

BUREAU OF RECLAMATION
 LOWER COLORADO REGION
 BOULDER CITY, NEVADA

ACCUMULATIONS FOR NOVEMBER 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.	GROSS GEN	DIVER. A.F.		AT INTAKE ACCUM.	CFS	A.F.	ACCUM.	GROSS GEN.	DIVER. A.F.	ACCUM. A.F.	
1	11400	22612	1093.29	8708	17272	17272	6643	385	634.13	11000	21817	21817	2566	3608	3608	447.96	7500	14872	14872	1002	4885	4885	
2	11800	46017	1093.26	11313	22440	39712	8662	386	634.12	11390	22582	44399	2666	3568	7176	448.01	7550	14970	29842	1018	3308	8194	
3	11800	69421	1093.21	11112	22040	61752	8522	387	634.02	11390	22584	66983	2654	3578	10754	448.05	7000	13875	43717	947	4715	12908	
4	11800	92826	1093.27	9528	18898	80650	7220	382	633.83	11400	22602	89585	2658	3646	14400	448.13	6500	12898	56615	885	4887	17796	
5	11700	116033	1093.25	12893	25572	106222	9918	388	634.00	9920	19673	109258	2294	3519	17919	448.46	4010	7948	64563	508	4887	22683	
6	11800	139438	1093.24	13107	25998	132220	10091	388	634.22	9880	19591	128849	2292	3596	21515	448.37	6990	13872	78435	953	4887	27570	
7	11200	161653	1093.27	10162	20156	152376	7763	385	634.22	10410	20647	149496	2426	3578	25093	448.26	6980	13844	92279	949	4887	32458	
8	11500	184463	1093.24	12963	25712	178088	10094	393	634.38	10420	20659	170155	2426	3586	28679	448.10	7490	14858	107137	1019	4885	37343	
9	12200	208661	1093.21	13444	26666	204754	10473	393	634.56	10590	21013	191168	2501	3568	32247	448.09	6490	12871	120008	883	4834	42177	
10	12000	232463	1093.27	8804	17462	222216	6739	386	634.49	10200	20240	211408	2416	3622	35869	448.11	6500	12883	132891	885	4631	46808	
11	11800	255868	1093.38	7258	14396	236612	5452	379	634.24	9610	19064	230472	2270	3604	39473	448.06	6000	11898	144789	812	4887	51695	
12	11800	279273	1093.41	8611	17080	253692	6569	385	634.21	9010	17863	248335	2121	3661	43135	448.23	4000	7942	152731	525	4883	56579	
13	12000	303074	1093.52	8801	17456	271148	6762	387	634.16	9010	17869	266204	2120	3594	46729	448.22	5020	9964	162695	657	4883	61462	
14	11300	325488	1093.57	9520	18882	290030	7256	384	634.22	9010	17862	284066	2120	3473	50202	448.01	7000	13886	176581	951	4883	66345	
15	11600	348496	1093.56	10542	20910	310940	8048	385	634.31	9000	17851	301917	2124	3618	53820	447.94	5530	10960	187541	736	4885	71230	
16	12000	372297	1093.57	11073	21962	332902	8562	390	634.35	9490	18820	320737	2240	3437	57257	447.83	6000	11897	199438	811	4685	75915	
17	12000	396099	1093.56	11047	21912	354814	8499	388	634.40	9490	18826	339563	2241	3574	60831	447.76	6000	11897	211335	809	4879	80795	
18	11900	419702	1093.53	11680	23168	377982	9044	390	634.56	9490	18818	358381	2222	3570	64401	447.68	6480	12855	224190	878	4834	85628	
19	11800	443107	1093.54	12138	24076	402058	9444	392	634.69	9500	18850	377231	2238	3622	68023	447.55	5990	11890	236080	799	4822	90450	
20	11900	466711	1093.55	10359	20546	422604	8104	394	634.65	9500	18849	396080	2206	3608	71631	447.41	7000	13884	249964	949	4869	95320	
21	11000	488529	1093.61	8381	16624	439228	6390	384	634.54	10240	20317	416397	2388	3602	75233	447.21	7500	14881	264845	1015	4873	100193	
22	11400	511140	1093.67	9598	19038	458266	7340	386	634.54	9800	19436	435833	2278	3594	78827	447.12	7210	14292	279137	970	4871	105064	
23	11800	534545	1093.70	10552	20930	479196	8125	388	634.66	9580	18997	454830	2231	3540	82368	447.13	5790	11479	290616	771	4871	109936	
24	11700	557752	1093.59	14947	29646	508842	11876	401	634.90	10210	20258	475088	2393	3525	85892	447.04	6020	11936	302552	799	4822	114758	
25	11600	580760	1093.53	14589	28938	537780	11476	397	635.14	10400	20633	495721	2437	3542	89435	447.10	5800	11505	314057	761	4822	119580	
26	11100	602777	1093.53	10883	21586	559366	8381	388	635.13	10200	20236	515957	2397	3535	92969	447.23	5000	9916	323973	643	4869	124449	
27	11600	625785	1093.57	9613	19068	578433	7365	386	635.14	9010	17876	533833	2103	3531	96500	447.25	5010	9938	333911	651	4869	129318	
28	10700	647008	1093.57	11870	23544	601978	9113	387	635.09	12300	24404	558237	2898	3505	100005	447.38	4490	8911	342822	586	4871	134190	
29	11000	668826	1093.59	9467	18778	620756	7222	385	635.17	9000	17845	576082	2101	3572	103577	447.66	5490	10893	353715	697	4873	139063	
30	11500	691636	1093.52	13786	27344	648100	10755	393	635.61	6810	13513	589595	1616	3531	107107	447.61	5580	11063	364778	733	4875	143939	
TOTAL							251908						69641							24604			

