

Date: July 10, 2003

From: Water Resource Group, Salt Lake City

To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Status

	June inflow (unreg) (Acre-Feet)	Percent of normal	Midnight July 9 Elevation	Reservoir Storage (Acre-Feet)
Fontenelle	189,000	53	6,496.81	275,000
Flaming Gorge	244,000	52	6,011.25	2,682,000
Blue Mesa	171,000	59	7,478.72	497,000
Powell	2,003,000	65	3,615.09	13,249,000
Navajo	62,000	24	6,014.68	863,000

Expected Operation

FONTENELLE - Fontenelle Reservoir is currently at a reservoir elevation of 6496.81 feet above sea level and slowly rising. The projected peak elevation will likely be about 6498.5 feet above sea level on or about August 1, 2003 which will be about 7.5 feet below the crest elevation of the spillway. Releases from Fontenelle Dam are currently 750 cfs and will likely remain at or near this level for the foreseeable future. During the spring runoff period (April through July) this year, inflows have been well below what was forecasted earlier in the period. The total inflow volume during the runoff period will likely be about 390,000 acre-feet which is only 45% of normal. The April Water Supply Forecast for Fontenelle was 640,000 acre-feet 74% of normal.

Open forum discussions on Fontenelle operations take place at the "Fontenelle Reservoir Working Group" meetings. The next Working Group meeting is scheduled for August 12th, 2003 at 10:00 a.m. at the Seedskadee National Wildlife Refuge. All those interested in the operation of Fontenelle Reservoir are encouraged to attend this meeting. For more information about the Working Group, contact Ed Vidmar at 801-379-1182.

FLAMING GORGE - Releases from Flaming Gorge Reservoir are currently 800 cfs and will likely remain at this level for the foreseeable future. Drought conditions have persisted through the 2003 spring runoff period in the Green River Basin. Unregulated inflows to Flaming Gorge Reservoir from April 1st to July 31st will most likely be about 500,000 acre-feet which is only 42% of normal. This is a particularly bad inflow result considering that the snowpack levels above Flaming Gorge in early April were about 90% of normal. The reservoir elevation at Flaming Gorge is currently 6011.25 feet above sea level which is 28.75 feet below the top of the spillway gates and is about 3.3 feet above the low elevation of the year. The reservoir elevation is projected to increase slowly during the remainder of the summer and fall.

The next "Flaming Gorge Working Group" meeting is to be held on September 16th, 2003 in Vernal,

Utah at 6:30 p.m. at the Western Park Convention Center. This meeting will include several informative presentations regarding Green River hydrology and recovery of endangered fish in the Green River. All those who are interested in these topics or the Green River in general are encouraged to attend. For more information about the Working Group please contact Ed Vidmar at 801-379-1182.

ASPINALL - June unregulated inflow into Blue Mesa Reservoir was 171,000 acre-feet or 59 percent of average. Drought conditions remain the controlling factor for water management throughout the region. Recorded precipitation during the month of June was below normal. The current inflow rate into Blue Mesa Reservoir is about 700 cfs and reservoir releases are averaging about 1,700 cfs. Blue Mesa's present elevation is 7479.08 feet, which corresponds to a storage content of about 499,000 acre-feet. During the last week of May saw record high temperatures, which quickly melted a majority of the snowpack. This resulted in some very impressive streamflow rates, but which were only of short duration because of the limited snowpack. Blue Mesa had a peak inflow of 6,700 cfs on May 30, 2003. Since that time the spring runoff has receded rather abruptly and is for the most part over. On July 1, 2003, the National Weather Service's River Forecast Center issued their final inflow forecast for Blue Mesa Reservoir for the April through July runoff period. This forecast is projecting a volume runoff into the reservoir of 450,000 acre-feet. This represents a 62 percent of average runoff for this time period.

Releases from Crystal Dam are currently set at 1775 cfs. The Gunnison Diversion Tunnel is currently diverting about 1025 cfs which leaves approximately 750 cfs in the river below the tunnel. Due to the severity of the continuing drought in the Gunnison River Basin, river flows through the Black Canyon of the Gunnison have been set to meet downstream water flow rights. Some fluctuation to river flows may occur as we respond to downstream water needs. However, for the most part the Gunnison River is now flowing at the projected maximum for this summer season. The flows will start to diminish during August and continue into October when we expect to have minimum flows again during the fall and winter season.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, August 21, 2003 at 1:00 PM in the National Park Service Elk Creek Visitor Center at Blue Mesa Reservoir. At this meeting, review of last few months of reservoir operations, and plans for this fall 2003 operations will be discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

NAVAJO – Reclamation will be increasing the release from Navajo Reservoir from 900 cubic feet per second (cfs) to 1,000 cfs **on Thursday, July 10, 2003, at 9:00 a.m.** These releases are being made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

With the current anticipated shortage of 1% to all users along the San Juan River, the target base flow is 495 cfs (500 cfs less 1%). The target base flow is calculated as the weekly average of gauged flows throughout the critical habitat area, therefore daily flows of less than 495 cfs may

occur at some gages. After a couple of weeks of ramping up the releases, it is anticipated that this latest increase will be sufficient to meet current demands downstream.

The current inflow into Navajo Reservoir is averaging about 200 cfs. Presently, the reservoir water surface elevation is 6015.01 feet, which corresponds to a storage content of about 866,000 acre-feet. The monthly precipitation average in the basin above Bluff was below normal for June. Navajo Reservoir end-of-June content was 884,600 acre-feet, or 62% of average. Inflow to Navajo Reservoir during June was 68,100 acre-feet, 32% of average. Releases to the San Juan River were 29,000 acre-feet (487 cfs). Diversions to NIIP were 35,700 acre-feet. Reservoir releases were increased from 450 cfs to 500 cfs on June 19th, from 500 to 550 on June 26th, from 550 to 750 on June 30th. Minimum releases from the dam will be 450 cfs this summer.

Based on the July 3rd, 2003 Final Forecast provided by the Colorado Basin River Forecast Center in Salt Lake City, the Most Probable modified-unregulated inflow forecast volume is 331,000 acre-feet (41% of the 30-year average) for the April-July period. This is 9,000 acre-feet less than predicted in the June Final Forecast. After adjusting for Vallecito Reservoir operation and diversions to San Juan-Chama Project, the Apr-July inflow is projected to be 289,300 acre-feet, 43% of the 30-year average. This is about 1,000 acre-feet less than predicted in the June Forecast. Releases are estimated to be 338,000 acre-feet for the 2003 WY and are based on forecasted Animas River flows and requirements to satisfy the SJRIP target flows. The September Navajo end-of-month content is projected to be 781,700 acre-feet, or 57% of average. This shows 90,000 acre-feet (10.3%) decrease over September 2002 reservoir contents. This forecast indicates that no shortages would occur to Navajo Reservoir contract users and no Spring Fish Release will be made in 2004.

A public meeting on Navajo Reservoir operations will be held on Tuesday, August 19, 2003 starting at 1:00 PM in Farmington, New Mexico. At this meeting, review of last Spring and Summer reservoir operations, and plans for this Fall 2003 operations will be discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

Glen Canyon Dam - Lake Powell

Operations: Releases from Glen Canyon Dam in July will average about 14,600 cubic feet per second (cfs) with a total of 900,000 acre-feet scheduled to be released. On Mondays through Fridays in July, daily fluctuations due to load following will likely vary between a low of about 10,250 cfs (during late evening and early morning off-peak hours) to a high of about 18,250 cfs (during late afternoon and early evening on-peak hours). On Saturdays, releases will likely vary between a low of about 10,250 cfs during off-peak hours to a high of about 17,250 cfs during on-peak hours. On Sundays, releases will likely be steady throughout the day at 10,250 cfs. It should be noted, however, that actual releases will occasionally deviate from those listed here due to real-time power system considerations.

