RECLAMATION
Managing Water in the West

BUREAU OF RECLAMATION
LOWER COLORADO REGION
BOULDER CITY, NEVADA

ACCUMULATIONS FOR NOVEMBER 2013

	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	7200	14281	1103.99	9962	19760	19760	8195	415	637.70	12780	25346	25346	3052	2450	2450	448.17	5990	11886	11886	825	5846	5846
2	7200	28562	1104.04	5947	11796	31556	4812	408	637.35	9400	18645	43991	2234	2521	4971	448.30	5990	11886	23772	824	6033	11879
3	7200	42843	1104.10	5147	10210	41766	4111	403	637.00	9400	18653	62644	2225	2448	7419	448.19	6500	12884	36656	894	6030	17909
4	7200	57124	1104.08	7178	14238	56004	5792	407	636.97	9390	18630	81274	2224	2349	9768	448.21	6490	12874	49530	890	4095	22004
5	7100	71207	1104.05	7915	15700	71704	6365	405	636.75	9390	18616	99890	2218	486	10254	448.12	6990	13856	63386	966	3577	25581
6	7200	85488	1104.03	9195	18238	89942	7455	409	636.67	9900	19627	119517	2340	0	10254	448.15	7390	14665	78051	1007	3575	29156
7	7200	99769	1103.95	9906	19648	109590	8065	410	636.61	9880	19605	139122	2336	0	10254	448.32	5990	11887	89938	803	3578	32734
8	7100	113851	1103.92	8227	16318	125908	6688	410	636.45	10690	21201	160323	2523	0	10254	448.37	7400	14670	104608	1017	3933	36667
9	7200	128132	1103.95	5252	10418	136326	4164	400	636.08	10110	20050	180373	2379	1189	11443	448.32	7800	15475	120083	1071	5229	41896
10	7300	142612	1103.98	6818	13524	149850	5465	404	635.91	9690	19225	199598	2275	1526	12969	448.15	8290	16452	136535	1135	5239	47135
11	18300	178909	1103.84	11999	23800	173650	9749	410	636.07	10280	20389	219987	2418	1591	14560	448.01	7820	15508	152043	1075	5226	52361
12	35000	248331	1103.79	11795	23396	197046	9485	405	636.02	10990	21799	241786	2585	3443	18003	447.92	7340	14550	166593	1007	5234	57595
13	35000	317752	1103.97	6068	12036	209082	4766	396	635.51	12210	24209	265995	2849	3429	21432	447.96	6890	13666	180259	936	5232	62827
14	35100	387372	1104.64	4897	9714	218796	3824	394	634.90	12380	24562	290557	2874	3417	24849	448.23	5500	10904	191163	749	5302	68129
15	34100	455008	1105.34	4339	8606	227402	3292	383	634.43	11090	22003	312560	2547	3391	28240	448.31	5600	11100	202263	763	5289	73418
16	13200	481190	1106.01	3836	7608	235010	2965	390	633.90	10700	21219	333779	2437	3351	31591	448.38	5990	11888	214151	831	5235	78653
17	7200	495471	1106.61	4709	9340	244350	3713	398	633.56	9890	19617	353396	2249	3375	34966	448.49	5700	11308	225459	788	5240	83893
18	7100	509554	1106.82	8110	16086	260436	6619	411	633.51	8090	16056	369452	1826	3375	38341	448.67	4500	8926	234385	622	4406	88299
19	7200	523835	1106.83	8080	16026	276462	6509	406	633.57	8400	16668	386120	1906	3349	41690	448.50	5900	11699	246084	825	4479	92778
20	7200	538116	1106.80	11042	21902	298364	8954	409	633.79	7600	15073	401193	1716	3350	45040	448.40	5010	9930	256014	692	4505	97283
21	7200	552397	1106.65	16867	33456	331820	13686	409	634.65	7020	13930	415123	1738	2967	48007	448.58	3100	6143	262157	390	4477	101760
22	7200	566678	1106.46	15552	30846	362667	12677	411	635.29	6640	13178	428301	1516	2961	50968	448.62	3000	5959	268116	356	4404	106164
23	7200	580959	1106.49	7443	14764	377430	6033	409	635.31	7010	13896	442197	1606	3081	54049	448.70	2510	4970	273086	291	4378	110542
24	7100	595041	1106.54	6584	13060	390490	5325	408	635.27	6400	12687	454884	1459	3339	57388	448.79	2000	3962	277048	206	4482	115024
25	7200	609322	1106.40	15729	31198	421688	12913	414	635.99	5700	11304	466188	1291	3401	60789	448.86	2010	3989	281037	209	4489	119513
26	7200	623603	1106.32	14096	27960	449648	11640	416	636.67	4730	9373	475561	1061	3413	64202	448.84	2010	3993	285030	206	4445	123958
27	7200	637884	1106.27	10985	21788	471436	9002	413	637.01	5600	11108	486669	1275	3404	67606	448.70	2500	4955	289985	287	4477	128435
28	7200	652165	1106.27	8057	15980	487416	6558	410	637.23	6580	13056	499725	1527	3359	70965	448.52	3200	6349	296334	386	4450	132885
29	7200	666446	1106.30	7210	14300	501716	5843	409	637.05	7810	15498	515223	1830	3348	74313	448.42	4210	8343	304677	558	4494	137379
30	7200	680727	1106.36	5869	11642	513358	4683	402	636.95	7800	15475	530698	1827	2931	77244	448.37	4510	8936	313613	605	4503	141882
TOTAL							209348						62343							21214		

