RECLAMATION
Managing Water in the West

BUREAU OF RECLAMATION
LOWER COLORADO REGION
BOULDER CITY, NEVADA

ACCUMULATIONS FOR NOVEMBER 2004

	GLEN CANYON		HOOVER DAM						DAVIS DAM					MWD		PARKER DAM					C.A.P.	
DAY	CFS	ACCUM. A.F.	LAKE MEAD ELEV.	HOOVER CFS	RELEASE A.F.	ACCUM.	GROSS GEN	RATE KWH/AF	LAKE MOHAVE ELEV	CFS	DAVIS RELEASE A.F.	ACCUM.	GROSS GEN	DIVER. A.F.	AT INTAKE ACCUM.	LAKE HAVASU ELEV	CFS	PARKER RELEASE A.F.	ACCUM.	GROSS GEN.	DIVER. A.F.	ACCUM. A.F.
1	8200	16264	1127.39	8665	17186	17186	6822	397	636.08	5610	11133	11133	1275	702	702	449.26	3520	6976	6976	408	3102	3102
2	8000	32132	1127.36	8202	16269	33455	6406	394	636.00	6650	13197	24330	1536	1997	2700	448.97	4490	8910	15886	567	4437	7539
3	8100	48198	1127.41	6069	12038	45493	4599	382	635.84	7060	14012	38342	1633	2448	5147	448.63	6860	13612	29498	866	5238	12778
4	8100	64264	1127.44	6624	13139	58632	5161	393	635.76	7620	15124	53466	2	2463	7611	448.52	4010	7948	37446	1	5219	17996
5	8100	80331	1127.46	6065	12029	70661	4727	393	635.56	8220	16299	69765	1925	3695	11306	448.38	4560	9053	46499	572	5222	23219
6	7200	94612	1127.54	6186	12270	82930	4659	380	635.32	8920	17686	87451	2093	3804	15110	448.30	4980	9882	56381	633	5175	28393
7	7700	109884	1127.64	8842	17537	100468	6890	393	635.29	9030	17910	105361	2114	3800	18910	448.36	4970	9855	66236	619	4842	33235
8	8400	126545	1127.62	9220	18288	118755	7337	401	635.40	8920	17692	123053	2087	3517	22427	448.34	5810	11533	77769	734	5215	38450
9	8400	143207	1127.62	8306	16474	135229	6494	394	635.40	9000	17861	140914	2110	2711	25139	448.30	5700	11306	89075	752	4945	43394
10	8300	159669	1127.70	7497	14871	150100	5839	393	635.21	9030	17907	158821	2114	3348	28487	448.22	5000	9921	98996	644	6109	49503
11	8300	176132	1127.75	7482	14841	164941	5950	401	635.20	7760	15389	174210	1799	3354	31841	448.19	4000	7932	106928	510	6093	55597
12	8200	192397	1127.82	7208	14297	179238	5680	397	635.14	7750	15362	189572	1800	3366	35207	448.10	4000	7937	114865	508	6123	61720
13	8300	208860	1127.88	6087	12074	191312	4674	387	635.08	7760	15401	204973	1800	3824	39031	447.90	5000	9910	124775	633	6117	67837
14	8200	225124	1127.95	4913	9745	201057	3556	365	634.77	8490	16831	221804	1975	3792	42823	447.64	5770	11436	136211	760	6095	73932