August releases will likely be very similar to July releases. A total of 900,000 acre-feet, the same volume as July, is scheduled to be released in August, 2003. Releases in September, 2003 however, will be significantly lower. A total of 480,000 acre-feet is scheduled to be released in September,

which averages out to about 8,000 cfs.

Because of the draw down condition of Lake Powell , releases from Lake Powell in water year 2003 are being scheduled to meet the minimum objective release of 8.23 million acre-feet. This is consistent with the requirements of the Criteria for Coordinated Long-Range Operation of Colorado River Reservoirs.

Experimental Flows: Daily high fluctuating releases from Glen Canyon Dam, as part of the Glen Canyon Dam experimental flows, were completed on March 31, 2003 . From January through March 2003 releases ranged between a high of 20,000 cfs to a low of 5,000 cfs each day. These same high fluctuating releases are scheduled to be repeated in January through March of 2004.

The January through March high fluctuating releases were intended to benefit the endangered humpback chub. Scientists have recognized that the humpback chub population has been in general decline since highly fluctuating flows were curtailed in November of 1991. Those flows helped keep the non-native fish, especially the rainbow and brown trout, in check. The trout are thought to prey upon and compete with native fish such as the endangered humpback chub. The experimental flows from Glen Canyon Dam received environmental clearances in December 2002. The flows were analyzed in an environmental assessment in accordance with the National Environmental Policy Act. The experimental flows are the result of ongoing studies by scientists from the United States Geological Survey and were recommended by the Glen Canyon Dam Adaptive Management Work Group, a Federal advisory committee. The experimental flows address the decline of two key resources in the Grand Canyon : sediment and population viability of endangered humpback chub. The Finding of No Significant Impact on the experimental flows can be found at http://www.usbr.gov/uc/envprog/amp/pdfs/flow_fonsi.pdf

Basin Hydrology: Unseasonably warm weather was manifest in the Colorado River basin in the latter part of May and early June. This warm weather resulted in substantial late May and early June snowmelt and runoff, especially in the Yampa River basin and the headwaters drainages of the Colorado River . Some streamflow gages even recorded record high daily flows (the Eagle River in Colorado for example). Unfortunately, snow in the basin was about gone by mid-June, and river flows (which in normal years often sustain good flows throughout June) dropped off rapidly. Unless there is significant monsoonal activity this summer, river flows in the basin in July, August and September will be quite low.

Inflow to Lake Powell peaked at 53,000 cfs on June 5, 2003 . The last time inflow to Lake Powell was this high was in June of 1999. As of July 8, 2003 , however, inflow to Lake Powell had dropped to 9,500 cfs, only 35 percent of what would normally be seen on this date.

Inflow volumes are expected to be substantially below average this year with water year 2003 being the 4 th consecutive year with below average inflow to Lake Powell . The July final inflow forecast issued by the National Weather Service is calling for 4.2 million acre-feet of unregulated runoff into Lake Powell during the 2003 April through July runoff period. This equates to 53 percent of average. Total unregulated inflow for water year 2003 will likely be about 56 percent of average.

While inflow to Lake Powell was relatively healthy the a couple of weeks in late May and early June, monthly inflow volumes continue to be significantly below long term averages. Total unregulated inflow in June, 2003 was 2,000,000 acre-feet (65 percent of average). Unregulated

inflow in January, February, March, April, and May was 58, 62, 62, 42, and 50 percent of average, respectively.

Total unregulated inflow into Lake Powell in water years 2000 and 2001 was 62 and 59 percent of average, respectively, and only 25 percent of average in 2002. Inflow in 2002 was the lowest ever observed since the completion of Glen Canyon Dam in 1963. These low inflows have reduced water storage in Lake Powell . Lake Powell reached a low water surface elevation this year of 3605 feet (95 feet from full pool) on May 1, 2003 . Lake Powell reached its peak elevation on June 23, 2003 at 3616.6 feet. The current elevation of Lake Powell is 3,616.3 feet (83.7 feet from full pool). Current storage is approximately 13.4 million acre-feet (55 percent of capacity). The water surface elevation at Lake Powell will likely continue to decrease for the remainder of the year. Under the current inflow forecast, Lake Powell will likely be near elevation 3606 feet on January 1, 2004 .

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-280
125 SOUTH STATE STREET, ROOM 6107
SALT LAKE CITY, UT 84138-1102
PHONE 801-524-5571

RUNOFF PROJECTIONS AND INFLOW INFORMATION INTO UPPER BASIN RESERVOIR PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICE'S
COLORADO BASIN RIVER FORECAST CENTER ARE AS FOLLOWS

:	Obs					Forecast			Outlook	
	mar	apr	may	jun	%Avg	jul	aug	sep	apr-jul	%Avg
GLDA3:Lake Powell	413	409	1156	2003	65%:	635/	400/	350/	4203/:	53%
GBRW4:Fontenelle	59	56	76	189	53%:	69/	45/	35/	390/:	45%
GRNU1:Flaming Gorge	78	66	99	244	52%:	90/	55/	40/	499/:	42%
BMDC2:Blue Mesa	27	42	174	171	59%:	63/	40/	24/	450/:	62%
MPSC2:Morrow Point					:	/	/	/	485/:	62%
CLSC2:Crystal Unreg**	34	56	206	196	54%:	77/	48/	31/	535/:	58%
VCRC2:Vallecito	4.9	13.6	53	30	37%:	12/	8.7/	10.4/	109/:	53%
NVRN5:Navajo Unreg	39	71	166	62	24%:	32/	25.8/	21/	331/:	41%
MPHC2:McPhee	11	37	74	32	32%:	12/	10/	8/	155/:	48%
TPIC2:Taylor Park					:	/	/	/	78/:	76%
RBSC2:Ridgway					:	/	/	/	70/:	69%
LEMC2:Lemon	0.8	3.2	17.6	6.2	25%:	2.0/	2.1/	2.2/	29/:	50%

: ** UNREGULATED CRYSTAL INFLOW COMBINES BLUE MESA UNREGULATED
: INFLOW PLUS THE SIDE INFLOW TO BOTH MORROW POINT AND CRYSTAL

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 7/2003 Most Prob Water Supply
Fontenelle Reservoir

