



Water-Data Report 2007

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 mi².

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. 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, 277,976 acre-ft, July 24 elevation, 727.20 ft; minimum contents, 101,034 acre-ft, April 10, elevation, 677.93 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
December 31, 2005	710.08	200,777	--
September 30	709.33	197,777	--
October 31	707.95	192,332	-5,445
November 30	704.88	180,659	-11,673
December 31	702.80	173,087	-7,572
Calendar Year 2006	--	--	-27,690
January 31	692.47	139,193	-33,894
February 28	682.25	111,174	-28,019
March 31	682.29	111,273	+99
April 30	694.13	144,266	+32,993
May 31	716.42	227,493	+83,227
June 30	726.07	272,411	+44,918
July 31	723.40	259,519	-12,892
August 31	721.07	248,542	-10,977
September 30	719.41	240,895	-7,647
Water Year 2007	--	--	+43,118