



Water-Data Report 2007

354305078295801 Local number WK-336, Raleigh Hydrogeologic Research Station WC-3S (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Wake County, NC

LOCATION.--Lat 35°43'05", long 78°29'58" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, 9.3 mi east south east of Raleigh. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 28.6 ft, diameter 4 in., cased to 13.6 ft, screened interval from 13.6 to 28.6 ft, sand filter packed from 9 to 28.6 ft.

DATUM.--Land-surface datum is 209.53 ft above North American Vertical Datum of 1988. Measuring point: top of pvc casing, 2.69 ft above land-surface datum, Feb. 15, 2005, to present.

PERIOD OF RECORD.--May 2005 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, 15.05 ft below land-surface datum, May 9, 2005; lowest water level measured, 19.05 ft below land-surface datum, November 17, 2006.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Nov 17, 2006	19.05	May 1, 2007	17.07
Jan 25, 2007	18.15	Jun 21	17.42
Feb 27		Sep 13	18.78
Mar 20	17.48		

Highest: 17.07 May 01, 2007

Lowest: 19.05 Nov 17, 2006

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