# 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, 88,938 acre-ft, July 2, elevation, 1,204.97 ft; minimum contents, 81,498 acre-ft, July 7, elevation, 1,196.49 ft.

MONTH-END GAGE HEIGHT AND CONTENTS AT 2400

WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

| Date | Gage height (feet) | Contents (acre-feet) | Change in contents (acre-feet) |
|---|---|---|---|
| September 30 | 1,201.41 | 85,754 | -- |
| October 31 | 1,201.03 | 85,420 | -334 |
| November 30 | 1,200.63 | 85,068 | -352 |
| December 31 | 1,201.81 | 86,106 | +1,038 |
| Calendar Year 2007 | -- | -- | +70 |
| January 31 | 1,201.65 | 85,966 | -140 |
| February 29 | 1,202.87 | 87,045 | +1,079 |
| March 31 | 1,201.80 | 86,098 | -947 |
| April 30 | 1,201.02 | 85,411 | -687 |
| May 31 | 1,200.57 | 85,015 | -396 |
| June 30 | 1,202.60 | 86,805 | +1,790 |
| July 31 | 1,199.11 | 83,744 | -3,061 |
| August 31 | 1,202.03 | 86,300 | +2,556 |
| September 30 | 1,199.75 | 84,299 | -2,001 |
| Water Year 2008 | -- | -- | -1,455 |