09-jul-2003 13:14:48

	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Jul 2002	69	2	37	1	38	6496.60	274
H Aug 2002	29	2	39	0	39	6494.82	261
I Sep 2002	29	2	41	0	41	6492.76	247
WY 2002	530	12	423	10	433		
S Oct 2002	32	1	40	0	40	6491.36	237
T Nov 2002	31	1	25	14	39	6490.06	228
O Dec 2002	26	1	40	0	40	6487.79	213
R Jan 2003	25	1	40	0	40	6485.33	198
I Feb 2003	24	1	36	0	36	6483.23	185
C Mar 2003	59	1	58	0	58	6483.32	186
A Apr 2003	56	1	83	4	87	6477.50	154
L May 2003	76	1	74	13	87	6475.15	142
* Jun 2003	189	2	63	0	63	6495.52	266
Jul 2003	69	3	46	0	46	6498.34	287
Aug 2003	45	2	46	0	46	6497.92	283
Sep 2003	35	2	26	18	44	6496.44	273
WY 2003	667	17	577	49	626		
Oct 2003	42	1	46	0	46	6495.72	268
Nov 2003	35	1	44	0	44	6494.35	258
Dec 2003	27	1	46	0	46	6491.52	238
Jan 2004	25	1	46	0	46	6488.19	216
Feb 2004	23	1	42	0	42	6485.15	197
Mar 2004	42	1	50	0	50	6483.73	188
Apr 2004	75	1	60	0	60	6486.03	202
May 2004	159	2	104	46	150	6487.17	210
Jun 2004	288	2	104	101	205	6498.86	290
Jul 2004	173	3	101	19	120	6505.38	341
Aug 2004	75	2	100	0	100	6501.90	313
Sep 2004	43	2	67	0	67	6498.48	288
WY 2004	1007	18	810	166	976		
Oct 2004	52	1	69	0	69	6495.92	269
Nov 2004	43	1	67	0	67	6492.44	244
Dec 2004	33	1	69	0	69	6486.86	208
Jan 2005	31	1	69	0	69	6480.36	169
Feb 2005	29	1	62	0	62	6473.60	135
Mar 2005	52	0	75	0	75	6468.12	111
Apr 2005	93	1	90	0	90	6468.71	114
May 2005	196	1	97	63	160	6476.47	149
Jun 2005	356	2	101	109	210	6499.17	293

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 Most Prob Water Supply
 Flaming Gorge Reservoir 09-jul-2003 13:14:48

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Jul 2002	65	32	11	49	0	49	72	6012.63	2727	0	54
H Aug 2002	15	24	11	50	0	50	71	6011.56	2692	0	51
I Sep 2002	28	42	9	51	0	51	70	6011.03	2675	0	54
WY 2002	530	435	69	657	0	657					1220
S Oct 2002	30	38	6	50	0	50	69	6010.50	2657	0	67
T Nov 2002	32	40	3	48	0	48	69	6010.17	2647	0	71
O Dec 2002	22	36	2	50	0	50	68	6009.71	2632	0	72
R Jan 2003	30	45	1	49	0	49	68	6009.50	2625	0	80
I Feb 2003	32	43	2	57	0	57	67	6009.04	2610	0	79
C Mar 2003	78	77	3	52	0	52	68	6009.69	2631	0	131
A Apr 2003	66	96	4	49	0	49	70	6010.98	2673	0	219
L May 2003	99	119	7	140	0	140	69	6010.17	2647	0	590
* Jun 2003	244	111	9	63	0	63	70	6011.30	2684	0	506
Jul 2003	90	67	12	49	0	49	70	6011.49	2690	0	49
Aug 2003	55	56	9	49	0	49	70	6011.43	2688	0	49
Sep 2003	40	49	8	47	0	47	70	6011.27	2682	0	47
WY 2003	818	777	66	703	0	703					1960
Oct 2003	48	52	4	49	0	49	70	6011.23	2681	0	49
Nov 2003	45	54	2	47	0	47	70	6011.38	2686	0	47
Dec 2003	32	51	2	49	0	49	70	6011.39	2687	0	49
Jan 2004	36	57	2	49	0	49	71	6011.58	2693	0	49
Feb 2004	41	60	2	44	0	44	71	6012.00	2707	0	44
Mar 2004	87	95	4	49	0	49	72	6013.23	2747	0	49
Apr 2004	127	112	6	48	0	48	74	6014.90	2803	0	48
May 2004	245	236	9	125	0	125	77	6017.78	2902	0	125
Jun 2004	381	298	12	146	0	146	82	6021.63	3038	0	146
Jul 2004	210	157	13	74	0	74	84	6023.51	3106	0	74
Aug 2004	87	112	10	74	0	74	85	6024.26	3133	0	74
Sep 2004	53	77	9	71	0	71	85	6024.19	3130	0	71
WY 2004	1392	1361	75	825	0	825					825
Oct 2004	65	82	5	74	0	74	85	6024.28	3134	0	74
Nov 2004	56	80	2	71	0	71	85	6024.45	3140	0	71
Dec 2004	40	76	2	74	0	74	85	6024.45	3140	0	74
Jan 2005	45	83	2	74	0	74	86	6024.65	3147	0	74
Feb 2005	50	83	2	67	0	67	86	6025.01	3161	0	67
Mar 2005	108	132	4	104	0	104	87	6025.63	3183	0	104
Apr 2005	157	154	7	101	0	101	88	6026.82	3228	0	101
May 2005	303	266	10	200	0	200	90	6028.27	3283	0	200
Jun 2005	470	324	13	220	0	220	93	6030.56	3371	0	220

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 7/2003 Most Prob Water Supply
Taylor Park Reservoir

09-jul-2003 13:14:48

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Jul 2002	4	14	9298.68	53
H Aug 2002	3	11	9292.28	45
I Sep 2002	3	6	9289.63	42
WY 2002	63	88		
S Oct 2002	4	4	9289.23	42
T Nov 2002	3	3	9289.12	42
O Dec 2002	3	3	9288.42	41
R Jan 2003	3	3	9287.57	40
I Feb 2003	3	3	9287.04	40
C Mar 2003	3	4	9286.61	39
A Apr 2003	7	4	9289.66	42
L May 2003	29	8	9305.60	63
* Jun 2003	31	13	9316.70	81
Jul 2003	10	15	9313.80	76
Aug 2003	6	12	9310.19	70
Sep 2003	5	6	9309.36	69
WY 2003	107	78		
Oct 2003	5	3	9310.56	71
Nov 2003	4	3	9311.24	72
Dec 2003	4	3	9311.92	73
Jan 2004	3	3	9312.10	73
Feb 2004	3	3	9312.28	74
Mar 2004	3	3	9312.47	74
Apr 2004	7	6	9312.83	74
May 2004	22	14	9317.57	83
Jun 2004	38	18	9328.05	102
Jul 2004	18	18	9328.05	102
Aug 2004	8	18	9323.00	92
Sep 2004	6	14	9318.47	84
WY 2004	121	106		
Oct 2004	7	12	9315.34	79
Nov 2004	5	8	9313.64	76
Dec 2004	5	6	9312.80	74
Jan 2005	4	6	9311.81	73
Feb 2005	4	6	9310.46	71
Mar 2005	4	6	9309.40	69
Apr 2005	8	12	9307.06	65
May 2005	27	16	9314.15	77
Jun 2005	46	20	9328.01	102

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 7/2003 Most Prob Water Supply
Blue Mesa Reservoir

