



Water-Data Report 2007

354356078403502 Local number WK-278, DENR Lake Wheeler Research Station MW-1I (Transition zone well).

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite
Wake County, NC

LOCATION.--Lat 35°43'56", long 78°40'35" 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 41.5 ft, diameter 4 in., cased to 31.5 ft, screened interval from 31.5 to 41.5 ft, sand filter packed from 26.5 to 42 ft.

DATUM.--Land-surface datum is 335.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 1.91 ft above land-surface datum, June 17, 2004, to present.

PERIOD OF RECORD.--July 2001 to current year. Continuous record December 2001 to June 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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft below land-surface datum, October 12, 2004; lowest water level recorded, 3.57 ft below land-surface datum, August 13, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level
Oct 10, 2006	2.44