

BUREAU OF RECLAMATION
 LOWER COLORADO REGION
 BOULDER CITY, NEVADA

ACCUMULATIONS FOR DECEMBER 2009

DAY	GLEN CANYON		LAKE MEAD ELEV.	HOOVER DAM					LAKE MOHAVE ELEV.	DAVIS DAM			MWD		LAKE HAVASU ELEV.	PARKER DAM			C.A.P.				
	CFS	ACCUM. A.F.		HOOVER CFS	RELEASE A.F.	ACCUM.	GROSS GEN	RATE KWH/AF		CFS	A.F.	ACCUM.	GEN	DIVER. A.F.		AT INTAKE ACCUM.	CFS	A.F.	ACCUM.	GEN.	DIVER. A.F.	ACCUM. A.F.	
1	14600	28959	1093.46	13864	27498	27498	10832	394	635.98	8000	15867	15867	1919	3497	3497	447.36	5510	10929	10929	730	4820	4820	
2	14600	57917	1093.43	12274	24346	51844	9370	385	636.32	8120	16109	31976	1966	3529	7025	447.22	5510	10920	21849	735	4869	9689	
3	14500	86678	1093.47	10720	21262	73106	8068	379	636.29	11030	21878	53854	2692	3449	10475	447.15	5500	10914	32763	718	4701	14390	
4	14400	115240	1093.57	8699	17254	90360	6428	373	635.90	11430	22679	76533	2785	3529	14003	447.15	6780	13438	46201	902	4842	19232	
5	13000	141025	1093.69	9505	18852	109212	7145	379	635.75	10880	21587	98120	2635	3473	17476	447.13	6720	13325	59526	891	4832	24063	
6	11900	164628	1093.76	10033	19900	129112	7591	381	635.57	11010	21847	119967	2659	3542	21019	447.11	6790	13461	72987	896	4834	28897	
7	15300	194975	1093.75	15866	31470	160582	12410	394	636.30	5860	11623	131590	1380	3542	24561	447.37	5030	9970	82957	641	4832	33729	
8	15400	225521	1093.66	17430	34572	195154	13639	395	637.05	7800	15468	147058	1849	3574	28136	447.21	5000	9912	92869	647	4865	38594	
9	15300	255868	1093.75	9400	18644	213798	7151	384	637.15	8010	15890	162948	1913	3487	31622	447.07	4990	9902	102771	651	4814	43408	
10	15300	286215	1093.86	9808	19454	233252	7503	386	637.19	8890	17642	180590	2132	3527	35149	447.10	4120	8163	110934	510	4782	48190	
11	15400	316760	1093.96	11031	21880	255132	8469	387	637.42	7380	14628	195218	1757	3527	38676	447.18	4000	7941	118875	512	4824	53014	
12	13700	343934	1094.10	8368	16598	271730	6309	380	637.16	9810	19456	214674	2363	3493	42169	447.05	4700	9328	128203	622	4762	57777	
13	13100	369917	1094.35	6856	13598	285328	4999	368	636.98	9800	19437	234111	2353	3187	45356	447.20	5010	9938	138141	654	4869	62646	
14	15300	400264	1094.48	9206	18260	303588	6971	382	636.93	10200	20235	254346	2451	3269	48625	447.13	6510	12903	151044	847	4860	67505	
