

12176500 DIABLO RESERVOIR NEAR NEHALEM, WA

Puget Sound Basin
Upper Skagit Subbasin

LOCATION.--Lat 48°42'56", long 121°07'52" referenced to North American Datum of 1927, in SE ¼ sec.5, T.27 N., R.13 E., Whatcom County, WA, Hydrologic Unit 17110005, (unsurveyed), 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.

SURFACE-WATER RECORDS

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, 89,303 acre-ft, March 12, elevation, 1,205.37 ft; minimum contents, 82,591 acre-ft, March 11, elevation, 1,197.77 ft.

MONTH-END GAGE HEIGHT AND CONTENTS AT 2400

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	1,203.46	87,572	--
October 31	1,203.87	87,941	+369
November 30	1,201.55	85,878	-2,063
December 31	1,201.73	86,036	+158
Calendar Year 2006	--	--	+141
January 31	1,201.98	86,256	+220
February 28	1,202.60	86,805	+549
March 31	1,201.95	86,230	-575
April 30	1,203.56	87,662	+1,432
May 31	1,202.40	86,627	-1,035
June 30	1,204.70	88,692	+2,065
July 31	1,203.78	87,860	-832
August 31	1,202.37	86,600	-1,260
September 30	1,201.41	85,754	-846
Water Year 2007	--	--	-1,818