jun 2004	228	210	1	29	0	29	7506.66	717
Jul 2004	105	106	2	87	0	87	7508.74	735
Aug 2004	51	61	1	95	0	95	7504.64	700
Sep 2004	29	37	1	88	0	88	7498.43	649
WY 2004	777	768	7	473	0	473		
Oct 2004	33	35	1	64	0	64	7494.85	620
Nov 2004	29	27	0	35	0	35	7493.87	612
Dec 2004	23	22	0	52	0	52	7490.02	581
Jan 2005	23	22	0	85	0	85	7481.69	518
Feb 2005	21	21	0	77	0	77	7473.87	462
Mar 2005	32	34	0	76	0	76	7467.71	421
Apr 2005	68	72	1	82	0	82	7466.23	411
May 2005	196	187	1	43	0	43	7486.48	554
Jun 2005	263	242	1	27	0	27	7512.52	768
Jul 2005	121	123	2	87	0	87	7516.38	802
Aug 2005	59	70	1	101	0	101	7512.74	770

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Morrow Point Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	15	58	2	60	0	35	17	52	7144.13	105
WY 2002	358	667	35	699	0	685	17	702		
H Oct 2002	25	33	1	34	0	29	0	29	7150.55	110
I Nov 2002	24	12	1	13	0	13	0	13	7150.23	109
S Dec 2002	18	13	1	14	0	13	0	13	7150.72	110
T Jan 2003	19	11	1	13	0	12	0	12	7151.64	110
O Feb 2003	18	15	2	17	0	15	0	15	7154.46	113
R Mar 2003	29	9	3	12	0	16	0	16	7148.63	108
I Apr 2003	48	50	7	57	0	52	0	52	7154.64	113
C May 2003	188	42	14	56	0	54	0	54	7157.73	115
A Jun 2003	180	48	10	58	0	59	0	59	7157.05	115
L Jul 2003	46	101	3	104	0	106	0	106	7154.89	113
* Aug 2003	36	93	3	95	0	97	0	97	7152.55	111
Sep 2003	27	71	2	73	0	72	0	72	7153.73	112
WY 2003	658	498	48	546	0	538	0	538		
Oct 2003	26	44	1	45	0	45	0	45	7153.73	112
Nov 2003	27	13	2	15	0	15	0	15	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	95	2	97	0	97	0	97	7153.73	112
Sep 2004	30	88	1	89	0	89	0	89	7153.73	112
WY 2004	844	473	67	538	0	540	0	540		
Oct 2004	35	64	2	65	0	66	0	66	7153.73	112
Nov 2004	31	35	2	37	0	37	0	37	7153.73	112
Dec 2004	25	52	2	54	0	54	0	54	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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Crystal Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	19	52	4	56	54	1	55	6750.62	16	34	22
WY 2002	414	702	55	757	725	29	754			376	388
H Oct 2002	28	29	3	32	20	15	35	6740.91	14	0	17
I Nov 2002	27	13	3	16	1	15	16	6740.74	14	1	0
S Dec 2002	21	13	2	16	1	14	15	6742.41	14	1	16
T Jan 2003	22	12	3	15	2	14	16	6740.21	13	1	17
O Feb 2003	21	15	3	18	0	15	15	6752.71	17	0	14
R Mar 2003	34	16	4	20	10	11	21	6750.34	16	5	16
I Apr 2003	56	52	7	59	59	0	59	6752.87	17	43	16
C May 2003	206	54	18	72	72	0	72	6752.51	17	49	24
A Jun 2003	196	59	16	75	77	1	78	6740.47	13	48	34
L Jul 2003	52	106	6	111	108	1	109	6748.44	16	63	48
* Aug 2003	42	97	6	103	102	0	102	6752.65	17	62	0
Sep 2003	33	72	6	78	80	0	80	6746.05	15	55	25
WY 2003	738	538	77	615	532	86	618			328	227
Oct 2003	33	45	7	52	52	0	52	6746.05	15	30	22
Nov 2003	33	15	6	21	21	0	21	6746.05	15	0	21
Dec 2003	26	18	4	22	22	0	22	6746.05	15	0	22
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	97	11	108	108	0	108	6746.05	15	65	43
Sep 2004	38	89	8	97	97	0	97	6746.05	15	55	42
WY 2004	1018	540	174	713	714	0	714			365	348
Oct 2004	42	66	7	72	73	0	73	6746.05	15	30	42
Nov 2004	36	37	5	42	42	0	42	6746.05	15	0	42
Dec 2004	30	54	5	59	59	0	59	6746.05	15	0	59
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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Vallecito Reservoir