15	8200	241388	1127.99	6090	12079	213136	4565	378	634.26	11370	22548	244352	2675	3661	46485	447.32	7490	14854	151065	972	6087	80019
16	8200	257653	1128.01	7011	13906	227043	5403	389	633.98	11250	22311	266663	2631	2543	49027	447.10	8470	16802	167867	1097	6115	86134
17	7400	272331	1128.04	7467	14810	241853	5763	389	633.64	11420	22654	289317	2663	2940	51967	447.07	7200	14281	182148	935	6089	92223
18	8000	288198	1128.01	10470	20767	262620	8490	409	633.56	11050	21912	311229	2573	3687	55654	447.28	4450	8821	190969	534	6079	98303
19	8100	304264	1128.02	7710	15293	277913	6196	405	633.37	9860	19555	330784	2281	3800	59455	447.46	4500	8922	199891	582	6186	104489
20	8600	321322	1128.02	7165	14211	292124	5525	389	633.10	11420	22648	353432	2654	3723	63178	447.43	5980	11865	211756	769	6109	110598
21	28400	377653	1128.07	9762	19363	311487	7788	402	632.99	10410	20654	374086	2411	3598	66776	447.57	4460	8852	220608	580	6196	116795
22	39500	456000	1128.01	13534	26844	338331	11158	416	633.40	8140	16148	390234	1861	3457	70233	447.85	2940	5832	226440	327	6063	122858
23	39800	534942	1128.35	11194	22203	360534	9160	413	633.78	6370	12636	402870	1426	2809	73041	448.02	2290	4538	230978	221	6099	128957
24	37500	609322	1128.98	9471	18786	379320	7723	411	634.20	3850	7646	410516	800	2854	75896	448.47	2160	4289	235267	202	6117	135074
25	13700	636496	1129.65	7185	14252	393572	5736	402	634.37	3970	7866	418382	831	3350	79246	448.65	2890	5729	240996	324	6091	141166
26	8100	652562	1130.15	9119	18087	411659	7462	413	634.74	3860	7653	426035	802	3790	83036	448.65	3480	6907	247903	423	6091	147257
27	8100	668628	1130.33	9132	18112	429771	7436	411	635.10	4740	9399	435434	1048	3562	86598	448.41	4000	7927	255830	509	6085	153342
28	8100	684694	1130.21	14485	28731	458502	12108	421	635.86	4720	9358	444792	1053	3761	90359	448.28	4830	9571	265401	605	5359	158701
29	8100	700760	1130.19	11447	22705	481207	9402	414	635.99	9000	17842	462634	2119	3546	93905	447.90	4480	8878	274279	559	5974	164676
30	8000	716628	1130.13	10346	20520	501727	8283	404	636.02	9000	17843	480477	2117	3398	97303	447.78	5970	11840	286119	785	6087	170763
TOTAL							200993						54208							17631		

