



Water-Data Report 2007

354356078403501 Local number WK-277, DENR Lake Wheeler Research Station MW-1S (Regolith well).

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Wake County, NC

LOCATION.--Lat 35°43'57", 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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 20 ft, sand filter packed from 5 to 20 ft.

DATUM.--Land-surface datum is 334.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 1.97 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 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 recorded, -0.38 ft below land-surface datum, July 2, 2003; lowest water level recorded, 2.71 ft below land-surface datum, Aug. 13, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level
Oct 10, 2006	1.97