10-sep-2003 12:13:31

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Sep 2002	10	5	7611.88	19
WY 2002	76	117		
H Oct 2002	8	4	7615.88	24
I Nov 2002	6	1	7619.82	29
S Dec 2002	4	0	7622.37	32
T Jan 2003	3	0	7624.24	35
O Feb 2003	3	0	7625.98	38
R Mar 2003	5	0	7628.62	42
I Apr 2003	14	0	7635.63	55
C May 2003	53	29	7646.68	79
A Jun 2003	30	40	7641.61	68
L Jul 2003	9	36	7627.82	41
* Aug 2003	11	26	7616.93	25
Sep 2003	10	19	7608.38	16
WY 2003	156	155		
Oct 2003	8	4	7612.33	20
Nov 2003	5	1	7616.19	24
Dec 2003	5	1	7619.44	29
Jan 2004	4	1	7621.85	32
Feb 2004	4	1	7624.09	35
Mar 2004	6	4	7625.50	37
Apr 2004	16	13	7627.82	41
May 2004	52	43	7633.03	50
Jun 2004	64	42	7643.90	73
Jul 2004	27	43	7636.52	57
Aug 2004	16	43	7620.42	30
Sep 2004	13	30	7604.12	12
WY 2004	220	226		
Oct 2004	13	4	7613.16	21
Nov 2004	8	4	7616.68	25
Dec 2004	5	5	7617.09	26
Jan 2005	5	4	7617.49	26
Feb 2005	5	4	7617.90	27
Mar 2005	7	4	7620.34	30
Apr 2005	19	12	7625.06	37
May 2005	60	43	7634.86	54
Jun 2005	74	42	7649.42	86
Jul 2005	32	43	7644.47	74
Aug 2005	17	43	7631.90	48

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Navajo Reservoir

10-sep-2003 12:13:31

	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
* Sep 2002	11	0	7	2	16	34	6015.62	872	53
WY 2002	118	5	156	23	186	484			495
H Oct 2002	23	0	18	1	11	31	6012.91	847	49
I Nov 2002	20	0	15	1	1	21	6012.07	840	0
S Dec 2002	13	0	9	0	0	22	6010.55	827	42
T Jan 2003	13	0	10	0	0	22	6009.14	815	39
O Feb 2003	15	0	12	0	0	20	6008.15	806	35
R Mar 2003	39	1	34	1	4	22	6008.99	813	44
I Apr 2003	71	11	48	2	16	21	6010.10	823	41
C May 2003	163	26	115	2	26	25	6016.96	884	97
A Jun 2003	81	19	68	3	36	29	6017.05	885	87
L Jul 2003	-10	1	17	3	41	58	6007.43	800	53
* Aug 2003	2	1	19	2	33	43	6000.18	740	49
Sep 2003	19	5	24	2	19	27	5997.21	717	27
WY 2003	449	64	389	17	187	341			563
Oct 2003	20	1	15	1	12	26	5994.05	692	26
Nov 2003	20	0	15	0	1	21	5993.18	686	21
Dec 2003	20	0	15	0	0	22	5992.33	679	22
Jan 2004	18	0	15	0	0	15	5992.18	678	15
Feb 2004	24	0	21	0	0	14	5993.02	684	14
Mar 2004	69	1	66	1	5	15	5998.91	730	15
Apr 2004	133	14	114	1	24	18	6007.66	802	18
May 2004	215	31	174	2	31	15	6021.76	928	15
Jun 2004	201	32	146	3	43	15	6030.51	1014	15
Jul 2004	66	9	72	3	48	34	6029.20	1001	34
Aug 2004	35	3	60	2	43	41	6026.54	974	41
Sep 2004	31	1	48	2	19	23	6026.94	978	23
WY 2004	852	92	761	15	226	259			259
Oct 2004	40	1	30	1	12	22	6026.52	974	22
Nov 2004	32	0	28	1	1	21	6027.08	980	21
Dec 2004	23	0	22	0	0	22	6027.12	980	22
Jan 2005	21	0	20	0	0	31	6026.01	969	31
Feb 2005	28	0	28	0	0	28	6025.91	968	28
Mar 2005	80	1	76	1	4	31	6029.94	1008	31
Apr 2005	153	14	132	2	21	30	6037.55	1087	30
May 2005	248	31	200	3	28	59	6047.60	1198	59
Jun 2005	231	32	167	3	39	120	6048.03	1203	120
Jul 2005	76	9	78	4	44	40	6047.25	1194	40
Aug 2005	41	3	64	3	43	34	6045.90	1178	34