RECLAMATION
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AVAILABLE RESERVOIR ELEVATIONS AND CONTENTS FOR NOVEMBER 2004

	LAKE MEAD	LAKE MOHAVE	LAKE HAVASU	SENATOR WASH
AVAILABLE CAPACITY IN A.F.	*25877000	1809800	619400	9144
ELEVATION IN FEET	1219.6	647.0	450.0	240.0

DAY	TOTAL SYSTEM STORAGE**	TOTAL AVAILABLE SPACE	HOOVER ELEVATION FEET	HOOVER CONTENT 1000A.F.	HOOVER RELEASE ft3/s	DAVIS ELEVATION FEET	DAVIS CONTENT 1000A.F.	DAVIS RELEASE ft3/s	PARKER ELEVATION FEET	PARKER CONTENT 1000A.F.	PARKER RELEASE ft3/s	SENATOR WASH ELEVATION FEET	SENATOR WASH CONTENT A.F.	SENATOR WASH PUMPED ft3/s	SENATOR WASH RELEASE ft3/s
1	29897.6	30984.5	1127.39	14090	8660	636.08	1513.8	5610	449.26	604.6	3520	238.42	8554	0	0
2	29882.8	30999.3	1127.36	14087	8200	636.00	1511.7	6650	448.97	598.8	4490	237.41	8189	0	93
3	29883.0	30999.1	1127.41	14092	6070	635.84	1507.5	7060	448.63	592.2	6860	233.58	6881	0	659
4	29883.3	30998.8	1127.44	14095	6620	635.76	1505.5	7620	448.52	590.1	4010	230.41	5897	0	442
5	29877.3	31004.8	1127.46	14097	6060	635.56	1500.3	8220	448.38	587.4	4560	230.08	5799	266	263
6	29878.4	31003.6	1127.54	14106	6190	635.32	1494.0	8920	448.30	585.8	4980	234.89	7314	844	0
7	29892.8	30989.3	1127.64	14116	8840	635.29	1493.2	9030	448.36	587.0	4970	238.41	8551	703	0
8	29888.9	30993.1	1127.62	14114	9220	635.40	1496.1	8920	448.34	586.6	5810	237.74	8306	97	145
9	29896.4	30985.7	1127.62	14114	8310	635.40	1496.1	9000	448.30	585.8	5700	238.79	8690	281	0
10	29902.5	30979.5	1127.70	14122	7500	635.21	1491.2	9030	448.22	584.3	5000	238.08	8430	23	67
11	29909.2	30972.9	1127.75	14127	7480	635.20	1490.9	7760	448.19	583.7	4000	239.35	8900	345	0
12	29917.3	30964.7	1127.82	14134	7210	635.14	1489.3	7750	448.10	581.9	4000	239.88	9099	199	0
13	29921.8	30960.2	1127.88	14140	6090	635.08	1487.8	7760	447.90	578.1	5000	239.07	8795	32	130
14	29917.1	30964.9	1127.95	14147	4910	634.77	1479.8	8490	447.64	573.2	5770	238.37	8536	0	30
15	29903.3	30978.7	1127.99	14151	6090	634.26	1466.7	11400	447.32	567.1	7490	233.14	6738	0	911
16	29893.8	30988.2	1128.01	14153	7010	633.98	1459.5	11200	447.10	563.0	8470	230.31	5867	63	512
17	29887.2	30994.8	1128.04	14156	7470	633.64	1450.8	11400	447.07	562.4	7200	229.37	5593	70	192
18	29887.8	30994.3	1128.01	14153	10500	633.56	1448.7	11000	447.28	566.4	4450	234.23	7094	815	0
19	29888.3	30993.8	1128.02	14154	7710	633.37	1443.9	9860	447.46	569.8	4500	238.18	8467	794	0
20	29879.6	31002.5	1128.02	14154	7160	633.10	1437.0	11400	447.43	569.2	5980	239.35	8900	325	0
21	29846.9	31035.1	1128.07	14159	9760	632.99	1434.1	10400	447.57	571.9	4460	239.78	9061	168	0
22	29790.7	31091.3	1128.01	14153	13500	633.40	1444.6	8140	447.85	577.2	2940	239.92	9114	137	0
23	29769.0	31113.1	1128.35	14187	11200	633.78	1454.4	6370	448.02	580.4	2290	239.43	8929	0	0
24	29788.2	31093.8	1128.98	14251	9470	634.20	1465.1	3850	448.47	589.1	2160	239.36	8903	83	0
25	29850.0	31032.1	1129.65	14319	7190	634.37	1469.5	3970	448.65	592.6	2890	238.84	8709	0	0
26	29910.6	30971.5	1130.15	14369	9120	634.74	1479.0	3860	448.65	592.6	3480	239.94	9121	300	0
27	29933.5	30948.6	1130.33	14388	9130	635.10	1488.3	4740	448.41	588.0	4000	240.00	9144	90	0
28	29935.4	30946.7	1130.21	14375	14500	635.86	1508.1	4720	448.28	585.4	4830	239.96	9129	72	0
29	29925.4	30956.7	1130.19	14373	11400	635.99	1511.4	9000	447.90	578.1	4480	239.60	8994	38	0
30	29916.0	30966.0	1130.13	14367	10300	636.02	1512.2	9000	447.78	575.8	5970	238.37	8536	0	149
TOTAL					252870			242130			144260			5745	3593
AVE.					8430			8070			4810			192	120
AC FT					502000			480000			286000			11395	7127

* BOTTOM OF EXCLUSIVE FLOOD CONTROL SPACE
** INCLUDES FONTENELLE AND CRYSTAL RESERVOIRS

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COLORADO RIVER STORAGE PROJECT DATA (operational) FOR NOVEMBER 2004