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AVAILABLE RESERVOIR ELEVATIONS AND CONTENTS FOR NOVEMBER 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	33790.8	27091.3	1093.29	10899	8710	634.13	1463.3	11000	447.96	579.2	7500	239.90	9106	637	0
2	33780.3	27101.7	1093.26	10897	11300	634.12	1463.1	11400	448.01	580.2	7550	236.55	7884	0	552
3	33762.1	27119.9	1093.21	10892	11100	634.02	1460.5	11400	448.05	581.0	7000	236.60	7901	198	104
4	33752.9	27129.1	1093.27	10897	9530	633.83	1455.6	11400	448.13	582.5	6500	238.65	8640	475	0
5	33750.2	27131.8	1093.25	10896	12900	634.00	1460.0	9920	448.46	588.9	4010	239.86	9091	303	0
6	33743.4	27138.7	1093.24	10895	13100	634.22	1465.7	9880	448.37	587.2	6990	240.00	9144	120	0
7	33731.7	27150.3	1093.27	10897	10200	634.22	1465.7	10400	448.26	585.0	6980	238.58	8614	0	189
8	33722.9	27159.1	1093.24	10895	13000	634.38	1469.8	10400	448.10	581.9	7490	238.19	8470	236	184
9	33711.6	27170.5	1093.21	10892	13400	634.56	1474.4	10600	448.09	581.7	6490	239.13	8817	244	0
10	33706.7	27175.3	1093.27	10897	8800	634.49	1472.6	10200	448.11	582.1	6500	239.76	9054	200	31
11	33696.4	27185.7	1093.38	10907	7260	634.24	1466.2	9610	448.06	581.2	6000	239.33	8892	0	0
12	33688.9	27193.1	1093.41	10910	8610	634.21	1465.4	9010	448.23	584.5	4000	238.96	8753	39	0
13	33686.1	27195.9	1093.52	10919	8800	634.16	1464.1	9010	448.22	584.3	5020	239.91	9110	267	0
14	33675.5	27206.6	1093.57	10924	9520	634.22	1465.7	9010	448.01	580.2	7000	239.55	8975	0	0
15	33665.3	27216.8	1093.56	10923	10500	634.31	1468.0	9000	447.94	578.9	5530	239.86	9091	196	0
16	33651.6	27230.5	1093.57	10924	11100	634.35	1469.0	9490	447.83	576.8	6000	238.02	8407	20	268
17	33636.0	27246.1	1093.56	10923	11000	634.40	1470.3	9490	447.76	575.5	6000	236.89	8003	42	230
18	33624.6	27257.4	1093.53	10920	11700	634.56	1474.4	9490	447.68	574.0	6480	232.79	6627	0	748
19	33612.0	27270.0	1093.54	10921	12100	634.69	1477.7	9500	447.55	571.5	5990	230.78	6007	2	238
20	33593.6	27288.4	1093.55	10922	10400	634.65	1476.7	9500	447.41	568.8	7000	228.63	5382	0	302
21	33578.7	27303.3	1093.61	10927	8380	634.54	1473.9	10200	447.21	565.1	7500	228.47	5338	0	0
22	33570.0	27312.1	1093.67	10932	9600	634.54	1473.9	9800	447.12	563.4	7210	233.64	6900	890	0
23	33564.5	27317.6	1093.70	10935	10600	634.66	1477.0	9580	447.13	563.6	5790	234.06	7037	94	0
24	33546.8	27335.3	1093.59	10925	14900	634.90	1483.1	10200	447.04	561.9	6020	235.08	7377	238	0
25	33537.7	27344.4	1093.53	10920	14600	635.14	1489.3	10400	447.10	563.0	5800	235.78	7616	173	0
26	33528.2	27353.9	1093.53	10920	10900	635.13	1489.1	10200	447.23	565.4	5000	238.64	8636	604	0
27	33523.4	27358.7	1093.57	10924	9610	635.14	1489.3	9010	447.25	565.8	5010	238.77	8683	139	0
28	33517.0	27365.1	1093.57	10924	11900	635.09	1488.0	12300	447.38	568.3	4490	238.83	8705	103	0
29	33513.1	27369.0	1093.59	10925	9470	635.17	1490.1	9000	447.66	573.6	5490	239.15	8825	158	0
30	33501.8	27380.2	1093.52	10919	13800	635.61	1501.6	6810	447.61	572.6	5580	238.67	8647	0	0
TOTAL					326790			297210			183920			5378	2846
AVE.					10890			9910			6130			179	95
AC FT					648000			590000			365000			10667	5645