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Lake Powell

10-sep-2003 12:13:31

	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
* Sep 2002	273	392	55	483	0	483	3626.53	19079	14468	492
WY 2002	3058	4065	462	8230	0	8230				8307
H Oct 2002	309	372	32	496	0	496	3624.72	19121	14270	503
I Nov 2002	377	384	27	476	0	476	3623.25	19160	14111	480
S Dec 2002	252	279	24	602	0	602	3620.10	19151	13774	610
T Jan 2003	236	264	16	784	0	784	3615.28	19120	13269	798
O Feb 2003	262	281	17	714	0	714	3611.02	19106	12833	727
R Mar 2003	413	376	15	786	0	786	3607.13	19071	12444	794
I Apr 2003	409	387	22	601	0	601	3605.10	19035	12243	605
C May 2003	1156	1054	29	652	0	652	3610.26	18895	12756	662
A Jun 2003	2003	1644	44	842	0	842	3616.20	19045	13365	872
L Jul 2003	350	447	45	900	0	900	3610.63	19117	12794	925
* Aug 2003	137	292	50	902	0	902	3604.21	19096	12156	924
Sep 2003	225	320	40	474	0	474	3602.36	19081	11977	0
WY 2003	6129	6100	361	8229	0	8229				7900
Oct 2003	350	407	36	492	0	492	3601.20	19072	11865	0
Nov 2003	400	412	30	476	0	476	3600.29	19065	11777	0
Dec 2003	342	357	25	492	0	492	3598.74	19054	11630	0
Jan 2004	316	324	19	788	0	788	3593.96	19018	11183	0
Feb 2004	328	320	17	712	0	712	3589.82	18988	10804	0
Mar 2004	517	423	21	788	0	788	3585.83	18959	10447	0
Apr 2004	768	587	23	600	0	600	3585.45	18956	10413	0
May 2004	1796	1400	32	600	0	600	3593.33	19013	11124	0
Jun 2004	2402	1871	39	800	0	800	3603.43	19090	12080	0
Jul 2004	1214	1080	45	900	0	900	3604.71	19100	12205	0
Aug 2004	478	551	46	900	0	900	3600.93	19070	11839	0
Sep 2004	371	451	40	682	0	682	3598.29	19050	11588	0
WY 2004	9282	8183	373	8230	0	8230				0
Oct 2004	502	529	35	600	0	600	3597.25	19042	11489	0
Nov 2004	496	502	29	600	0	600	3595.99	19033	11371	0
Dec 2004	396	449	24	800	0	800	3592.23	19005	11024	0
Jan 2005	365	457	18	800	0	800	3588.55	18978	10689	0
Feb 2005	379	446	17	600	0	600	3586.77	18966	10531	0
Mar 2005	597	561	21	600	0	600	3586.15	18961	10475	0
Apr 2005	887	732	24	600	0	600	3587.28	18969	10576	0
May 2005	2074	1717	33	600	0	600	3598.21	19050	11580	0
Jun 2005	2773	2294	40	650	0	650	3613.29	19168	13064	0
Jul 2005	1402	1269	48	850	0	850	3616.62	19196	13408	0
Aug 2005	552	653	49	900	0	900	3613.96	19174	13133	0