09-jul-2003 13:14:48

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir elevation EOM Feet	Live Storage 1000 Ac-Ft
* Jul 2002	14	24	1	98	0	98	7460.33	373
H Aug 2002	10	18	1	73	0	73	7450.91	318
I Sep 2002	13	16	1	58	0	58	7443.05	275
WY 2002	326	348	6	622	45	667		
S Oct 2002	24	25	0	33	0	33	7441.41	267
T Nov 2002	23	23	0	12	0	12	7443.54	278
O Dec 2002	17	18	0	13	0	13	7444.59	283
R Jan 2003	17	18	0	11	0	11	7446.05	291
I Feb 2003	16	17	0	15	0	15	7446.30	292
C Mar 2003	27	27	0	9	0	9	7449.60	310
A Apr 2003	42	39	0	50	0	50	7447.48	299
L May 2003	174	155	1	42	0	42	7466.19	411
* Jun 2003	170	150	1	48	0	48	7480.76	512
Jul 2003	63	68	1	96	0	96	7476.77	483
Aug 2003	40	46	1	98	0	98	7469.17	430
Sep 2003	24	25	1	79	0	79	7460.73	376
WY 2003	637	611	5	506	0	506		
Oct 2003	29	27	0	52	0	52	7456.58	351
Nov 2003	26	25	0	21	0	21	7457.29	355
Dec 2003	21	20	0	16	0	16	7458.00	359
Jan 2004	21	21	0	17	0	17	7458.67	363
Feb 2004	19	19	0	15	0	15	7459.33	367
Mar 2004	29	29	0	17	0	17	7461.25	379
Apr 2004	62	61	1	28	0	28	7466.38	412
May 2004	179	171	1	20	0	20	7487.46	562
Jun 2004	239	219	1	31	0	31	7510.32	749
Jul 2004	110	110	2	81	0	81	7513.45	776
Aug 2004	53	63	1	102	0	102	7508.83	736
Sep 2004	30	38	1	103	0	103	7501.12	671
WY 2004	818	803	7	503	0	503		
Oct 2004	37	43	1	82	0	82	7496.23	631
Nov 2004	32	35	0	54	0	54	7493.78	611
Dec 2004	26	27	0	57	0	57	7490.00	581
Jan 2005	25	27	0	73	0	73	7483.93	535
Feb 2005	23	25	0	77	0	77	7476.82	483
Mar 2005	35	37	0	104	0	104	7467.01	416
Apr 2005	75	79	1	104	0	104	7463.01	390
May 2005	218	206	1	80	0	80	7481.29	515
Jun 2005	292	267	1	27	0	27	7510.90	754

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	16	98	2	100	0	98	0	98	7150.78	110
H Aug 2002	11	73	1	74	0	87	0	87	7133.30	97
I Sep 2002	15	58	2	60	0	35	17	52	7144.13	105
WY 2002	358	667	35	699	0	685	17	702		
S Oct 2002	25	33	1	34	0	29	0	29	7150.55	110
T Nov 2002	24	12	1	13	0	13	0	13	7150.23	109
O Dec 2002	18	13	1	14	0	13	0	13	7150.72	110
R Jan 2003	19	11	1	13	0	12	0	12	7151.64	110
I Feb 2003	18	15	2	17	0	15	0	15	7154.46	113
C Mar 2003	29	9	3	12	0	16	0	16	7148.63	108
A Apr 2003	48	50	7	57	0	52	0	52	7154.64	113
L May 2003	188	42	14	56	0	54	0	54	7157.73	115
* Jun 2003	180	48	10	58	0	59	0	59	7157.05	115
Jul 2003	67	96	4	99	0	102	0	102	7153.73	112
Aug 2003	42	98	2	100	0	100	0	100	7153.73	112
Sep 2003	26	79	2	81	0	81	0	81	7153.73	112
WY 2003	684	506	48	554	0	546	0	546		
Oct 2003	30	52	2	53	0	53	0	53	7153.73	112
Nov 2003	28	21	2	22	0	22	0	22	7153.73	112
Dec 2003	23	16	2	18	0	18	0	18	7153.73	112
Jan 2004	22	17	1	18	0	18	0	18	7153.73	112
Feb 2004	21	15	2	17	0	17	0	17	7153.73	112
Mar 2004	32	17	3	19	0	20	0	20	7153.73	112
Apr 2004	70	28	8	36	0	36	0	36	7153.73	112
May 2004	203	20	24	43	0	44	0	44	7153.73	112
Jun 2004	258	31	19	50	0	50	0	50	7153.73	112
Jul 2004	116	81	6	87	0	87	0	87	7153.73	112
Aug 2004	56	102	3	105	0	105	0	105	7153.73	112
Sep 2004	32	103	2	104	0	105	0	105	7153.73	112
WY 2004	891	503	74	572	0	575	0	575		
Oct 2004	39	82	2	84	0	84	0	84	7153.73	112
Nov 2004	34	54	2	56	0	56	0	56	7153.73	112
Dec 2004	28	57	2	59	0	59	0	59	7153.73	112
Jan 2005	27	73	2	75	0	75	0	75	7153.73	112
Feb 2005	25	77	3	79	0	79	0	79	7153.73	112
Mar 2005	39	104	4	108	0	108	0	108	7153.73	112
Apr 2005	85	104	10	114	0	114	0	114	7153.73	112
May 2005	247	80	29	109	0	109	0	109	7153.73	112
Jun 2005	315	27	23	50	0	50	0	50	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	21	98	5	103	101	0	101	6745.09	15	62	42
H Aug 2002	14	87	3	90	88	1	89	6747.38	15	58	32
I Sep 2002	19	52	4	56	54	1	55	6750.62	16	34	22
WY 2002	414	702	55	757	726	28	754			376	388
S Oct 2002	28	29	3	32	20	15	35	6740.91	14	0	17
T Nov 2002	27	13	3	16	1	15	16	6740.74	14	1	0
O Dec 2002	21	13	2	16	1	14	15	6742.41	14	1	16
R Jan 2003	22	12	3	15	2	14	16	6740.21	13	1	17
I Feb 2003	21	15	3	18	0	15	15	6752.71	17	0	14
C Mar 2003	34	16	4	20	10	11	21	6750.34	16	5	16
A Apr 2003	56	52	7	59	59	0	59	6752.87	17	43	16
L May 2003	206	54	18	72	72	0	72	6752.51	17	49	24
* Jun 2003	196	59	16	75	77	1	78	6740.47	13	48	35
Jul 2003	77	102	10	112	111	0	111	6746.05	15	65	46
Aug 2003	48	100	6	106	106	0	106	6746.05	15	65	41
Sep 2003	31	81	5	86	86	0	86	6746.05	15	55	31
WY 2003	767	546	80	627	545	85	630			333	273
Oct 2003	35	53	5	58	58	0	58	6746.05	15	30	28
Nov 2003	33	22	5	27	28	0	28	6746.05	15	0	27
Dec 2003	27	18	4	22	22	0	22	6746.05	15	0	22
Jan 2004	26	18	4	22	22	0	22	6746.05	15	0	22
Feb 2004	25	17	4	20	21	0	21	6746.05	15	0	20
Mar 2004	39	20	7	27	27	0	27	6746.05	15	5	22
Apr 2004	85	36	15	51	51	0	51	6746.05	15	30	21
May 2004	245	44	43	86	86	0	86	6746.05	15	55	31
Jun 2004	310	50	52	102	102	0	102	6746.05	15	60	42
Jul 2004	137	87	21	108	108	0	108	6746.05	15	65	43
Aug 2004	67	105	11	116	116	0	116	6746.05	15	65	51
Sep 2004	40	105	8	113	112	1	113	6746.05	15	55	57
WY 2004	1069	575	179	752	753	1	754			365	386
Oct 2004	47	84	8	92	92	0	92	6746.05	15	30	62
Nov 2004	40	56	6	62	62	0	62	6746.05	15	0	62
Dec 2004	33	59	5	64	64	0	64	6746.05	15	0	64
Jan 2005	32	75	5	80	80	0	80	6746.05	15	0	80
Feb 2005	30	79	4	84	84	0	84	6746.05	15	0	84
Mar 2005	47	108	8	115	115	0	115	6746.05	15	5	110
Apr 2005	104	114	18	132	112	20	132	6746.05	15	30	102
May 2005	299	109	52	161	116	45	161	6746.05	15	55	106
Jun 2005	378	50	62	112	112	0	112	6746.05	15	60	52