15	15300	430612	1094.59	9205	18258	321846	6997	383	636.96	8590	17033	271379	2056	3160	51784	447.19	6020	11936	162980	791	4856	72361	
16	15500	461355	1094.68	10031	19896	341742	7626	383	636.99	8600	17056	288435	2060	3233	55018	447.21	5020	9957	172937	651	4842	77203	
17	15500	492099	1094.78	12122	24044	365786	9366	390	637.29	8000	15859	304294	1907	2711	57729	447.40	2500	4963	177900	268	4844	82046	
18	15400	522645	1094.86	11348	22508	388294	8658	385	637.54	7990	15854	320148	1890	3253	60982	447.50	4000	7928	185828	509	4770	86817	
19	13800	550016	1095.03	9433	18710	407004	7107	380	637.52	7790	15447	335595	1838	3219	64201	447.41	4520	8969	194797	558	4826	91642	
20	13200	576198	1095.19	6976	13836	420840	5145	372	637.46	7810	15497	351092	1849	3235	67436	447.22	5530	10963	205760	716	4818	96460	
21	15400	606744	1095.32	10201	20234	441074	7792	385	637.42	7790	15459	366551	1844	3263	70699	447.03	5810	11521	217281	756	4822	101282	
22	15400	637289	1095.34	11382	22576	463650	8764	388	637.88	7760	15392	381943	1838	3437	74136	446.98	5000	9912	227193	649	4808	106090	
23	15500	668033	1095.44	10857	21534	485184	8382	389	637.93	8590	17039	398982	2049	3372	77508	447.04	3500	6943	234136	433	4820	110910	
24	15500	698777	1095.57	10351	20530	505714	7945	387	638.12	8620	17090	416072	2061	3386	80894	447.27	2020	4007	238143	191	4822	115732	
25	13200	724959	1095.71	10682	21188	526902	8148	385	638.16	8220	16307	432379	1961	3410	84303	447.34	3990	7921	246064	497	4822	120553	
26	13900	752529	1095.79	11456	22722	549624	8866	390	638.39	8230	16327	448706	1965	3328	87632	447.24	5000	9924	255988	650	4820	125373	
27	13300	778909	1095.91	9326	18498	568122	7157	387	638.41	8410	16674	465380	2010	3320	90952	447.13	5510	10922	266910	722	4820	130193	
28	15500	809653	1095.92	12791	25370	593492	9959	393	638.78	8210	16294	481674	1960	3386	94338	447.20	4000	7943	274853	506	4820	135013	
29	15400	840198	1095.99	11229	22272	615764	8717	391	638.86	8220	16307	497981	1970	3324	97662	447.20	4500	8934	283787	562	4820	139833	
30	15400	870744	1096.10	7984	15836	631600	6073	384	638.89	8220	16299	514280	1969	3255	100917	447.22	4310	8541	292328	547	4824	144657	
31	15400	901289	1096.30	7077	14038	645638	5201	370	638.68	8880	17610	531890	2135	3386	104303	447.34	3520	6989	299317	427	4820	149476	
TOTAL							248789						64216							19388			