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Hoover Dam - Lake Mead

10-sep-2003 12:13:31

	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
* Sep 2002	483	169	81	664	11.2	30	643	1111	1155.42	17093
WY 2002	8230	402	802	10509		298	10367			
H Oct 2002	496	50	59	525	8.5	28	514	1107	1154.89	17032
I Nov 2002	476	34	58	625	10.5	21	620	1095	1153.30	16850
S Dec 2002	602	51	50	731	11.9	13	729	1087	1152.13	16718
T Jan 2003	784	66	41	651	10.6	13	646	1095	1153.33	16854
O Feb 2003	714	77	38	608	10.9	13	580	1104	1154.42	16978
R Mar 2003	786	72	42	957	15.6	21	949	1094	1153.09	16826
I Apr 2003	601	34	52	1138	19.1	20	1126	1059	1148.27	16287
C May 2003	652	29	58	1017	16.5	24	1013	1033	1144.68	15893
A Jun 2003	842	5	69	918	15.4	31	917	1023	1143.19	15733
L Jul 2003	900	39	86	964	15.7	33	964	1014	1141.93	15598
* Aug 2003	902	119	91	744	12.1	32	654	1023	1143.27	15741
Sep 2003	474	64	75	562	9.4	27	562	1015	1142.17	15623
WY 2003	8229	640	719	9440		276	9274			
Oct 2003	492	62	55	383	6.2	28	383	1021	1142.94	15705
Nov 2003	476	60	55	657	11.0	20	657	1009	1141.23	15522
Dec 2003	492	77	47	702	11.4	19	702	997	1139.46	15335
Jan 2004	788	73	38	719	11.7	13	719	1002	1140.27	15421
Feb 2004	712	98	35	604	10.5	13	604	1012	1141.66	15569
Mar 2004	788	84	39	1025	16.7	19	1025	999	1139.79	15370
Apr 2004	600	58	48	1125	18.9	24	1125	966	1134.96	14864
May 2004	600	78	55	966	15.7	30	966	943	1131.56	14514
Jun 2004	800	39	65	889	14.9	30	889	935	1130.23	14377
Jul 2004	900	68	81	895	14.5	30	894	932	1129.88	14342
Aug 2004	900	83	87	732	11.9	30	732	940	1131.11	14467
Sep 2004	682	71	72	583	9.8	29	583	945	1131.74	14532
WY 2004	8230	851	677	9280		285	9281			
Oct 2004	600	62	52	422	6.9	28	422	954	1133.20	14681
Nov 2004	600	60	52	708	11.9	20	708	947	1132.11	14569
Dec 2004	800	77	45	716	11.6	15	716	953	1133.03	14664
Jan 2005	800	73	37	721	11.7	13	721	959	1133.96	14760
Feb 2005	600	98	34	604	10.9	13	604	962	1134.38	14804
Mar 2005	600	84	38	1025	16.7	19	1025	938	1130.75	14430
Apr 2005	600	58	46	1125	18.9	24	1125	905	1125.75	13926
May 2005	600	78	53	966	15.7	30	966	883	1122.24	13577
Jun 2005	650	39	63	889	14.9	30	889	865	1119.41	13303
Jul 2005	850	68	78	895	14.5	30	894	860	1118.60	13224
Aug 2005	900	83	83	732	11.9	30	732	868	1119.92	13353

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
 Davis Dam - Lake Mohave

10-sep-2003 12:13:31

	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
* Sep 2002	664	-15	771	0	771	13.0	638.47	1577
WY 2002	10509	-227	10283	0	10284			
H Oct 2002	525	-4	610	0	610	9.9	635.03	1486
I Nov 2002	625	-11	584	0	584	9.8	636.18	1516
S Dec 2002	731	-23	544	0	544	8.9	642.27	1679
T Jan 2003	651	-17	608	0	608	9.9	643.24	1705
O Feb 2003	608	-13	572	0	572	10.3	644.08	1728
R Mar 2003	957	-19	980	0	980	15.9	642.53	1686
I Apr 2003	1138	-30	1108	0	1108	18.6	642.53	1686
C May 2003	1017	-33	955	0	955	15.5	643.60	1715
A Jun 2003	918	-32	905	0	905	15.2	642.89	1696
L Jul 2003	964	-31	886	0	886	14.4	644.60	1743
* Aug 2003	744	-23	723	0	723	11.8	644.48	1739
Sep 2003	562	-31	636	0	636	10.7	640.60	1634
WY 2003	9440	-267	9111	0	9111			
Oct 2003	383	-30	565	0	565	9.2	632.50	1422
Nov 2003	657	-28	591	0	591	9.9	634.00	1460
Dec 2003	702	-28	551	0	551	9.0	638.71	1583
Jan 2004	719	-32	604	0	604	9.8	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	583	-31	646	0	646	10.9	638.00	1564
WY 2004	9280	-365	8985	0	8985			
Oct 2004	422	-30	585	0	585	9.5	630.49	1371
Nov 2004	708	-28	591	0	591	9.9	634.00	1460
Dec 2004	716	-28	565	0	565	9.2	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	889	-28	889	0	889	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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Parker Dam - Lake Havasu

