



Water-Data Report 2006

**12191600 BAKER LAKE AT UPPER BAKER DAM NEAR CONCRETE, WA**

Puget Sound Basin  
Upper Skagit Subbasin

LOCATION.--Lat 48°38'58", long 121°41'22" referenced to North American Datum of 1927, in SW ¼ sec.31, T.37 N., R.9 E., Whatcom County, WA, Hydrologic Unit 17110005, at upper Baker Dam on Baker River near center of dam, 0.3 mi upstream from Sulphur Creek, 8.0 mi north of Concrete, and at mile 9.3.

DRAINAGE AREA.--215 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988. Prior to Oct. 1, 2004, datum of gage was 3.77 ft higher at NGVD of 1929.

REMARKS.--Records fair, except for the period Dec. 6 to June 19 which is poor. Reservoir is formed by concrete gravity dam, completed in June 1959; storage began July 9, 1959. Usable storage, 212,995 acre-ft, between elevations 658.77 ft, minimum operating pool, and 727.77 ft, normal full pool. Dead storage below elevation 658.77 ft, 67,809 acre-ft. Crest of spillway is at elevation 697.77 ft. Water used by Puget Sound Energy for power generation. Capacity table to datum of NAVD of 1988 prepared and furnished by Puget Sound Energy on the basis of a resurvey of the lake bed. Figures given herein represent total contents. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 287,930 acre-ft, July 12, 1972, elevation, 728.26 ft, present datum; minimum contents since normal operating level was reached in August 1960, 102,621 acre-ft, May 8, 1977, elevation, 678.58 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 279,415 acre-ft, June 5,6, elevation, 727.49 ft; minimum contents, 105,911 acre-ft, April 2, elevation, 680.06 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400

WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
December 31, 2004	709.77	199,534	--
September 30	712.97	212,666	--
October 31	711.05	204,714	-7,952
November 30	708.66	195,122	-9,592
December 31	710.08	200,777	+5,655
Calendar Year 2005	--	--	+1,234
January 31	697.00	153,345	-47,432
February 28	683.88	115,249	-38,096
March 31	680.36	106,621	-8,628
April 30	701.24	167,583	+60,962
May 31	723.86	261,714	+94,131
June 30	726.56	274,821	+13,107
July 31	723.66	260,760	-14,061
August 31	714.47	219,031	-41,729
September 30	709.33	197,777	-21,254
Water Year 2006	--	--	-14,889