

01083000 NUBANUSIT BROOK BELOW MACDOWELL DAM NEAR PETERBOROUGH, NH

Merrimack Basin
Contoocook Subbasin

LOCATION.--Lat 42°53'34", long 71°59'14" referenced to North American Datum of 1927, Hillsborough County, NH, Hydrologic Unit 01070003, on left bank, 300 ft downstream from Edward MacDowell reservoir, 0.4 mi north of Wilder Street and Union Street in West Peterborough, 2.1 mi northwest of Main Street and Grove Street (US 202) intersection in Peterborough, and 2.7 mi upstream from mouth on Contoocook River.

DRAINAGE AREA.--44.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: October 1920 to September 1931, July 1945 to September 1989. Monthly discharge only October and November 1920, published in WSP 1301. Record of October 1920 to September 1989, Peaks 1990 to 1997 at site 1.2 mi downstream and drainage area of 46.9 mi², published as "NUBANUSIT BROOK NEAR PETERBOROUGH, NH". Records are considered equivalent.

Partial-record station: October 1989 to current year.

Peak Streamflow: Water years 1921 to 1931, 1946 to current year.

Miscellaneous Discharge measurements: Water years 1990 to current year.

REVISED RECORDS.--WSP 561: 1921(M). WSP 1051: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 899.35 feet above National Geodetic Vertical Datum of 1929. From October 1, 1931 to September 30, 1997 at a site 1.2 miles downstream at different datum. Prior to Oct. 1, 1931, at site 550 ft further downstream at different datum.

COOPERATION.--U.S. Army Corps of Engineers, New England District.

REMARKS.--Record of peak-stage from water-stage recorder. Records do not include flow diverted to Contoocook River basin April 6-12, 1987. Flow regulated by mills and Nubanusit Lake, Edward MacDowell Reservoir since 1950, and other reservoirs upstream. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,130 ft³/s, Apr. 11, 1931, gage height, 5.59 ft, site and datum then in use, from rating curve extended above 380 ft³/s. Maximum discharge since construction of Edward MacDowell Reservoir in 1950, 853 ft³/s, Apr. 6, 2010, gage height, 6.32 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 615 ft³/s, Nov. 1, gage height, 5.64 ft.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft ³ /s
Oct 17, 2012	101
Dec 11, 2012	69.5
Mar 29, 2013	85.3
Apr 12, 2013	458
Apr 12, 2013	423
May 20, 2013	45.3
Jul 17, 2013	28.4