10-sep-2003 12:13:31

	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
* Sep 2002	771	-10	578	9.7	106	70	447.20	565	112	1.9
WY 2002	10284	-130	7267		1281	1627			1610	
H Oct 2002	610	8	500	8.1	59	40	448.20	584	79	1.3
I Nov 2002	584	0	392	6.6	109	108	446.88	559	104	1.7
S Dec 2002	544	4	322	5.2	110	128	446.21	547	122	2.0
T Jan 2003	608	-2	378	6.1	58	179	445.69	537	134	2.2
O Feb 2003	572	13	376	6.8	6	167	447.62	573	181	3.3
R Mar 2003	980	-13	728	11.8	82	188	445.89	541	207	3.4
I Apr 2003	1108	1	800	13.4	82	176	448.60	592	205	3.4
C May 2003	955	49	710	11.5	53	184	448.83	596	112	1.8
A Jun 2003	905	-15	715	12.0	35	144	448.57	591	112	1.9
L Jul 2003	886	-13	742	12.1	51	76	448.81	596	122	2.0
* Aug 2003	723	-4	607	9.9	63	48	448.81	596	100	1.6
Sep 2003	636	8	558	9.4	52	55	447.75	575	90	1.5
WY 2003	9111	36	6828		760	1493			1568	
Oct 2003	565	11	465	7.6	42	96	446.30	548	76	1.2
Nov 2003	591	17	408	6.9	33	171	446.00	543	99	1.7
Dec 2003	551	0	370	6.0	35	151	445.80	539	119	1.9
Jan 2004	604	-6	378	6.1	35	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	646	8	558	9.4	29	80	446.81	557	90	1.5
WY 2004	8985	35	6857		502	1680			1494	
Oct 2004	585	11	465	7.6	68	72	446.31	548	78	1.3
Nov 2004	591	17	408	6.9	65	141	445.99	543	99	1.7
Dec 2004	565	0	370	6.0	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	889	-7	715	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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Hoover Dam - Lake Mead