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Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	4	4	7610.88	18
H Aug 2002	3	7	7607.41	15
I Sep 2002	10	5	7611.88	19
WY 2002	76	117		
S Oct 2002	8	4	7615.88	24
T Nov 2002	6	1	7619.82	29
O Dec 2002	4	0	7622.37	32
R Jan 2003	3	0	7624.24	35
I Feb 2003	3	0	7625.98	38
C Mar 2003	5	0	7628.62	42
A Apr 2003	14	0	7635.63	55
L May 2003	53	29	7646.68	79
* Jun 2003	30	40	7641.97	69
Jul 2003	12	40	7627.55	41
Aug 2003	9	35	7606.55	14
Sep 2003	10	18	7595.53	6
WY 2003	157	167		
Oct 2003	11	4	7605.09	13
Nov 2003	7	1	7612.14	20
Dec 2003	5	1	7615.94	24
Jan 2004	4	1	7618.75	28
Feb 2004	4	1	7621.35	31
Mar 2004	6	4	7623.09	34
Apr 2004	17	13	7625.94	38
May 2004	54	43	7632.44	49
Jun 2004	66	42	7644.47	74
Jul 2004	28	43	7637.70	60
Aug 2004	16	43	7622.54	33
Sep 2004	13	30	7608.16	16
WY 2004	231	226		
Oct 2004	14	4	7617.34	26
Nov 2004	9	4	7621.14	31
Dec 2004	6	5	7621.94	32
Jan 2005	5	4	7622.61	33
Feb 2005	5	4	7623.26	34
Mar 2005	8	4	7625.84	38
Apr 2005	21	12	7631.10	47
May 2005	67	43	7642.98	71
Jun 2005	82	42	7659.48	111

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Navajo Reservoir

	Mod_Unreg Inflow 1000 Ac-Ft	Azetea Tunnel_Div 1000 Ac-Ft	Reg Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	NIIP Diversion 1000 ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Farm Flow 1000 Ac-Ft
* Jul 2002	4	0	5	3	41	53	6029.86	1007	47
H Aug 2002	-3	0	0	3	37	50	6020.59	917	45
I Sep 2002	11	0	7	2	16	34	6015.62	872	53
WY 2002	118	5	156	23	186	484			495
S Oct 2002	23	0	18	1	11	31	6012.91	847	49
T Nov 2002	20	0	15	1	1	21	6012.07	840	0
O Dec 2002	13	0	9	0	0	22	6010.55	827	42
R Jan 2003	13	0	10	0	0	22	6009.14	815	39
I Feb 2003	15	0	12	0	0	20	6008.15	806	35
C Mar 2003	39	1	34	1	4	22	6008.99	813	44
A Apr 2003	71	11	48	2	16	21	6010.10	823	41
L May 2003	163	26	115	2	26	25	6016.96	884	97
* Jun 2003	81	19	68	3	36	29	6017.05	885	86
Jul 2003	32	4	56	3	44	55	6011.96	839	55
Aug 2003	26	2	50	2	39	44	6007.89	804	44
Sep 2003	21	5	24	2	17	27	6005.34	782	27
WY 2003	517	68	459	17	194	339			559
Oct 2003	30	1	22	1	12	26	6003.40	766	26
Nov 2003	28	0	21	0	1	21	6003.34	766	21
Dec 2003	20	0	16	0	0	22	6002.62	760	22
Jan 2004	19	0	15	0	0	17	6002.35	758	17
Feb 2004	25	0	22	0	0	16	6002.94	763	16
Mar 2004	72	1	69	1	4	16	6008.68	811	16
Apr 2004	138	14	119	1	21	15	6017.84	892	15
May 2004	223	31	181	2	28	47	6028.74	996	47
Jun 2004	208	32	151	3	39	112	6028.49	993	112
Jul 2004	68	9	73	3	44	30	6028.13	990	30
Aug 2004	37	3	61	2	39	34	6026.64	975	34
Sep 2004	32	1	48	2	17	20	6027.61	985	20
WY 2004	900	92	798	15	205	376			376
Oct 2004	44	1	33	1	12	22	6027.47	983	22
Nov 2004	35	0	30	1	1	21	6028.25	991	21
Dec 2004	25	0	24	0	0	22	6028.46	993	22
Jan 2005	23	0	22	0	0	31	6027.48	983	31
Feb 2005	30	0	29	0	0	28	6027.57	984	28
Mar 2005	89	1	85	1	4	31	6032.40	1033	31
Apr 2005	170	14	146	2	21	30	6041.21	1126	30
May 2005	275	31	220	3	28	59	6052.67	1257	59
Jun 2005	257	32	185	3	39	120	6054.56	1280	120

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Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	60	200	54	897	0	897	3634.24	19122	15333	917
H Aug 2002	12	191	59	893	0	893	3627.45	19125	14569	913
I Sep 2002	273	392	55	483	0	483	3626.53	19079	14468	492
WY 2002	3058	4065	462	8230	0	8230				8307
S Oct 2002	309	372	32	496	0	496	3624.72	19121	14270	503
T Nov 2002	377	384	27	476	0	476	3623.25	19160	14111	480
O Dec 2002	252	279	24	602	0	602	3620.10	19151	13774	610
R Jan 2003	236	264	16	784	0	784	3615.28	19120	13269	798
I Feb 2003	262	281	17	714	0	714	3611.02	19106	12833	727
C Mar 2003	413	376	15	786	0	786	3607.13	19071	12444	794
A Apr 2003	409	387	22	601	0	601	3605.10	19035	12243	605
L May 2003	1156	1054	29	652	0	652	3610.26	18895	12756	662
* Jun 2003	2003	1644	44	842	0	842	3616.20	19045	13365	868
Jul 2003	635	698	48	900	0	900	3613.96	19048	13133	0
Aug 2003	400	511	49	900	0	900	3609.98	19016	12728	0
Sep 2003	350	440	42	476	0	476	3609.26	19010	12656	0
WY 2003	6802	6690	365	8229	0	8229				6047
Oct 2003	460	492	38	492	0	492	3608.91	19007	12621	0
Nov 2003	446	436	31	476	0	476	3608.25	19002	12555	0
Dec 2003	356	369	26	492	0	492	3606.86	18991	12417	0
Jan 2004	328	335	19	788	0	788	3602.39	18956	11979	0
Feb 2004	341	331	18	712	0	712	3598.53	18926	11610	0
Mar 2004	537	435	22	788	0	788	3594.83	18898	11263	0
Apr 2004	798	598	25	600	0	600	3594.56	18897	11238	0
May 2004	1865	1468	34	600	0	600	3602.71	18958	12011	0
Jun 2004	2495	2027	41	800	0	800	3613.72	19046	13109	0
Jul 2004	1261	1111	48	900	0	900	3615.19	19058	13260	0
Aug 2004	497	572	49	900	0	900	3611.79	19030	12911	0
Sep 2004	385	481	42	682	0	682	3609.56	19012	12686	0
WY 2004	9769	8655	393	8230	0	8230				0
Oct 2004	557	602	38	600	0	600	3609.23	19010	12653	0
Nov 2004	550	574	31	600	0	600	3608.70	19005	12600	0
Dec 2004	439	501	26	800	0	800	3605.66	18981	12299	0
Jan 2005	405	490	19	800	0	800	3602.54	18957	11994	0
Feb 2005	417	486	18	650	0	650	3600.79	18943	11826	0
Mar 2005	663	674	22	600	0	600	3601.29	18947	11873	0
Apr 2005	985	854	26	600	0	600	3603.47	18964	12085	0
May 2005	2303	1905	36	800	0	800	3613.39	19043	13075	0
Jun 2005	3080	2498	44	900	0	900	3626.95	19159	14514	0

