

SKAGIT RIVER BASIN

12176500 DIABLO RESERVOIR NEAR NEHALEM, WA

LOCATION.--Lat 48°42'56", long 121°07'52", in SE 1/4 sec.5, T.37 N., R.13 E. (unsurveyed), Whatcom County, Hydrologic Unit 17110005, Ross Lake National Recreation Area, at Diablo Dam on Skagit River, 1.2 mi downstream from Thunder Creek, 6.0 mi northeast of Newhalem, and at mile 101.0.

DRAINAGE AREA.--1,125 mi², includes 400 mi² in Canada.

PERIOD OF RECORD.--October 1929 to current year. October 1929 to September 1938, monthly change in reservoir contents published with records for Skagit River at Newhalem.

GAGE.--Water-stage recorder. Datum of gage is City of Seattle datum. Prior to Oct. 1, 1964, at datum 0.28 ft higher.

REMARKS.--Reservoir is formed by concrete-arch dam, completed in 1930; storage began in October 1929. Usable storage, 8,820 acre-ft between elevations 1,195 ft, normal lower limit of operation, and 1,205 ft, top of taintor gates. Dead storage, below elevation 1,040 ft, 12,900 acre-ft. Crest of spillway is at elevation 1,187 ft. Water used by City of Seattle for power development at Diablo and Gorge powerplants. Capacity table furnished by City of Seattle. Figures given herein represent total contents. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 90,600 acre-ft July 14, 1933, elevation, 1,206.5 ft; minimum contents not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 88,820 acre-ft Mar. 18, July 12, elevation, 1,204.84 ft; minimum contents, 81,686 acre-ft Aug. 20, elevation, 1,196.71 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	1203.46	87,752	--
Oct. 31.....	1202.86	87,036	-536
Nov. 30.....	1200.86	85,270	-1,766
Dec. 31.....	1202.41	86,636	+1,366
CAL YR 2001.....	--	--	+644
Jan. 31.....	1202.37	86,600	-36
Feb. 28.....	1203.24	87,374	+774
Mar. 31.....	1201.31	85,666	-1,708
Apr. 30.....	1202.25	86,494	+828
May 31.....	1199.61	84,177	-2,317
June 30.....	1203.85	87,923	+3,746
July 31.....	1202.96	87,125	-798
Aug. 31.....	1202.55	86,760	-365
Sept. 30.....	1201.62	85,939	-821
WTR YR 2002.....	--	--	-1,633