10-sep-2003 12:01:59

	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
* Sep 2002	664	11.2	1155.42	17093	-116	0.00	1908.0	286.3	100	431.1
WY 2002	10508							4754.7		
H Oct 2002	525	8.5	1154.89	17032	-61	0.00	1545.0	225.0	81	428.7
I Nov 2002	625	10.5	1153.30	16850	-182	0.00	1317.0	275.8	69	441.1
S Dec 2002	731	11.9	1152.13	16718	-133	0.00	1317.0	324.3	69	443.9
T Jan 2003	651	10.6	1153.33	16854	136	0.00	1183.0	285.8	62	438.7
O Feb 2003	608	10.9	1154.42	16978	125	0.00	1317.0	265.2	69	436.1
R Mar 2003	957	15.6	1153.09	16826	-152	0.00	1526.0	425.3	80	444.4
I Apr 2003	1138	19.1	1148.27	16287	-539	0.00	1431.0	504.4	75	443.3
C May 2003	1017	16.5	1144.68	15893	-393	0.00	1509.0	443.4	82	435.8
A Jun 2003	918	15.4	1143.19	15733	-161	0.00	1840.0	394.8	100	429.9
L Jul 2003	964	15.7	1141.93	15598	-135	0.00	1840.0	413.6	100	428.8
* Aug 2003	744	12.1	1143.27	15741	144	0.00	1840.0	313.4	100	421.2
Sep 2003	562	9.4	1142.17	15623	-118	489.15	1840.0	236.7	100	421.6
WY 2003	9440							4107.5		
Oct 2003	383	6.2	1142.94	15705	83	494.21	1490.4	158.0	81	412.3
Nov 2003	657	11.0	1141.23	15522	-183	497.96	1232.8	287.8	67	438.1
Dec 2003	702	11.4	1139.46	15335	-187	495.06	1140.8	309.4	62	440.4
Jan 2004	719	11.7	1140.27	15421	85	492.03	1140.8	316.4	62	439.9
Feb 2004	604	10.5	1141.66	15569	148	491.05	1251.2	263.2	68	435.8
Mar 2004	1025	16.7	1139.79	15370	-198	490.30	1269.6	455.6	69	444.4
Apr 2004	1125	18.9	1134.96	14864	-506	486.96	1269.6	507.0	69	450.6
May 2004	966	15.7	1131.56	14514	-350	479.42	1840.0	414.3	100	428.9
Jun 2004	889	14.9	1130.23	14377	-137	477.39	1840.0	377.2	100	424.4
Jul 2004	895	14.5	1129.88	14342	-36	477.05	1840.0	377.9	100	422.4
Aug 2004	732	11.9	1131.11	14467	125	477.65	1840.0	308.6	100	421.3
Sep 2004	583	9.8	1131.74	14532	65	479.72	1840.0	243.6	100	417.7
WY 2004	9281							4018.8		
Oct 2004	422	6.9	1133.20	14681	150	483.55	1729.6	173.7	94	412.0
Nov 2004	708	11.9	1132.11	14569	-112	488.31	1380.0	306.9	75	433.8
Dec 2004	716	11.6	1133.03	14664	95	486.53	1269.6	309.8	69	432.9
Jan 2005	721	11.7	1133.96	14760	96	484.90	1269.6	311.8	69	432.2
Feb 2005	604	10.9	1134.38	14804	44	484.16	1269.6	257.5	69	426.5
Mar 2005	1025	16.7	1130.75	14430	-374	482.16	1269.6	449.0	69	438.0
Apr 2005	1125	18.9	1125.75	13926	-505	477.85	1269.6	498.6	69	443.2
May 2005	966	15.7	1122.24	13577	-348	472.29	1490.4	413.4	81	428.0
Jun 2005	889	14.9	1119.41	13303	-275	467.37	1840.0	370.4	100	416.7
Jul 2005	895	14.5	1118.60	13224	-79	466.05	1840.0	370.4	100	414.0
Aug 2005	732	11.9	1119.92	13353	129	466.47	1840.0	302.5	100	413.1

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
Davis Dam - Lake Mohave

10-sep-2003 12:01:59

	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
* Sep 2002	771	13.0	638.47	1577	-122	0.00	240.0	95.5	100	123.9
WY 2002	10284							1281.2		
H Oct 2002	610	9.9	635.03	1486	-90	0.00	192.0	73.3	80	120.1
I Nov 2002	584	9.8	636.18	1516	30	0.00	185.0	69.7	77	119.5
S Dec 2002	544	8.9	642.27	1679	162	0.00	163.0	67.4	68	123.9
T Jan 2003	608	9.9	643.24	1705	26	0.00	154.0	76.7	64	126.2
O Feb 2003	572	10.3	644.08	1728	23	0.00	178.0	73.2	74	128.0
R Mar 2003	980	15.9	642.53	1686	-42	0.00	197.0	124.6	82	127.1
I Apr 2003	1108	18.6	642.53	1686	0	0.00	240.0	138.5	100	125.0
C May 2003	955	15.5	643.60	1715	29	0.00	255.0	120.9	100	126.5
A Jun 2003	905	15.2	642.89	1696	-19	0.00	255.0	113.6	100	125.6
L Jul 2003	886	14.4	644.60	1743	47	0.00	255.0	111.6	100	125.9
* Aug 2003	723	11.8	644.48	1739	-3	0.00	255.0	91.6	100	126.7
Sep 2003	636	10.7	640.60	1634	-106	135.55	255.0	80.4	100	126.3
WY 2003	9111							1141.5		
Oct 2003	565	9.2	632.50	1422	-212	130.74	204.0	68.6	80	121.5
Nov 2003	591	9.9	634.00	1460	38	127.52	196.3	69.8	77	118.2
Dec 2003	551	9.0	638.71	1583	123	131.54	173.4	66.9	68	121.4
Jan 2004	604	9.8	641.80	1666	83	135.97	163.2	75.3	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	646	10.9	638.00	1564	-94	132.63	255.0	79.9	100	123.7
WY 2004	8985							1113.8		
Oct 2004	585	9.5	630.49	1371	-193	128.32	204.0	69.8	80	119.3
Nov 2004	591	9.9	634.00	1460	89	126.46	196.3	69.3	77	117.3
Dec 2004	565	9.2	638.71	1583	123	131.54	173.4	68.5	68	121.3
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	889	14.9	642.00	1671	-28	135.52	255.0	110.9	100	124.9
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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply
 Parker Dam - Lake Havasu