RECLAMATION
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BOULDER CITY, NEVADA

AVAILABLE RESERVOIR ELEVATIONS AND CONTENTS FOR NOVEMBER 2013

	LAKE MEAD	LAKE MOHAVE	LAKE HAVASU	SENATOR WASH
AVAILABLE CAPACITY IN A.F.	*26120000	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	29618.2	31506.8	1103.99	12094	9960	637.70	1556.3	12800	448.17	583.2	5990	236.47	7856	0	49
2	29619.6	31505.4	1104.04	12099	5950	637.35	1547.2	9400	448.30	585.9	5990	233.86	6972	0	418
3	29620.9	31504.1	1104.10	12104	5150	637.00	1537.8	9400	448.19	583.8	6500	234.65	7234	318	151
4	29617.4	31507.7	1104.08	12102	7180	636.97	1537.1	9390	448.21	584.1	6490	234.34	7130	0	0
5	29600.0	31525.0	1104.05	12100	7920	636.75	1531.3	9390	448.12	582.3	6990	232.08	6403	0	343
6	29594.8	31530.2	1104.03	12098	9200	636.67	1529.3	9900	448.15	583.0	7390	230.88	6036	0	153
7	29589.0	31536.1	1103.95	12091	9910	636.61	1527.8	9880	448.32	586.1	5990	230.06	5793	19	113
8	29581.8	31543.3	1103.92	12088	8230	636.45	1523.4	10700	448.37	587.2	7400	230.34	5876	72	0
9	29575.4	31549.6	1103.95	12091	5250	636.08	1513.8	10100	448.32	586.3	7800	229.93	5755	69	112
10	29570.0	31555.1	1103.98	12093	6820	635.91	1509.2	9690	448.15	583.0	8290	234.15	7067	715	0
11	29536.2	31588.8	1103.84	12081	12000	636.07	1513.5	10300	448.01	580.2	7820	235.94	7671	376	0
12	29470.7	31654.4	1103.79	12076	11800	636.02	1512.2	11000	447.92	578.5	7340	236.91	8010	254	0
13	29412.3	31712.8	1103.97	12092	6070	635.51	1499.1	12200	447.96	579.3	6890	236.54	7880	28	13
14	29398.2	31726.9	1104.64	12153	4900	634.90	1483.1	12400	448.23	584.5	5500	236.55	7884	71	0
15	29393.4	31731.7	1105.34	12217	4340	634.43	1471.1	11100	448.31	586.0	5600	236.33	7807	30	0
16	29428.2	31696.9	1106.01	12278	3840	633.90	1457.4	10700	448.38	587.4	5990	237.35	8167	257	0
17	29476.9	31648.1	1106.61	12333	4710	633.56	1448.7	9890	448.49	589.6	5700	237.76	8314	166	0
18	29497.4	31627.6	1106.82	12353	8110	633.51	1447.5	8090	448.67	593.1	4500	237.36	8171	30	13
19	29492.6	31632.5	1106.83	12354	8080	633.57	1448.9	8400	448.50	589.7	5900	236.94	8020	0	0
20	29493.6	31631.5	1106.80	12351	11000	633.79	1454.8	7600	448.40	587.8	5010	236.52	7873	0	0
21	29512.7	31612.4	1106.65	12337	16900	634.65	1476.8	7020	448.58	591.3	3100	236.22	7768	0	0
22	29523.4	31601.7	1106.46	12320	15600	635.29	1493.3	6640	448.62	592.1	3000	238.56	8606	499	0
23	29535.4	31589.6	1106.49	12322	7440	635.31	1493.7	7010	448.70	593.6	2510	239.40	8918	281	0
24	29545.6	31579.5	1106.54	12327	6580	635.27	1492.6	6400	448.79	595.3	2000	239.75	9050	164	0
25	29557.5	31567.5	1106.40	12314	15700	635.99	1511.5	5700	448.86	596.6	2010	239.58	8986	67	0
26	29569.4	31555.7	1106.32	12307	14100	636.67	1529.3	4730	448.84	596.3	2010	239.37	8907	59	0
27	29573.1	31552.0	1106.27	12302	11000	637.01	1538.0	5600	448.70	593.5	2500	238.10	8437	0	166
28	29575.9	31549.2	1106.27	12302	8060	637.23	1543.9	6580	448.52	590.2	3200	237.08	8070	0	126
29	29570.2	31554.9	1106.30	12305	7210	637.05	1539.2	7810	448.42	588.1	4210	234.91	7320	0	358
30	29571.0	31554.1	1106.36	12310	5870	636.95	1536.6	7800	448.37	587.3	4510	234.61	7220	0	0
TOTAL					258880			267620			158130			3475	2015
AVE.					8630			8920			5270			116	67
AC FT					513000			531000			314000			6893	3997