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

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COLORADO RIVER STORAGE PROJECT DATA (operational) FOR NOVEMBER 2009

DATE	LAKE POWELL				FLAMING GORGE			NAVAJO			BLUE MESA			MORROW POINT		
	COMPUTED INFLOW FT3/S	MAX. STORAGE MAX. ELEV. 3700.0 FEET ELEVATION (FEET)	24322000 AF CONTENT (1000 AF)	RELEASE FT3/S	MAX. STORAGE MAX. ELEV. 6040.0 FEET ELEVATION (FEET)	3749000 AF CONTENT (1000 AF)	RELEASE FT3/S	MAX. STORAGE MAX. ELEV. 6085.0 FEET ELEVATION (FEET)	1696000 AF CONTENT (1000 AF)	RELEASE FT3/S	MAX. STORAGE MAX. ELEV. 7519.4 FEET ELEVATION (FEET)	829500 AF CONTENT (1000 AF)	RELEASE FT3/S	MAX. STORAGE MAX. ELEV. 7160.0 FEET ELEVATION (FEET)	117025 AF CONTENT (1000 AF)	RELEASE FT3/S
1	9700	3633.45	15243	11400	6029.67	3340	1770	6054.72	1280	510	7492.82	603.5	530	7148.16	107.7	580
2	9500	3633.39	15236	11800	6029.64	3340	1770	6054.69	1280	510	7492.83	603.5	540	7148.25	107.7	540
3	9000	3633.30	15226	11800	6029.61	3330	1770	6054.65	1280	510	7492.83	603.5	530	7148.41	107.8	500
4	8800	3633.22	15217	11800	6029.57	3330	1760	6054.62	1280	510	7492.83	603.5	510	7148.73	108.1	420
5	8900	3633.13	15206	11700	6029.55	3330	1770	6054.58	1280	510	7492.79	603.2	690	7149.77	108.9	320
6	8900	3633.05	15197	11800	6029.55	3330	1770	6054.53	1280	500	7492.76	603.0	680	7150.75	109.7	320
7	8500	3632.97	15188	11200	6029.49	3330	1770	6054.49	1280	500	7492.88	603.9	0	7149.70	108.8	460
8	8300	3632.92	15182	11500	6029.47	3330	1750	6054.44	1280	500	7492.89	604.0	490	7149.93	109.0	440
9	8700	3632.83	15172	12200	6029.41	3330	1760	6054.39	1280	500	7492.91	604.2	450	7150.10	109.2	430
10	8400	3632.77	15165	12000	6029.39	3330	1750	6054.35	1280	500	7492.88	603.9	640	7150.97	109.8	340
11	8400	3632.69	15156	11800	6029.33	3320	1750	6054.30	1280	500	7492.84	603.6	640	7151.89	110.6	320
12	8300	3632.58	15144	11800	6029.35	3320	1750	6054.23	1280	500	7492.83	603.5	600	7152.72	111.2	300
13	8200	3632.51	15136	12000	6029.29	3320	1750	6054.19	1280	500	7492.85	603.7	480	7152.92	111.4	460
14	8200	3632.42	15126	11300	6029.25	3320	1750	6054.16	1280	500	7492.99	604.8	0	7151.95	110.6	430
15	8100	3632.36	15119	11600	6029.19	3320	1750	6054.13	1270	500	7493.00	604.9	480	7152.14	110.7	440
16	8200	3632.27	15109	12000	6029.15	3320	1750	6054.09	1270	500	7492.97	604.6	480	7152.27	110.8	450
17	8500	3632.17	15097	12000	6029.11	3310	1740	6054.03	1270	500	7492.93	604.3	560	7152.45	111.0	510
18	8400	3632.09	15088	11900	6029.09	3310	1750	6053.97	1270	500	7492.89	604.0	600	7152.78	111.3	490
19	8200	3631.99	15077	11800	6029.05	3310	1750	6053.91	1270	500	7492.86	603.8	520	7152.98	111.4	480
20	8100	3631.88	15064	11900	6029.01	3310	1760	6053.85	1270	500	7492.83	603.5	590	7153.36	111.7	470
21	7800	3631.79	15054	11000	6028.97	3310	1740	6053.80	1270	500	7492.92	604.2	0	7152.26	110.8	470
22	7800	3631.71	15045	11400	6028.92	3310	1750	6053.76	1270	500	7492.93	604.3	500	7152.50	111.0	440
23	7800	3631.64	15037	11800	6028.89	3310	1760	6053.69	1270	500	7492.90	604.1	500	7152.80	111.3	420
24	7800	3631.56	15028	11700	6028.85	3300	1750	6053.63	1270	500	7492.87	603.9	500	7152.88	111.3	510
25	7900	3631.49	15020	11600	6028.82	3300	1750	6053.57	1270	510	7492.84	603.6	450	7152.85	111.3	490
26	7900	3631.41	15011	11100	6028.79	3300	1750	6053.52	1270	510	7492.82	603.5	520	7153.09	111.5	460
27	7800	3631.35	15005	11600	6028.77	3300	1750	6053.47	1270	510	7492.79	603.2	570	7153.22	111.6	520
28	7700	3631.31	15000	10700	6028.73	3300	1750	6053.42	1270	510	7492.88	603.9	0	7152.10	110.7	460
29	7600	3631.21	14989	11000	6028.71	3300	1750	6053.39	1270	510	7492.88	603.9	510	7152.32	110.9	440
30	7900	3631.10	14976	11500	6028.67	3300	1750	6053.34	1270	510	7492.84	603.6	560	7152.38	110.9	550
TOT	249300			348700			52640			15110			14120			13460
AVE	8310			11620			1750			500			470			450
A F	494500			692000			104000			30000			28000			26700