		LAKE POWELL			FLAMING GORGE			NAVAJO			BLUE MESA			MORROW POINT		
		MAX. STORAGE 24322000 AF			MAX. STORAGE 3749000 AF			MAX. STORAGE 1696000 AF			MAX. STORAGE 829500 AF			MAX. STORAGE 117025 AF		
	COMPUTED	MAX. ELEV. 3700.0 FEET			MAX. ELEV. 6040.0 FEET			MAX. ELEV. 6085.0 FEET			MAX. ELEV. 7519.4 FEET			MAX. ELEV. 7160.0 FEET		
	INFLOW	ELEVATION	CONTENT	RELEASE	ELEVATION	CONTENT	RELEASE	ELEVATION	CONTENT	RELEASE	ELEVATION	CONTENT	RELEASE	ELEVATION	CONTENT	RELEASE
DATE	FT3/S	(FEET)	(1000 AF)	FT3/S	(FEET)	(1000 AF)	FT3/	(FEET)	(1000 AF)	FT3/S	(FEET)	(1000 AF)	FT3/S	(FEET)	(1000 AF)	FT3/S
1	10100	3570.53	9150	8200	6011.67	2700	810	6024.13	950	260	7476.40	480.5	300	7155.39	113.3	340
2	9800	3570.49	9147	8000	6011.63	2690	800	6024.21	950	250	7476.41	480.4	380	7155.32	113.3	430
3	9400	3570.53	9150	8100	6011.69	2700	800	6024.28	950	250	7476.43	480.6	310	7155.40	113.3	300
4	8700	3570.53	9150	8100	6011.71	2700	820	6024.34	950	250	7476.45	480.7	330	7155.53	113.4	300
5	8100	3570.51	9148	8100	6011.73	2700	830	6024.41	950	250	7476.50	481.1	250	7155.23	113.2	390
6	7700	3570.51	9148	7200	6011.73	2700	830	6024.47	950	250	7476.63	481.9	0	7154.50	112.6	320
7	7700	3570.54	9151	7700	6011.75	2700	830	6024.55	950	250	7476.67	482.2	250	7154.35	112.5	340
8	8000	3570.47	9145	8400	6011.77	2700	820	6024.61	960	250	7476.74	482.7	270	7154.31	112.5	310
9	7500	3570.54	9151	8400	6011.83	2700	810	6024.68	960	250	7476.77	482.8	300	7154.26	112.4	360
10	7400	3570.56	9152	8300	6011.89	2700	820	6024.77	960	250	7476.87	483.4	270	7154.33	112.5	290
11	7700	3570.57	9153	8300	6011.91	2700	810	6024.85	960	250	7476.93	483.8	230	7154.26	112.4	310
12	7700	3570.59	9155	8200	6011.97	2710	810	6024.91	960	250	7476.99	484.3	240	7154.25	112.4	290
13	7400	3570.62	9157	8300	6011.99	2710	810	6024.97	960	250	7477.11	485.2	0	7152.57	111.1	680
14	7600	3570.61	9156	8200	6012.03	2710	810	6025.03	960	250	7477.18	485.5	240	7152.57	111.1	250
15	7800	3570.61	9156	8200	6012.05	2710	810	6025.09	960	250	7477.23	485.9	240	7152.40	111.0	320
16	7800	3570.59	9155	8200	6012.09	2710	810	6025.12	960	250	7477.27	486.2	230	7152.51	111.0	200
17	7800	3570.58	9154	7400	6012.09	2710	810	6025.18	960	250	7477.40	486.9	0	7152.36	110.9	70
18	7700	3570.58	9154	8000	6012.13	2710	810	6025.24	960	250	7477.52	487.8	0	7152.35	110.9	10
19	7600	3570.58	9154	8100	6012.15	2710	810	6025.31	960	250	7477.64	488.6	0	7152.30	110.9	30
20	7500	3570.55	9152	8600	6012.17	2710	810	6025.40	960	250	7477.77	489.6	0	7152.25	110.8	20
21	7300	3570.09	9114	28400	6012.17	2710	810	6025.46	960	250	7477.90	490.4	0	7152.20	110.8	20
22	7600	3569.27	9048	39500	6012.19	2710	810	6025.52	960	250	7478.02	491.2	0	7152.05	110.7	90
23	7700	3568.41	8979	39800	6012.21	2710	810	6025.56	960	250	7478.06	491.9	0	7152.02	110.7	20
24	7300	3567.61	8915	37500	6012.23	2710	810	6025.61	970	250	7478.14	492.4	0	7151.55	110.3	200
25	7200	3567.42	8900	13700	6012.25	2710	810	6025.73	970	250	7478.17	492.6	350	7151.03	109.9	570
26	6900	3567.41	8899	8100	6012.27	2720	810	6025.83	970	250	7478.21	492.8	340	7151.20	110.0	300
27	6800	3567.40	8899	8100	6012.29	2720	810	6025.92	970	250	7478.33	493.7	0	7150.39	109.4	330
28	6700	3567.35	8895	8100	6012.31	2720	810	6026.03	970	250	7478.35	493.8	330	7150.46	109.4	330
29	6700	3567.30	8891	8100	6012.33	2720	810	6026.13	970	250	7478.38	494.0	300	7150.05	109.1	470
30	6800	3567.28	8889	8000	6012.35	2720	810	6026.25	970	250	7478.33	493.6	430	7149.03	108.3	830
TOT	232000			361300			24370			7510			5590			8720
AVE	7733			12040			810			250			190			290
A F	460200			717000			48000			14900			11100			17300