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

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COLORADO RIVER STORAGE PROJECT DATA (operational) FOR NOVEMBER 2013

		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	6700	3590.86	10899	7200	6015.35	2820	800	6024.17	950	250	7456.39	349.4	480	7152.74	111.2	320
2	9100	3590.89	10901	7200	6015.33	2820	800	6024.20	950	280	7456.48	349.9	310	7152.74	111.2	320
3	11100	3590.96	10908	7200	6015.33	2820	800	6024.21	950	280	7456.53	350.2	370	7152.49	111.0	500
4	6700	3590.94	10906	7200	6015.31	2820	800	6024.24	950	270	7456.64	350.9	310	7152.52	111.0	320
5	4100	3590.87	10899	7100	6015.27	2820	800	6024.25	950	270	7456.73	351.4	280	7152.57	111.1	300
6	6200	3590.84	10897	7200	6015.27	2820	800	6024.27	950	270	7456.80	351.8	300	7152.61	111.1	300
7	7200	3590.83	10896	7200	6015.27	2820	800	6024.29	950	270	7456.87	352.2	300	7152.62	111.1	300
8	6100	3590.80	10893	7100	6015.29	2820	800	6024.31	950	270	7456.99	353.0	170	7152.38	110.9	270
9	8200	3590.81	10894	7200	6015.29	2820	800	6024.33	950	270	7457.13	353.8	120	7152.09	110.7	250
10	7300	3590.80	10893	7300	6015.29	2820	800	6024.35	950	270	7457.27	354.6	140	7151.82	110.5	250
11	5900	3590.54	10869	18300	6015.31	2820	800	6024.36	950	270	7457.34	355.1	340	7152.05	110.7	250
12	2900	3589.88	10810	35000	6015.35	2820	800	6024.38	950	280	7457.35	355.1	560	7153.07	111.5	160
13	1100	3589.18	10746	35000	6015.37	2820	800	6024.39	950	270	7457.43	355.6	230	7153.26	111.6	160
14	800	3588.47	10683	35100	6015.35	2820	800	6024.40	950	250	7457.61	356.7	0	7152.92	111.4	160
15	2300	3587.81	10623	34100	6015.37	2820	800	6024.42	950	250	7457.79	357.8	0	7152.63	111.1	150
16	5000	3587.63	10607	13200	6015.41	2820	800	6024.44	950	250	7457.93	358.6	160	7152.51	111.0	250
17	7200	3587.62	10606	7200	6015.43	2820	800	6024.47	950	250	7458.09	359.6	160	7152.33	110.9	250
18	7100	3587.61	10606	7100	6015.43	2820	800	6024.49	950	250	7458.19	360.2	180	7152.39	110.9	170
19	5700	3587.57	10602	7200	6015.43	2820	800	6024.51	950	250	7458.28	360.7	230	7152.39	110.9	250
20	7200	3587.56	10601	7200	6015.43	2820	800	6024.54	950	250	7458.41	361.5	220	7152.40	111.0	250
21	10600	3587.62	10606	7200	6015.45	2820	800	6024.60	960	250	7458.54	362.3	280	7152.56	111.1	250
22	13000	3587.73	10616	7200	6015.45	2820	800	6024.68	960	260	7458.73	363.5	130	7152.30	110.9	250
23	11600	3587.81	10623	7200	6015.45	2820	800	6024.77	960	250	7458.80	363.9	300	7152.49	111.0	250
24	10100	3587.86	10628	7100	6015.47	2820	800	6024.86	960	250	7458.88	364.4	210	7152.41	111.0	250
25	10100	3587.91	10632	7200	6015.47	2820	800	6024.93	960	250	7459.01	365.2	200	7152.33	110.9	250
26	8600	3587.93	10634	7200	6015.46	2820	800	6024.98	960	250	7459.10	365.7	240	7152.33	110.9	250
27	8600	3587.95	10636	7200	6015.47	2820	800	6025.02	960	250	7459.16	366.1	240	7152.43	111.0	220
28	7700	3587.95	10636	7200	6015.47	2820	800	6025.05	960	250	7459.23	366.5	190	7152.51	111.0	200
29	6700	3587.93	10634	7200	6015.47	2820	800	6025.09	960	250	7459.31	367.0	210	7152.56	111.1	200
30	6200	3587.90	10631	7200	6015.51	2820	800	6025.11	960	250	7459.38	367.4	240	7152.72	111.2	200
TOT	211100			343200			24000			7780			7100			7500
AVE	7037			11440			800			260			240			250
A F	418700			681000			48000			15400			14100			14900

