

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 sea level. 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. Midnight elevation for Dec. 10, 11, Feb. 12, May 7, 8, June 24, Sept. 12-15, 18, 22-24, furnished by Puget Sound Energy.

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, 158,603 acre-ft Aug. 7, elevation, 438.21 ft; minimum contents, 37,367 acre-ft Feb. 28, elevation, 370.33 ft.

MONTHEND GAGE HEIGHT AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	405.25	93,700	--
Oct. 31.....	402.72	89,109	-4,591
Nov. 30.....	381.39	53,690	-35,419
Dec. 31.....	380.37	52,126	-1,564
CAL YR 2000.....	--	--	-82,222
Jan. 31.....	386.11	61,085	+8,959
Feb. 28.....	370.57	37,706	-23,379
Mar. 31.....	392.98	72,274	+34,568
Apr. 30.....	432.14	145,504	+73,230
May 31.....	435.89	153,522	+8,018
June 30.....	435.77	153,262	-260
July 31.....	437.34	156,687	+3,425
Aug. 31.....	436.85	155,613	-1,074
Sept. 30.....	425.19	131,294	-24,319
WTR YR 2001.....	--	--	+37,594