



Water-Data Report 2007

354359078403101 Local number WK-280, DENR Lake Wheeler Research Station MW-2S (Regolith well).

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Wake County, NC

LOCATION.--Lat 35°44'00", long 78°40'31" 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 40 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 40 ft, sand filter packed from 17 to 40 ft.

DATUM.--Land-surface datum is 362 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 1.81 ft above land-surface datum, Aug. 9, 2001, to present.

PERIOD OF RECORD.--May 2001 to current year.

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

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.51 ft below land-surface datum, September 17, 2003; lowest water level measured, 30.13 ft below land-surface datum, October 3, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level
Oct 10, 2006	29.58