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GLEN CANYON TO HOOVER DAM LOSSES

NOVEMBER 2013

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	7200	9960	12094	-5	504	782	-164	-836	-1658	8560
2	7200	5950	12099	5	509	782	164	-2268	-6156	9930
3	7200	5150	12104	5	516	782	164	-1953	-10031	9130
4	7200	7180	12102	-2	504	782	-66	-223	-10473	7390
5	7100	7920	12100	-2	482	782	-66	-927	-12312	8110
6	7200	9200	12098	-2	471	782	-66	-2202	-16680	9380
7	7200	9910	12091	-7	546	782	-229	-361	-17397	7480
8	7100	8230	12088	-3	523	782	-98	-734	-18853	7920
9	7200	5250	12091	3	470	782	98	-934	-20706	8110
10	7300	6820	12093	2	460	782	66	-2021	-24715	9140
11	18300	12000	12081	-12	523	782	-393	324	-24073	6860
12	35000	11800	12076	-5	488	782	-164	-3131	-30283	10400
13	35000	6070	12092	16	502	782	524	2354	-25615	15900
14	35100	4900	12153	61	509	782	1999	-3940	-33429	38900
15	34100	4340	12217	64	416	782	2097	-4860	-43069	39900
16	13200	3840	12278	61	416	782	1999	-2716	-48457	37800
17	7200	4710	12333	55	423	782	1802	-1392	-51219	35400
18	7100	8110	12353	20	440	782	655	-6835	-64776	20100
19	7200	8080	12354	1	462	782	33	-2652	-70035	9860
20	7200	11000	12351	-3	473	782	-98	-3497	-76971	10600
21	7200	16900	12337	-14	455	782	-459	-3436	-83787	10600
22	7200	15600	12320	-17	357	782	-557	-386	-84553	7610
23	7200	7440	12322	2	334	782	66	-2460	-89432	9630
24	7100	6580	12327	5	347	782	164	-3190	-95759	10400
25	7200	15700	12314	-13	355	782	-426	-2636	-100988	9860
26	7200	14100	12307	-7	378	782	-229	-4367	-109650	11500
27	7200	11000	12302	-5	421	782	-164	-2316	-114243	9520
28	7200	8060	12302	0	409	782	0	-2066	-118340	9250
29	7200	7210	12305	3	410	782	98	-2858	-124009	10000
30	7200	5870	12310	5	401	782	164	-2570	-129106	9740
TOTAL	343000	258820			13504	23460			-129107	409100