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AVAILABLE RESERVOIR ELEVATIONS AND CONTENTS FOR DECEMBER 2009

AVAILABLE CAPACITY IN A.F. ELEVATION IN FEET			LAKE MEAD *25877000 1219.6	LAKE MOHAVE 1809800 647.0			LAKE HAVASU 619400 450.0			SENATOR WASH 9144 240.0					
DAY	TOTAL SYSTEM STORAGE**	TOTAL AVAILABLE SPACE	ELEVATION FEET	HOOVER CONTENT 1000A.F.	RELEASE ft3/s	ELEVATION FEET	DAVIS CONTENT 1000A.F.	RELEASE ft3/s	ELEVATION FEET	PARKER CONTENT 1000A.F.	RELEASE ft3/s	ELEVATION FEET	SENATOR WASH CONTENT A.F.	PUMPED ft3/s	RELEASE ft3/s
1	33483.9	27398.1	1093.46	10914	13900	635.98	1511.2	8000	447.36	567.9	5510	235.74	7603	0	485
2	33469.7	27412.4	1093.43	10911	12300	636.32	1520.1	8120	447.22	565.3	5510	234.24	7097	0	219
3	33444.1	27437.9	1093.47	10915	10700	636.29	1519.3	11000	447.15	563.9	5500	233.95	7001	0	1
4	33416.7	27465.4	1093.57	10924	8700	635.90	1509.1	11400	447.15	563.9	6780	234.40	7150	0	584
5	33404.1	27478.0	1093.69	10934	9500	635.75	1505.2	10900	447.13	563.6	6720	231.92	6353	0	351
6	33390.0	27492.1	1093.76	10940	10000	635.57	1500.5	11000	447.11	563.2	6790	233.75	6936	0	307
7	33396.2	27485.9	1093.75	10939	15900	636.30	1519.6	5860	447.37	568.1	5030	234.86	7303	806	0
8	33381.2	27500.8	1093.66	10931	17400	637.05	1539.2	7800	447.21	565.1	5000	239.80	9069	1005	0
9	33361.3	27520.8	1093.75	10939	9400	637.15	1541.8	8010	447.07	562.4	4990	239.34	8896	11	0
10	33345.3	27536.7	1093.86	10949	9810	637.19	1542.9	8890	447.10	563.0	4120	238.79	8690	0	0
11	33333.3	27548.8	1093.96	10958	11000	637.42	1548.9	7380	447.18	564.5	4000	239.91	9110	308	0
12	33311.2	27570.9	1094.10	10970	8370	637.16	1542.1	9810	447.05	562.0	4700	239.80	9069	114	0
13	33307.8	27574.2	1094.35	10991	6860	636.98	1537.4	9800	447.20	564.9	5010	239.36	8903	0	0
14	33291.3	27590.8	1094.48	11003	9210	636.93	1536.1	10200	447.13	563.6	6510	235.94	7671	0	593
15	33279.1	27603.0	1094.59	11012	9210	636.96	1536.9	8590	447.19	564.7	6020	235.38	7479	0	47
16	33268.1	27613.9	1094.68	11020	10000	636.99	1537.6	8600	447.21	565.1	5020	235.77	7613	217	89
17	33263.7	27618.4	1094.78	11029	12100	637.29	1545.5	8000	447.40	568.7	2500	239.92	9114	841	0
18	33258.1	27623.9	1094.86	11036	11300	637.54	1552.1	7990	447.50	570.5	4000	239.61	8997	0	0
19	33249.1	27633.0	1095.03	11051	9430	637.52	1551.6	7790	447.41	568.8	4520	238.00	8400	0	269
20	33240.8	27641.3	1095.19	11065	6980	637.46	1550.0	7810	447.22	565.3	5530	236.48	7859	0	206
21	33226.0	27656.1	1095.32	11076	10200	637.42	1548.9	7790	447.03	561.7	5810	231.17	6124	0	855
22	33222.4	27659.6	1095.34	11078	11400	637.88	1561.0	7760	446.98	560.7	5000	227.64	5108	0	513
23	33216.9	27665.2	1095.44	11087	10900	637.93	1562.4	8590	447.04	561.9	3500	228.98	5480	286	0
24	33214.8	27667.3	1095.57	11098	10400	638.12	1567.4	8620	447.27	566.2	2020	235.66	7575	1055	0
25	33209.6	27672.5	1095.71	11110	10700	638.16	1568.5	8220	447.34	567.5	3990	239.44	8933	779	0
26	33203.2	27678.9	1095.79	11118	11500	638.39	1574.6	8230	447.24	565.6	5000	238.83	8705	0	0
27	33194.9	27687.1	1095.91	11128	9330	638.41	1575.1	8410	447.13	563.6	5510	238.79	8690	71	0
28	33184.8	27697.3	1095.92	11129	12800	638.78	1584.9	8210	447.20	564.9	4000	237.96	8386	0	60
29	33168.6	27713.4	1095.99	11135	11200	638.86	1587.1	8220	447.20	564.9	4500	236.55	7884	0	198
30	33151.3	27730.7	1096.10	11145	7980	638.89	1587.9	8220	447.22	565.3	4310	233.42	6829	0	530
31	33143.1	27738.9	1096.30	11162	7080	638.68	1582.3	8880	447.34	567.5	3520	228.99	5483	0	679
TOTAL					325560			268100			150920			5493	5986
AVE.					10500			8650			4870			177	193
AC FT					646000			532000			299000			10895	11873