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GLEN CANYON TO HOOVER DAM LOSSES

NOVEMBER 2004

DATE	GLEN RELEASE CFS	HOOVER RELEASE CFS	LAKE MEAD STORAGE 1000 AF	STORAGE CHANGE 1000 AF	LAKE MEAD PUMPING CFS	LAKE MEAD EVAPORATION CFS	CHANGE BANK STORAGE CFS	LOSS CFS	ACCUMUL. A.F.	INFLOW CFS
1	8200	8660	14090	-4	496	867	-131	-413	-819	7880
2	8000	8200	14087	-3	496	867	-98	-367	-1546	7950
3	8100	6070	14092	5	522	867	164	-1909	-5333	10100
4	8100	6620	14095	3	522	867	98	-1615	-8536	9620
5	8100	6060	14097	2	514	867	66	-437	-9404	8510
6	7200	6190	14106	9	551	867	295	-4380	-18090	12400
7	7700	8840	14116	10	604	867	328	-7595	-33155	15700
8	8400	9220	14114	-2	409	867	-66	-2244	-37606	9420
9	8400	8310	14114	0	456	867	0	-1916	-41405	9630
10	8300	7500	14122	8	412	867	262	-4723	-50773	13100
11	8300	7480	14127	5	388	867	164	-3030	-56783	11400
12	8200	7210	14134	7	382	867	229	-3966	-64649	12200
13	8300	6090	14140	6	372	867	197	-2267	-69147	10600
14	8200	4910	14147	7	438	867	229	-1730	-72578	9970
15	8200	6090	14151	4	436	867	131	-1248	-75053	9540
16	8200	7010	14153	2	501	867	66	-1228	-77489	9450
17	7400	7470	14156	3	484	867	98	-2199	-81851	10400
18	8000	10500	14153	-3	461	867	-98	-2008	-85833	10200
19	8100	7710	14154	1	461	867	33	-2145	-90086	9570
20	8600	7160	14154	0	484	867	0	-551	-91180	8510
21	28400	9760	14159	5	493	867	164	-5709	-102503	13800
22	39500	13500	14153	-6	448	867	-197	-2980	-108414	11600
23	39800	11200	14187	34	428	867	1114	-2305	-112986	30800
24	37500	9470	14251	64	386	867	2097	-5593	-124079	45100
25	13700	7190	14319	68	383	867	2228	-5193	-134379	45000
26	8100	9120	14369	50	355	867	1639	286	-133813	37200
27	8100	9130	14388	19	360	867	623	-6887	-147474	20600
28	8100	14500	14375	-13	377	867	-426	-700	-148861	8760
29	8100	11400	14373	-2	376	867	-66	-3513	-155829	11600
30	8000	10300	14367	-6	368	867	-197	-254	-156332	8310
TOTAL	361100	252950			13363	26010			-156333	438800