



Water-Data Report 2006

**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 mi<sup>2</sup>, includes 400 mi<sup>2</sup> 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, 89,616 acre-ft, May 17, elevation, 1,205.71 ft; minimum contents, 81,906 acre-ft, Oct. 6, elevation, 1,196.97 ft.

MONTH-END GAGE HEIGHT AND CONTENTS AT 2400  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	1,202.64	86,840	--
October 31	1,200.41	84,874	-1,966
November 30	1,202.18	86,432	+1,558
December 31	1,201.57	85,895	-537
Calendar Year 2005	--	--	-528
January 31	1,201.47	85,807	-88
February 28	1,201.57	85,895	+88
March 31	1,202.26	86,502	+607
April 30	1,202.53	86,742	+240
May 31	1,202.09	86,353	-389
June 30	1,202.90	87,072	+719
July 31	1,200.97	85,367	-1,705
August 31	1,202.94	87,107	+1,740
September 30	1,203.46	87,572	+465
Water Year 2006	--	--	+732