

SKAGIT RIVER BASIN

12193000 LAKE SHANNON AT CONCRETE, WA

LOCATION.--Lat 48°32'53", long 121°44'22", in SW 1/4 sec.2, T.35 N., R.8 E., Skagit County, Hydrologic Unit 17110005, at Baker Dam on Baker River near left bank, 0.7 mi north of Concrete, and at mile 1.2.

DRAINAGE AREA.--297 mi².

PERIOD OF RECORD.--November 1925 to current year.

GAGE.--Water-stage recorder; prior to Nov. 11, 1959, water-stage indicator in powerplant. Datum of gage is NGVD of 1929. Prior to March 1959, at datum 1.72 ft lower. Period August 31, 1961, to September 30, 1991, at datum 0.15 ft higher.

REMARKS.--Reservoir is formed by concrete-arch and gravity dam, completed in June 1927; storage began in November 1925. Usable storage, 142,400 acre-ft between elevations 355 ft, minimum operating pool, and 438.6 ft, normal full pool. Dead storage unknown. Spillway crest is at elevation 424.9 ft. Water used by Puget Sound Energy for power generation. Capacity table furnished by Puget Sound Energy. Prior to Nov. 11, 1959, gage-height record furnished by Puget Sound Energy from powerplant log. Figures given herein represent contents above elevation 341.7 ft, center line of outlet tunnel. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 161,470 acre-ft Sept. 17, 1968, elevation, 439.50 ft; minimum contents since October 1953, 28,260 acre-ft Mar. 6, 1969, elevation, 363.7 ft, not determined prior to October 1953 because of incomplete records.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 157,852 acre-ft Nov. 18, elevation, 437.87 ft; minimum contents, 54,490 acre-ft Sept. 27, 29, elevation, 381.91 ft.

MONTHEND GAGE HEIGHT AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	425.19	131,294	--
Oct. 31.....	437.01	155,962	+24,668
Nov. 30.....	436.19	154,174	-1,788
Dec. 31.....	427.95	136,831	-17,343
CAL YR 2001.....	--	--	+84,705
Jan. 31.....	424.45	129,830	-7,001
Feb. 28.....	431.80	144,789	+14,959
Mar. 31.....	422.23	125,476	-19,313
Apr. 30.....	424.01	128,961	+3,485
May 31.....	413.26	108,566	-20,395
June 30.....	437.17	156,314	+47,748
July 31.....	428.02	136,973	-19,341
Aug. 31.....	406.29	95,613	-41,360
Sept. 30.....	382.89	56,010	-39,603
WTR YR 2002.....	--	--	-75,284