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

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COLORADO RIVER STORAGE PROJECT DATA (operational) FOR DECEMBER 2009

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		
DATE	INFLOW FT3/S	ELEVATION (FEET)	CONTENT (1000 AF)	RELEASE FT3/S	ELEVATION (FEET)	CONTENT (1000 AF)	RELEASE FT3/S	ELEVATION (FEET)	CONTENT (1000 AF)	RELEASE FT3/S	ELEVATION (FEET)	CONTENT (1000 AF)	RELEASE FT3/S	ELEVATION (FEET)	CONTENT (1000 AF)	RELEASE FT3/S
1	7800	3630.98	14963	14600	6028.63	3300	1750	6053.29	1260	510	7492.71	602.6	890	7152.83	111.3	720
2	7500	3630.86	14949	14600	6028.59	3290	1750	6053.22	1260	510	7492.59	601.6	880	7153.01	111.4	820
3	7600	3630.67	14928	14500	6028.54	3290	1760	6053.15	1260	510	7492.43	600.4	830	7152.86	111.3	900
4	7500	3630.49	14908	14400	6028.49	3290	1760	6053.08	1260	520	7492.30	599.4	810	7152.85	111.3	820
5	7500	3630.37	14894	13000	6028.44	3290	1750	6053.01	1260	520	7492.14	598.1	890	7153.00	111.4	840
6	7300	3630.28	14884	11900	6028.38	3290	1690	6052.94	1260	520	7492.01	597.1	880	7152.96	111.4	900
7	6700	3630.17	14872	15300	6028.32	3280	1730	6052.92	1260	520	7491.91	596.3	890	7152.98	111.4	880
8	6600	3630.01	14854	15400	6028.25	3280	1760	6052.87	1260	520	7491.75	595.0	860	7152.82	111.3	970
9	6300	3629.81	14832	15300	6028.19	3280	1760	6052.82	1260	520	7491.64	594.2	830	7152.65	111.1	910
10	6000	3629.61	14809	15300	6028.15	3280	1750	6052.75	1260	520	7491.49	593.0	900	7153.12	111.5	720
11	6200	3629.40	14786	15400	6028.11	3280	1750	6052.69	1260	520	7491.35	591.9	880	7153.60	111.9	700
12	6100	3629.22	14766	13700	6028.06	3270	1750	6052.63	1260	520	7491.24	591.0	880	7154.01	112.2	730
13	6900	3629.05	14747	13100	6028.02	3270	1760	6052.58	1260	530	7491.13	590.2	870	7154.39	112.5	720
14	6900	3628.86	14726	15300	6027.98	3270	1760	6052.54	1260	530	7491.03	589.4	850	7154.86	112.9	670
15	7000	3628.68	14706	15300	6027.95	3270	1630	6052.49	1260	530	7490.94	588.7	760	7155.01	113.0	740
16	7200	3628.53	14689	15500	6027.93	3270	1760	6052.44	1250	530	7490.91	588.4	470	7154.60	112.7	650
17	7600	3628.34	14668	15500	6027.90	3270	1760	6052.38	1250	530	7490.85	588.0	700	7154.52	112.6	740
18	7700	3628.18	14650	15400	6027.87	3270	1760	6052.33	1250	530	7490.76	587.3	750	7154.58	112.7	750
19	7500	3628.02	14632	13800	6027.83	3270	1760	6052.27	1250	530	7490.69	586.7	630	7154.40	112.5	710
20	7300	3627.90	14619	13200	6027.79	3260	1760	6052.22	1250	530	7490.59	585.9	750	7154.38	112.5	760
21	7200	3627.74	14601	15400	6027.75	3260	1770	6052.17	1250	530	7490.55	585.6	560	7153.50	111.8	910
22	7200	3627.63	14589	15400	6027.69	3260	1770	6052.14	1250	530	7490.49	585.2	640	7153.25	111.6	750
23	7200	3627.52	14577	15500	6027.63	3260	1760	6052.09	1250	530	7490.41	584.5	690	7153.27	111.6	700
24	7200	3627.35	14558	15500	6027.59	3260	1760	6052.04	1250	530	7490.31	583.8	760	7153.23	111.6	790
25	7200	3627.21	14543	13200	6027.55	3260	1760	6051.98	1250	530	7490.20	582.9	740	7153.23	111.6	750
26	7500	3627.08	14528	13900	6027.53	3250	1760	6051.92	1250	530	7490.17	582.7	650	7153.14	111.5	680
27	7500	3626.96	14515	13300	6027.51	3250	1760	6051.85	1250	530	7490.06	581.8	720	7153.11	111.5	750
28	7300	3626.79	14496	15500	6027.49	3250	1760	6051.79	1250	530	7489.96	581.0	760	7153.27	111.6	720
29	7000	3626.61	14477	15400	6027.45	3250	1760	6051.72	1250	530	7489.86	580.3	700	7153.18	111.6	740
30	6900	3626.39	14452	15400	6027.41	3250	1770	6051.67	1250	540	7489.81	579.9	660	7153.11	111.5	720
31	6900	3626.22	14434	15400	6027.38	3250	1760	6051.61	1240	530	7489.73	579.2	750	7153.12	111.5	760
TOT	220300			454400			54300			16290			23830			23920
AVE	7106			14660			1750			530			770			770
A F	437000			901000			108000			32300			47300			47400

