

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 good. 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 Aug. 1960, 100,658 acre-ft, Mar. 9, 2011, elevation, 677.76 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 278,720 acre-ft, July 18, elevation, 727.35 ft; minimum contents, 103,963 acre-ft, Feb 16, elevation, 679.22 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
September 30	716.50	227,846	--
October 31	706.98	188,579	-39,267
November 30	707.76	191,597	+3,018
December 31	703.22	174,595	-17,002
Calendar Year 2011	--	--	+20,499
January 31	680.67	107,355	-67,240
February 29	684.81	117,639	+10,284
March 31	695.28	147,858	+30,219
April 30	722.83	256,808	+108,950
May 31	725.29	268,611	+11,803
June 30	726.85	276,246	+7,635
July 31	725.55	269,877	-6,369
August 31	719.80	242,678	-27,199
September 30	713.57	215,200	-27,478
Water Year 2012	--	--	-12,646