



Water-Data Report 2007

354356078403503 Local number WK-279, DENR Lake Wheeler Research Station MW-1D (Bedrock well).

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Metagneous Rock
Wake County, NC

LOCATION.--Lat 35°43'56", long 78°40'34" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road on North Carolina State University Research Farm. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 302 ft, diameter 6 in., cased to 47 ft, open hole from 47 to 302 ft.

DATUM.--Land-surface datum is 338.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 6-inch PVC casing, 1.84 ft above land-surface datum, June 17, 2004, to present.

PERIOD OF RECORD.--June 2001 to July 2002, November 2003 to current year. Continuous record December 2001 to July 2002, November 2003 to June 2004. Periodic measurements made by NCDENR and U.S. Geological Survey, June 2001 to August 2004.

GAGE.--Measured periodically with electric tape by USGS and NCDENR, Division of Water Quality.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Inflatable packer installed on July 16, 2001 and water-level records stored as 354356078403504 (WK-279A) and 354356078403505 (WK279B). Packer set at 75 ft below land surface. Packer removed Nov. 13, 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.28 ft below land-surface datum, August 31, 2004; lowest water level recorded, 5.94 ft below land-surface datum, July 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level
Oct 10, 2006	5.17