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Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	897	34	94	1008	16.4	34	999	1127	1157.57	17343
H Aug 2002	893	47	99	945	15.4	39	940	1119	1156.42	17209
I Sep 2002	483	169	81	664	11.2	30	643	1111	1155.42	17093
WY 2002	8230	402	802	10509		298	10368			
S Oct 2002	496	50	59	525	8.5	28	514	1107	1154.89	17032
T Nov 2002	476	34	58	625	10.5	21	620	1095	1153.30	16850
O Dec 2002	602	51	50	731	11.9	13	729	1087	1152.13	16718
R Jan 2003	784	66	41	651	10.6	13	646	1095	1153.33	16854
I Feb 2003	714	77	38	608	10.9	13	580	1104	1154.42	16978
C Mar 2003	786	72	42	957	15.6	21	949	1094	1153.09	16826
A Apr 2003	601	34	52	1138	19.1	20	1126	1059	1148.27	16287
L May 2003	652	29	58	1017	16.5	24	1013	1033	1144.68	15893
* Jun 2003	842	27	69	918	15.4	31	918	1023	1143.19	15733
Jul 2003	900	58	86	887	14.4	32	887	1020	1142.78	15688
Aug 2003	900	70	91	797	13.0	32	797	1023	1143.22	15735
Sep 2003	476	64	75	591	9.9	27	591	1013	1141.87	15591
WY 2003	8229	632	719	9445		275	9370			
Oct 2003	492	62	55	413	6.7	28	413	1017	1142.39	15646
Nov 2003	476	60	54	684	11.5	20	684	1003	1140.43	15437
Dec 2003	492	77	47	688	11.2	19	688	992	1138.79	15265
Jan 2004	788	73	38	721	11.7	13	721	998	1139.58	15348
Feb 2004	712	98	35	604	10.5	13	604	1007	1140.99	15496
Mar 2004	788	84	39	1025	16.7	19	1025	994	1139.11	15298
Apr 2004	600	58	48	1125	18.9	24	1125	961	1134.27	14792
May 2004	600	78	54	965	15.7	30	965	939	1130.86	14442
Jun 2004	800	39	65	889	14.9	30	889	930	1129.52	14306
Jul 2004	900	68	81	918	14.9	30	917	926	1128.96	14249
Aug 2004	900	83	86	765	12.4	30	765	932	1129.89	14343
Sep 2004	682	71	71	604	10.2	29	604	935	1130.34	14389
WY 2004	8230	851	673	9401		285	9402			
Oct 2004	600	62	52	434	7.1	28	434	944	1131.69	14527
Nov 2004	600	60	52	682	11.5	20	682	939	1130.83	14439
Dec 2004	800	77	45	698	11.4	15	698	946	1131.93	14551
Jan 2005	800	73	37	721	11.7	13	721	952	1132.86	14647
Feb 2005	650	98	34	604	10.9	13	604	958	1133.74	14738
Mar 2005	600	84	38	1025	16.7	19	1025	934	1130.10	14364
Apr 2005	600	58	46	1125	18.9	24	1125	901	1125.09	13859
May 2005	800	78	53	965	15.7	30	965	890	1123.47	13699
Jun 2005	900	39	63	889	14.9	30	889	888	1123.06	13658

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Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	1008	-18	1002	0	1002	16.3	642.87	1695
H Aug 2002	945	-26	916	0	916	14.9	642.98	1698
I Sep 2002	664	-15	771	0	771	13.0	638.47	1577
WY 2002	10509	-227	10284	0	10285			
S Oct 2002	525	-4	610	0	610	9.9	635.03	1486
T Nov 2002	625	-11	584	0	584	9.8	636.18	1516
O Dec 2002	731	-23	544	0	544	8.9	642.27	1679
R Jan 2003	651	-17	608	0	608	9.9	643.24	1705
I Feb 2003	608	-13	572	0	572	10.3	644.08	1728
C Mar 2003	957	-19	980	0	980	15.9	642.53	1686
A Apr 2003	1138	-30	1108	0	1108	18.6	642.53	1686
L May 2003	1017	-33	955	0	955	15.5	643.60	1715
* Jun 2003	918	-32	905	0	905	15.2	642.89	1696
Jul 2003	887	-29	899	0	899	14.6	641.40	1655
Aug 2003	797	-35	724	0	724	11.8	642.80	1693
Sep 2003	591	-31	689	0	689	11.6	638.00	1564
WY 2003	9445	-277	9178	0	9178			
Oct 2003	413	-30	576	0	576	9.4	630.49	1371
Nov 2003	684	-28	567	0	567	9.5	634.00	1460
Dec 2003	688	-28	537	0	537	8.7	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	965	-33	932	0	932	15.2	643.01	1699
Jun 2004	889	-28	889	0	889	14.9	642.00	1671
Jul 2004	918	-29	902	0	902	14.7	641.50	1658
Aug 2004	765	-35	730	0	730	11.9	641.50	1658
Sep 2004	604	-31	667	0	667	11.2	638.00	1564
WY 2004	9401	-365	9036	0	9036			
Oct 2004	434	-30	598	0	598	9.7	630.49	1371
Nov 2004	682	-28	565	0	565	9.5	634.00	1460
Dec 2004	698	-28	547	0	547	8.9	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	965	-33	932	0	932	15.2	643.01	1699
Jun 2005	889	-28	889	0	889	14.9	642.00	1671

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	1002	-28	811	13.2	109	87	447.00	561	127	2.1
H Aug 2002	916	-17	700	11.4	112	88	446.92	560	105	1.7
I Sep 2002	771	-10	578	9.7	106	70	447.20	565	112	1.9
WY 2002	10285	-130	7267		1281	1627			1610	
S Oct 2002	610	8	500	8.1	59	40	448.20	584	79	1.3
T Nov 2002	584	0	392	6.6	109	108	446.88	559	104	1.7
O Dec 2002	544	4	322	5.2	110	128	446.21	547	122	2.0
R Jan 2003	608	-2	378	6.1	58	179	445.69	537	134	2.2
I Feb 2003	572	13	376	6.8	6	167	447.62	573	181	3.3
C Mar 2003	980	-13	728	11.8	82	188	445.89	541	207	3.4
A Apr 2003	1108	1	800	13.4	82	176	448.60	592	205	3.4
L May 2003	955	49	710	11.5	53	184	448.83	596	112	1.8
* Jun 2003	905	-15	715	12.0	35	144	448.57	591	111	1.9
Jul 2003	899	-9	765	12.4	53	75	448.34	586	122	2.0
Aug 2003	724	1	640	10.4	52	48	447.50	570	100	1.6
Sep 2003	689	8	579	9.7	44	87	446.81	557	90	1.5
WY 2003	9178	45	6905		743	1524			1567	
Oct 2003	576	11	478	7.8	42	76	446.31	548	76	1.2
Nov 2003	567	17	382	6.4	42	165	446.00	543	95	1.6
Dec 2003	537	0	352	5.7	43	145	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	932	-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	902	-9	765	12.4	84	75	448.00	580	119	1.9
Aug 2004	730	1	640	10.4	21	80	447.50	570	100	1.6
Sep 2004	667	8	579	9.7	29	80	446.81	557	90	1.5
WY 2004	9036	35	6903		521	1648			1490	
Oct 2004	598	11	478	7.8	68	72	446.31	548	78	1.3
Nov 2004	565	17	382	6.4	65	141	445.99	543	99	1.7
Dec 2004	547	0	352	5.7	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	932	-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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 Most Prob Water Supply
Hoover Dam - Lake Mead