BUREAU OF RECLAMATION
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GLEN CANYON TO HOOVER DAM LOSSES

NOVEMBER 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	11400	8710	10899	2	587	745	66	-976	-1936	11100
2	11800	11300	10897	-2	547	745	-66	-1382	-4677	11500
3	11800	11100	10892	-5	574	745	-164	1683	-1339	9730
4	11800	9530	10897	5	541	745	164	-1711	-4733	13500
5	11700	12900	10896	-1	547	745	-33	-1857	-8416	13700
6	11800	13100	10895	-1	549	745	-33	-2079	-12540	13900
7	11200	10200	10897	2	563	745	66	-861	-14248	12600
8	11500	13000	10895	-2	531	745	-66	-1397	-17019	13200
9	12200	13400	10892	-3	562	745	-98	-1879	-20745	13100
10	12000	8800	10897	5	555	745	164	-1296	-23317	12800
11	11800	7260	10907	10	541	745	328	-1761	-26810	13900
12	11800	8610	10910	3	541	745	98	470	-25878	11500
13	12000	8800	10919	9	527	745	295	-3101	-32030	14900
14	11300	9520	10924	5	490	745	164	-1646	-35295	13400
15	11600	10500	10923	-1	440	745	-33	827	-33655	11100
16	12000	11100	10924	1	488	745	33	-1581	-36791	12900
17	12000	11000	10923	-1	536	745	-33	-158	-37105	11700
18	11900	11700	10920	-3	511	745	-98	697	-35722	11300
19	11800	12100	10921	1	492	745	33	-1852	-39395	13900
20	11900	10400	10922	1	475	745	33	-268	-39927	12200
21	11000	8380	10927	5	500	745	164	-496	-40911	12300
22	11400	9600	10932	5	458	745	164	-1540	-43966	13500
23	11800	10600	10935	3	441	745	98	-2396	-48718	13400
24	11700	14900	10925	-10	496	745	-328	650	-47430	10800
25	11600	14600	10920	-5	501	745	-164	-1359	-50125	13200
26	11100	10900	10920	0	511	745	0	-425	-50967	12200
27	11600	9610	10924	4	470	745	131	-1362	-53669	13000
28	10700	11900	10924	0	486	745	0	-2037	-57709	13100
29	11000	9470	10925	1	451	745	33	359	-56997	11200
30	11500	13800	10919	-6	492	745	-197	-1112	-59203	11800
TOTAL	348800	326750			15403	22350			-59203	376400