10-sep-2003 12:01:59

	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
* Sep 2002	578	9.7	447.20	565	5	0.00	113.0	39.2	94	67.8
WY 2002	7268							485.6		
H Oct 2002	500	8.1	448.20	584	19	0.00	92.0	34.5	77	69.0
I Nov 2002	392	6.6	446.88	559	-25	0.00	94.0	26.9	78	68.7
S Dec 2002	322	5.2	446.21	547	-12	0.00	103.0	21.4	86	66.5
T Jan 2003	378	6.1	445.69	537	-10	0.00	120.0	25.5	100	67.5
O Feb 2003	376	6.8	447.62	573	36	0.00	120.0	25.2	100	67.1
R Mar 2003	728	11.8	445.89	541	-32	0.00	120.0	48.5	100	66.5
I Apr 2003	800	13.4	448.60	592	50	0.00	120.0	53.8	100	67.2
C May 2003	710	11.5	448.83	596	5	0.00	120.0	48.4	100	68.3
A Jun 2003	715	12.0	448.57	591	-5	0.00	120.0	48.8	100	68.3
L Jul 2003	742	12.1	448.81	596	5	0.00	120.0	50.7	100	68.3
* Aug 2003	607	9.9	448.81	596	-0	0.00	120.0	41.6	100	68.5
Sep 2003	558	9.4	447.75	575	-20	75.95	112.8	36.8	94	66.0
WY 2003	6827							462.2		
Oct 2003	465	7.6	446.30	548	-27	75.71	92.4	30.5	77	65.5
Nov 2003	408	6.9	446.00	543	-5	74.79	93.6	26.4	78	64.5
Dec 2003	370	6.0	445.80	539	-4	74.07	103.2	23.5	86	63.5
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	558	9.4	446.81	557	-13	74.55	120.0	36.2	100	64.9
WY 2004	6858							448.8		
Oct 2004	465	7.6	446.31	548	-9	75.37	90.0	30.4	75	65.3
Nov 2004	408	6.9	445.99	543	-6	74.98	90.0	26.4	75	64.7
Dec 2004	370	6.0	445.80	539	-4	74.73	90.0	23.7	75	64.1
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	715	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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 9/2003 Most Prob Water Supply

Wed Sep 10 12:13:09 2003

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
* Sep 2002	213	17	15	18	10	3
Summer 2002	213	17	15	18	10	3
H Oct 2002	218	17	8	10	3	3
I Nov 2002	209	16	3	4	0	2
S Dec 2002	276	16	3	4	0	3
T Jan 2003	345	16	3	4	0	3
O Feb 2003	326	19	4	5	0	2
R Mar 2003	334	17	2	5	1	4
Winter 2003	1708	101	22	33	4	16
I Apr 2003	254	16	12	18	11	6
C May 2003	275	48	11	20	18	5
A Jun 2003	0	0	0	0	0	0
L Jul 2003	386	17	29	39	20	3
* Aug 2003	382	17	26	36	23	3
Sep 2003	188	17	19	26	15	2
Summer 2003	1485	114	97	138	87	20
Oct 2003	195	17	12	16	10	4
Nov 2003	188	17	3	5	4	4
Dec 2003	194	17	4	6	4	4
Jan 2004	309	17	4	6	4	4
Feb 2004	276	16	4	6	4	3
Mar 2004	304	17	4	7	5	5
Winter 2004	1465	102	32	47	31	23
Apr 2004	230	17	8	13	10	6
May 2004	231	45	6	17	16	7
Jun 2004	314	52	9	17	18	9
Jul 2004	357	22	27	33	21	10
Aug 2004	356	22	29	35	20	10
Sep 2004	268	22	27	32	18	6
Summer 2004	1757	180	106	146	104	47
Oct 2004	235	22	19	24	14	6
Nov 2004	234	22	10	13	8	6
Dec 2004	311	22	15	19	11	6
Jan 2005	308	22	25	31	17	5
Feb 2005	230	20	22	28	16	4
Mar 2005	229	22	21	28	16	5
Winter 2005	1548	131	112	144	82	31
Apr 2005	229	22	22	33	20	0
May 2005	232	73	12	25	22	0
Jun 2005	259	81	8	17	20	7
Jul 2005	345	43	27	34	22	9
Aug 2005	366	43	32	37	22	6