10-jul-2003 13:05:32

	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Hoover Static Head Feet	Hoover Generator Capacity MW	Hoover Gross Energy MKWH	Percent Of Units Available	KWH/AF
* Jul 2002	1008	16.4	1157.57	17343	-190	0.00	2062.0	447.2	100	443.7
H Aug 2002	945	15.4	1156.42	17209	-134	0.00	1908.0	416.7	100	440.8
I Sep 2002	664	11.2	1155.42	17093	-116	0.00	1908.0	286.3	100	431.1
WY 2002	10508							4754.7		
S Oct 2002	525	8.5	1154.89	17032	-61	0.00	1545.0	225.0	81	428.7
T Nov 2002	625	10.5	1153.30	16850	-182	0.00	1317.0	275.8	69	441.1
O Dec 2002	731	11.9	1152.13	16718	-133	0.00	1317.0	324.3	69	443.9
R Jan 2003	651	10.6	1153.33	16854	136	0.00	1183.0	285.8	62	438.7
I Feb 2003	608	10.9	1154.42	16978	125	0.00	1317.0	265.2	69	436.1
C Mar 2003	957	15.6	1153.09	16826	-152	0.00	1526.0	425.3	80	444.4
A Apr 2003	1138	19.1	1148.27	16287	-539	0.00	1431.0	504.4	75	443.3
L May 2003	1017	16.5	1144.68	15893	-393	0.00	1509.0	443.4	82	435.8
* Jun 2003	918	15.4	1143.19	15733	-161	0.00	1840.0	394.8	100	429.9
Jul 2003	887	14.4	1142.78	15688	-44	489.67	1885.0	391.1	100	440.9
Aug 2003	797	13.0	1143.22	15735	47	489.72	1885.0	346.6	100	435.0
Sep 2003	591	9.9	1141.87	15591	-144	490.38	1885.0	251.6	100	425.8
WY 2003	9445							4133.1		
Oct 2003	413	6.7	1142.39	15646	55	494.64	1526.8	172.7	81	418.4
Nov 2003	684	11.5	1140.43	15437	-209	497.94	1263.0	301.8	67	441.0
Dec 2003	688	11.2	1138.79	15265	-173	494.33	1168.7	301.4	62	438.4
Jan 2004	721	11.7	1139.58	15348	84	491.35	1168.7	317.1	62	439.6
Feb 2004	604	10.5	1140.99	15496	148	490.37	1281.8	262.9	68	435.3
Mar 2004	1025	16.7	1139.11	15298	-198	489.62	1300.7	455.0	69	443.9
Apr 2004	1125	18.9	1134.27	14792	-506	486.27	1300.7	506.4	69	450.0
May 2004	965	15.7	1130.86	14442	-350	478.72	1885.0	413.6	100	428.4
Jun 2004	889	14.9	1129.52	14306	-137	476.69	1885.0	376.9	100	423.8
Jul 2004	918	14.9	1128.96	14249	-57	476.24	1885.0	388.5	100	423.4
Aug 2004	765	12.4	1129.89	14343	94	476.59	1885.0	323.9	100	423.1
Sep 2004	604	10.2	1130.34	14389	45	478.42	1885.0	253.2	100	419.0
WY 2004	9402							4073.2		
Oct 2004	434	7.1	1131.69	14527	138	482.11	1771.9	179.5	94	413.2
Nov 2004	682	11.5	1130.83	14439	-88	486.92	1413.8	293.6	75	430.4
Dec 2004	698	11.4	1131.93	14551	112	485.34	1300.7	300.3	69	430.3
Jan 2005	721	11.7	1132.86	14647	96	483.80	1300.7	311.2	69	431.4
Feb 2005	604	10.9	1133.74	14738	91	483.29	1300.7	257.2	69	425.9
Mar 2005	1025	16.7	1130.10	14364	-374	481.51	1300.7	448.5	69	437.5
Apr 2005	1125	18.9	1125.09	13859	-505	477.20	1300.7	498.1	69	442.6
May 2005	965	15.7	1123.47	13699	-160	472.57	1526.8	413.4	81	428.2
Jun 2005	889	14.9	1123.06	13658	-41	469.80	1885.0	372.2	100	418.6

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 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
* Jul 2002	1002	16.3	642.87	1695	-25	0.00	240.0	125.0	100	124.8
H Aug 2002	916	14.9	642.98	1698	3	0.00	240.0	114.0	100	124.4
I Sep 2002	771	13.0	638.47	1577	-122	0.00	240.0	95.5	100	123.9
WY 2002	10284							1281.2		
S Oct 2002	610	9.9	635.03	1486	-90	0.00	192.0	73.3	80	120.1
T Nov 2002	584	9.8	636.18	1516	30	0.00	185.0	69.7	77	119.5
O Dec 2002	544	8.9	642.27	1679	162	0.00	163.0	67.4	68	123.9
R Jan 2003	608	9.9	643.24	1705	26	0.00	154.0	76.7	64	126.2
I Feb 2003	572	10.3	644.08	1728	23	0.00	178.0	73.2	74	128.0
C Mar 2003	980	15.9	642.53	1686	-42	0.00	197.0	124.6	82	127.1
A Apr 2003	1108	18.6	642.53	1686	0	0.00	240.0	138.5	100	125.0
L May 2003	955	15.5	643.60	1715	29	0.00	255.0	120.9	100	126.5
* Jun 2003	905	15.2	642.89	1696	-19	0.00	255.0	113.6	100	125.6
Jul 2003	899	14.6	641.40	1655	-41	135.15	255.0	112.0	100	124.6
Aug 2003	724	11.8	642.80	1693	38	135.10	255.0	90.8	100	125.5
Sep 2003	689	11.6	638.00	1564	-129	133.31	255.0	85.5	100	124.1
WY 2003	9176							1146.2		
Oct 2003	576	9.4	630.49	1371	-193	128.32	204.0	68.7	80	119.3
Nov 2003	567	9.5	634.00	1460	89	126.46	196.3	66.7	77	117.5
Dec 2003	537	8.7	638.71	1583	123	131.54	173.4	65.2	68	121.5
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	932	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	111.0	100	124.8
Jul 2004	902	14.7	641.50	1658	-14	134.73	255.0	112.1	100	124.3
Aug 2004	730	11.9	641.50	1658	0	134.46	255.0	91.3	100	125.0
Sep 2004	667	11.2	638.00	1564	-94	132.63	255.0	82.4	100	123.6
WY 2004	9037							1118.4		
Oct 2004	598	9.7	630.49	1371	-193	128.32	204.0	71.3	80	119.2
Nov 2004	565	9.5	634.00	1460	89	126.46	196.3	66.4	77	117.5
Dec 2004	547	8.9	638.71	1583	123	131.54	173.4	66.4	68	121.4
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	932	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	111.0	100	124.8

