09379900 LAKE POWELL AT GLEN CANYON DAM, AZ

LOCATION.--Lat 36°56'12", long 111°29'00", in sec. 24, T.41 N., R.8 E., Coconino County, Hydrologic Unit 14070006, at Glen Canyon Dam on Colorado River, 900 ft upstream from bridge on U.S. Highway 89, 1.4 mi downstream from Wahweap Creek, 2 mi northwest of Page, and 12 mi downstream from Utah-Arizona State line.

DRAINAGE AREA.--111,700 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing.

PERIOD OF RECORD.--Mar. 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1964, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete-arch gravity dam; storage began Mar. 13, 1963; dam completed Sept. 1963. Total capacity, (from capacity table computed by Bureau of Reclamations, based on a survey completed in 1985; used since Oct. 1, 1990) 26,215,000 acre-ft consisting of the following: dead storage, 1,893,000 acre-ft below elevation 3,370 ft-sill of outlet gates; usable contents, 24,322,000 acre-ft between elevations 3,370 ft and 3,700 ft-top of conservation pool. Reservoir is used for power development, to provide storage replacement for upstream irrigation development, and to meet downstream requirements under the Colorado River Compact of 1922. Figures given herein represent usable contents; prior to Oct. 1, 1968, figures of total contents were published (prior to sealing of diversion tunnel July 7, 1965, all storage was usable).

COOPERATION.--Records furnished by Bureau of Reclamation.

EXTREMES (at 2400) FOR PERIOD OF RECORD.--Maximum contents, 26,373,000 acre-ft July 14, 1983, elevation, 3,708.34 ft; minimum since power pool level was reached (Aug. 16, 1964), 4,166,000 acre-ft Mar. 18, 1965, elevation, 3,490.76 ft.

EXTREMES (at 2400) FOR CURRENT YEAR.--Maximum contents, 12,568,000 acre-ft July 12, 14, elevation, 3,608.38 ft; minimum, 7,956,000 acre-ft Apr. 8, elevation, 3,555.10 ft.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

3,610	12,730,000	3,670	19,838,000
3,622	13,976,000	3,682	21,553,000
3,634	15,306,000	3,694	23,373,000
3,646	16,723,000	3,706	25,304,000
3,658	18,232,000		

RESERVOIR STORAGE, in K AC-FT, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9172	9150	8881	8668	8471	8257	8007	8569	10605	12393	12404	12004
2	9178	9147	8875	8674	8458	8245	7997	8603	10698	12425	12391	11997
3	9180	9150	8868	8668	8447	8239	8001	8634	10774	12458	12380	11989
4	9177	9150	8864	8664	8434	8229	7992	8662	10863	12482	12368	11991
5	9179	9148	8856	8655	8421	8217	7982	8689	10947	12501	12354	11981
6	9188	9148	8845	8645	8422	8218	7971	8713	11026	12520	12339	11972
7	9186	9151	8837	8631	8411	8207	7963	8746	11101	12535	12331	11967
8	9185	9145	8827	8615	8395	8195	7956	8777	11169	12545	12312	11964
9	9189	9151	8818	8617	8382	8182	7966	8807	11235	12556	12307	11955
10	9189	9152	8808	8607	8370	8171	7977	8843	11304	12562	12296	11969
11	9186	9153	8801	8609	8358	8161	7992	8872	11368	12565	12294	11968
12	9182	9155	8794	8607	8350	8150	8007	8908	11435	12568	12284	11969
13	9179	9157	8788	8607	8353	8155	8019	8951	11492	12567	12280	11971
14	9173	9156	8779	8607	8349	8143	8033	8996	11547	12568	12269	11972
15	9169	9156	8770	8604	8343	8128	8046	9043	11598	12558	12255	11974
16	9166	9155	8766	8610	8333	8118	8061	9084	11643	12552	12248	11967
17	9161	9154	8758	8602	8323	8110	8081	9131	11683	12552	12234	11964
18	9158	9154	8753	8593	8309	8102	8105	9180	11731	12548	12221	11961
19	9155	9154	8747	8583	8303	8092	8133	9234	11781	12537	12212	11958
20	9148	9152	8740	8572	8306	8098	8167	9292	11831	12525	12195	11952
21	9142	9114	8733	8563	8300	8092	8203	9357	11886	12514	12185	11949
22	9147	9048	8725	8548	8298	8082	8238	9436	11939	12496	12174	11945
23	9145	8979	8716	8551	8293	8074	8266	9531	11988	12484	12154	11942
24	9144	8915	8706	8535	8288	8065	8308	9642	12055	12481	12136	11944
25	9142	8900	8698	8526	8278	8052	8341	9756	12115	12472	12120	11940
26	9141	8899	8686	8515	8269	8045	8380	9884	12179	12461	12103	11935
27	9142	8899	8671	8507	8275	8050	8423	10017	12231	12452	12083	11938
28	9145	8895	8665	8498	8265	8043	8464	10147	12278	12443	12070	11934
29	9143	8891	8665	8487	---	8033	8504	10277	12321	12429	12054	11932
30	9142	8889	8665	8492	---	8023	8538	10399	12360	12424	12040	11939
31	9148	---	8664	8481	---	8015	---	10509	---	12418	12022	---
TOTAL	284081	272467	271769	266141	233804	251991	244121	286689	347183	387591	379115	358843
MEAN	9164	9082	8767	8585	8350	8129	8137	9248	11573	12503	12230	11961
MAX	9189	9157	8881	8674	8471	8257	8538	10509	12360	12568	12404	12004
MIN	9141	8889	8664	8481	8265	8015	7956	8569	10605	12393	12022	11932
(*)	3570.50	3567.28	3564.42	3562.07	3559.23	3555.90	3562.81	3586.53	3606.28	3606.87	3602.83	3601.97
(**)	-21000	-259000	-225000	-183000	-216000	-250000	+523000	+1971000	+1851000	+58000	-396000	-83000

CAL YR 2004 TOTAL 3640735 MEAN 9947 MAX 11472 MIN 8664 (**) -2823000
WTR YR 2005 TOTAL 3583795 MEAN 9819 MAX 12568 MIN 7956 (**) +2770000

(*) Elevation, in feet, at end of month.
(**) Change in contents, in acre-feet.