model_run_id = 1286

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 * * * *						* * * C R E D I T A B L E S P A C E * * * *												
SEP	2003	1168	425	956	12164	14712	11639	26351	1168	425	956	2548	12164	11639	26351	2270	562	0	34.0	
OCT	2003	1193	470	979	12343	14986	11757	26744	1193	470	979	2643	12343	11757	26744	3040	460	0	33.6	
NOV	2003	1217	491	1004	12455	15167	11747	26914	1217	491	1004	2712	12455	11747	26914	3810	580	0	33.4	
DEC	2003	1242	480	1010	12543	15275	11858	27132	1242	480	1010	2732	12543	11858	27132	4580	702	0	33.1	
JAN	2004	1262	476	1017	12690	15445	12045	27490	1262	476	1017	2755	12690	12045	27490	5350	719	0	32.9	
		* * * E F F E C T I V E S P A C E * * * *																		
JAN	2004	1262	476	1017	12690	15445	12045	27490	563	411	482	1456	12690	12045	26191	5350	719	0	32.9	
FEB	2004	1278	473	1018	13137	15906	11959	27865	577	408	482	1467	13137	11959	26564	1500	583	0	32.7	
MAR	2004	1286	470	1012	13516	16284	11811	28095	582	405	476	1463	13516	11811	26790	1500	1025	0	32.2	
APR	2004	1257	460	966	13873	16556	12009	28566	547	394	425	1366	13873	12009	27249	1500	1125	0	31.9	
MAY	2004	1193	431	894	13907	16425	12516	28940	473	364	328	1166	13907	12516	27588	1500	966	0	32.6	
JUN	2004	1093	292	768	13196	15349	12866	28215	362	218	169	749	13196	12866	26810	1500	889	0	33.9	
JUL	2004	889	112	682	12240	13923	13003	26925	141	18	38	198	12240	13003	25440	1500	895	0	34.1	
		* * * C R E D I T A B L E S P A C E * * * *																		
AUG	2004	765	95	695	12115	13670	13038	26708	765	95	695	1555	12115	13038	26708	1500	732	0	33.8	
SEP	2004	756	130	722	12481	14088	12913	27001	756	130	722	1607	12481	12913	27001	2270	583	0	33.4	
OCT	2004	775	181	718	12732	14406	12848	27254	775	181	718	1674	12732	12848	27254	3040	422	0	33.2	
NOV	2004	783	210	722	12831	14546	12699	27244	783	210	722	1715	12831	12699	27244	3810	708	0	33.0	
DEC	2004	797	218	716	12949	14680	12811	27490	797	218	716	1731	12949	12811	27490	4580	716	0	32.8	
JAN	2005	824	248	716	13296	15085	12715	27800	824	248	716	1788	13296	12715	27800	5350	721	0	32.6	
		* * * E F F E C T I V E S P A C E * * * *																		
JAN	2005	824	248	716	13296	15085	12715	27800	478	248	362	1088	13296	12715	27100	5350	721	0	32.6	
FEB	2005	847	311	727	13631	15516	12620	28136	498	311	373	1181	13631	12620	27432	1500	604	0	32.4	
MAR	2005	861	367	728	13789	15746	12576	28322	509	366	373	1248	13789	12576	27613	1500	1025	0	32.1	
APR	2005	832	409	688	13845	15774	12950	28723	473	409	328	1210	13845	12950	28005	1500	1125	0	31.8	
MAY	2005	761	419	609	13744	15533	13454	28987	392	419	226	1037	13744	13454	28235	1500	966	0	32.8	
JUN	2005	700	275	498	12740	14214	13802	28017	319	270	85	674	12740	13802	27217	1500	889	0	34.4	
JUL	2005	515	62	493	11256	12325	14077	26402	116	34	38	188	11256	14077	25521	1500	895	0	34.8	
		* * * C R E D I T A B L E S P A C E * * * *																		
AUG	2005	417	27	502	10912	11859	14156	26015	417	27	502	947	10912	14156	26015	1500	732	0	34.5	