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 7/2003 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
* Jul 2002	811	13.2	447.00	561	-21	0.00	120.0	54.5	100	67.1
H Aug 2002	700	11.4	446.92	560	-2	0.00	120.0	47.0	100	67.2
I Sep 2002	578	9.7	447.20	565	5	0.00	113.0	39.2	94	67.8
WY 2002	7268							485.6		
S Oct 2002	500	8.1	448.20	584	19	0.00	92.0	34.5	77	69.0
T Nov 2002	392	6.6	446.88	559	-25	0.00	94.0	26.9	78	68.7
O Dec 2002	322	5.2	446.21	547	-12	0.00	103.0	21.4	86	66.5
R Jan 2003	378	6.1	445.69	537	-10	0.00	120.0	25.5	100	67.5
I Feb 2003	376	6.8	447.62	573	36	0.00	120.0	25.2	100	67.1
C Mar 2003	728	11.8	445.89	541	-32	0.00	120.0	48.5	100	66.5
A Apr 2003	800	13.4	448.60	592	50	0.00	120.0	53.8	100	67.2
L May 2003	710	11.5	448.83	596	5	0.00	120.0	48.4	100	68.3
* Jun 2003	715	12.0	448.57	591	-5	0.00	120.0	48.8	100	68.3
Jul 2003	765	12.4	448.34	586	-5	75.82	120.0	50.8	100	66.5
Aug 2003	640	10.4	447.50	570	-16	75.29	120.0	42.1	100	65.7
Sep 2003	579	9.7	446.81	557	-13	74.86	112.8	37.8	94	65.3
WY 2003	6905							463.8		
Oct 2003	478	7.8	446.31	548	-9	75.25	92.4	31.2	77	65.2
Nov 2003	382	6.4	446.00	543	-6	74.80	93.6	24.6	78	64.3
Dec 2003	352	5.7	445.80	539	-4	74.07	103.2	22.3	86	63.3
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	47.4	100	66.8
Jun 2004	715	12.0	449.60	611	0	76.93	120.0	48.1	100	67.2
Jul 2004	765	12.4	448.00	580	-31	76.15	120.0	51.0	100	66.7
Aug 2004	640	10.4	447.50	570	-10	75.13	120.0	42.0	100	65.6
Sep 2004	579	9.7	446.81	557	-13	74.55	120.0	37.7	100	65.0
WY 2004	6904							451.7		
Oct 2004	478	7.8	446.31	548	-9	75.37	90.0	31.2	75	65.4
Nov 2004	382	6.4	445.99	543	-6	74.98	90.0	24.7	75	64.5
Dec 2004	352	5.7	445.80	539	-4	74.73	90.0	22.5	75	63.9
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	47.4	100	66.8
Jun 2005	715	12.0	449.60	611	0	76.93	120.0	48.1	100	67.2

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 7/2003 Most Prob Water Supply

Thu Jul 10 15:25:42 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
* Jul 2002	406	16	27	35	19	3
H Aug 2002	397	16	19	30	17	3
I Sep 2002	213	17	15	18	10	3
Summer 2002	1016	50	61	83	45	8
S Oct 2002	218	17	8	10	3	3
T Nov 2002	209	16	3	4	0	2
O Dec 2002	276	16	3	4	0	3
R Jan 2003	345	16	3	4	0	3
I Feb 2003	326	19	4	5	0	2
C Mar 2003	334	17	2	5	1	4
Winter 2003	1708	101	22	33	4	16
A Apr 2003	254	16	12	18	11	6
L May 2003	275	48	11	20	18	5
* Jun 2003	0	0	0	0	0	0
Jul 2003	366	17	27	37	21	4
Aug 2003	363	17	27	36	20	4
Sep 2003	192	17	22	29	16	2
Summer 2003	1449	115	99	139	85	21
Oct 2003	198	17	14	19	11	4
Nov 2003	191	17	5	8	5	4
Dec 2003	197	17	4	6	4	4
Jan 2004	314	17	4	6	4	4
Feb 2004	281	16	4	6	4	3
Mar 2004	309	17	4	7	5	4
Winter 2004	1492	102	36	53	33	23
Apr 2004	235	17	8	13	10	5
May 2004	236	45	6	16	16	8
Jun 2004	321	53	9	18	19	9
Jul 2004	365	27	25	31	20	10
Aug 2004	364	27	32	38	22	10
Sep 2004	275	26	31	38	21	6
Summer 2004	1795	194	111	153	109	47
Oct 2004	241	27	25	30	17	6
Nov 2004	241	26	16	20	12	6
Dec 2004	320	27	17	21	12	6
Jan 2005	318	27	21	27	15	5
Feb 2005	257	24	22	29	16	4
Mar 2005	237	38	29	39	22	5
Winter 2005	1612	169	130	166	94	33
Apr 2005	237	37	28	41	21	6
May 2005	321	73	22	39	22	7
Jun 2005	370	81	8	18	21	8

model_run_id = 1278

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 * * * *																			
JUL	2003	1144	318	811	10955	13229	11647	24876	41	-32	1	9	10955	11647	22612	1500	887	0	35.6
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2003	1118	347	857	11187	13508	11692	25199	1118	347	857	2321	11187	11692	25199	1500	797	0	35.1
SEP	2003	1122	399	892	11592	14006	11645	25650	1122	399	892	2414	11592	11645	25650	2270	591	0	34.7
OCT	2003	1139	454	914	11664	14170	11789	25959	1139	454	914	2506	11664	11789	25959	3040	413	0	34.5
NOV	2003	1145	479	930	11699	14253	11734	25986	1145	479	930	2554	11699	11734	25986	3810	684	0	34.3
DEC	2003	1150	475	930	11765	14320	11943	26262	1150	475	930	2555	11765	11943	26262	4580	687	0	34.0
JAN	2004	1169	470	936	11903	14479	12115	26594	1169	470	936	2576	11903	12115	26594	5350	721	0	33.8
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2004	1169	470	936	11903	14479	12115	26594	592	451	377	1420	11903	12115	25439	5350	721	0	33.8
FEB	2004	1184	466	938	12341	14930	12032	26962	605	447	378	1430	12341	12032	25803	1500	604	0	33.6
MAR	2004	1190	462	933	12710	15296	11884	27180	608	442	373	1424	12710	11884	26017	1500	1025	0	33.1
APR	2004	1158	451	885	13057	15551	12082	27633	570	430	320	1320	13057	12082	26459	1500	1125	0	32.8
MAY	2004	1088	418	804	13082	15392	12588	27980	491	396	216	1103	13082	12588	26773	1500	965	0	33.6
JUN	2004	982	268	700	12309	14259	12938	27197	371	237	82	690	12309	12938	25937	1500	889	0	35.0
JUL	2004	766	81	703	11211	12760	13074	25835	136	29	43	208	11211	13074	24493	1500	918	0	35.2
* * * * C R E D I T A B L E S P A C E * * * *																			
AUG	2004	648	53	706	11060	12467	13131	25598	648	53	706	1407	11060	13131	25598	1500	765	0	34.9
SEP	2004	648	94	721	11409	12871	13037	25908	648	94	721	1462	11409	13037	25908	2270	604	0	34.5
OCT	2004	676	159	711	11634	13180	12991	26171	676	159	711	1546	11634	12991	26171	3040	434	0	34.3
NOV	2004	691	199	713	11667	13270	12853	26123	691	199	713	1603	11667	12853	26123	3810	682	0	34.2
DEC	2004	710	218	705	11720	13353	12941	26294	710	218	705	1633	11720	12941	26294	4580	698	0	34.1
JAN	2005	746	248	703	12021	13719	12829	26548	746	248	703	1697	12021	12829	26548	5350	721	0	33.9
* * * * E F F E C T I V E S P A C E * * * *																			
JAN	2005	746	248	703	12021	13719	12829	26548	509	248	431	1188	12021	12829	26039	5350	721	0	33.9
FEB	2005	778	294	713	12326	14111	12733	26844	538	294	441	1273	12326	12733	26333	1500	604	0	33.8
MAR	2005	798	346	712	12494	14351	12642	26993	555	346	439	1341	12494	12642	26478	1500	1025	0	33.4
APR	2005	799	414	663	12447	14322	13016	27338	551	414	386	1350	12447	13016	26813	1500	1125	0	33.3
MAY	2005	752	439	570	12235	13997	13521	27517	494	439	269	1203	12235	13521	26959	1500	965	0	34.5
JUN	2005	662	314	439	11245	12660	13681	26341	392	314	108	814	11245	13681	25740	1500	889	0	36.4