



Water-Data Report 2007

**354305078295802 Local number WK-337, Raleigh Hydrogeologic Research Station WC-3I (Intermediate Zone)**

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

LOCATION.--Lat 35°43'06", 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 49 ft, diameter 4 in., cased to 34 ft, screened interval from 34 to 49 ft, sand filter packed from 22 to 53 ft.

DATUM.--Land-surface datum is 210.07 ft above North American Vertical Datum of 1988. Measuring point: Top of PVC casing, 2.69 ft above land-surface datum, February 9, 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, 15.83 ft below land-surface datum, May 9, 2005; lowest water level measured, 19.78 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	19.78	May 1, 2007	17.83
Jan 25, 2007	19.12	Jun 21	18.18
Feb 27	18.50	Sep 13	19.51
Mar 20	18.27		

Highest: 17.83 May 01, 2007

Lowest: 19.78 Nov 17, 2006

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