BUREAU OF RECLAMATION
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GLEN CANYON TO HOOVER DAM LOSSES

DECEMBER 2009

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	14600	13900	10914	-5	450	627	-164	-1272	-2522	12300
2	14600	12300	10911	-3	499	627	-98	-289	-3095	11800
3	14500	10700	10915	4	440	627	131	643	-1819	13900
4	14400	8700	10924	9	500	627	295	-84	-1987	14700
5	13000	9500	10934	10	467	627	328	-1419	-4802	16000
6	11900	10000	10940	6	405	627	197	115	-4573	14300
7	15300	15900	10939	-1	458	627	-33	-3472	-11460	16400
8	15400	17400	10931	-8	470	627	-262	-2293	-16008	14200
9	15300	9400	10939	8	418	627	262	595	-14827	14700
10	15300	9810	10949	10	372	627	328	-791	-16395	16200
11	15400	11000	10958	9	389	627	295	-1569	-19507	16800
12	13700	8370	10970	12	384	627	393	-532	-20562	15800
13	13100	6860	10991	21	251	627	688	-3606	-27715	19000
14	15300	9210	11003	12	487	627	393	-3029	-33723	16800
15	15300	9210	11012	9	401	627	295	-1946	-37583	15100
16	15500	10000	11020	8	406	627	262	-53	-37687	15300
17	15500	12100	11029	9	412	627	295	-2680	-43003	18000
18	15400	11300	11036	7	443	627	229	-668	-44327	16100
19	13800	9430	11051	15	387	627	492	-3036	-50348	18500
20	13200	6980	11065	14	309	627	459	2	-50345	15400
21	15400	10200	11076	11	404	627	360	-3317	-56925	17100
22	15400	11400	11078	2	409	627	66	-339	-57597	13500
23	15500	10900	11087	9	416	627	295	-1370	-60313	16800
24	15500	10400	11098	11	416	627	360	-1921	-64124	17300
25	13200	10700	11110	12	424	627	393	-2701	-69480	18200
26	13900	11500	11118	8	416	627	262	-1309	-72076	16800
27	13300	9330	11128	10	363	627	328	-2504	-77042	15700
28	15500	12800	11129	1	441	627	33	-473	-77980	14400
29	15400	11200	11135	6	443	627	197	-2241	-82426	15500
30	15400	7980	11145	10	402	627	328	1082	-80279	14400
31	15400	7080	11162	17	432	627	557	-1851	-83951	17300
TOTAL	454300	325510			12914	19437			-83951	488400

