

**354315078300104 Local number WK-335, NCDENR Raleigh Hydrogeologic Research Station WC-2CH
near Raleigh, NC (Bedrock)**

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Intrusive Igneous Rock

Wake County, NC

LOCATION.--Lat 35°43'16", long 78°29'59" 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 85 ft, diameter 4 in., cased to 70 ft, screened interval from 70 ft to 85 ft, sand filter packed from 65 ft to 85 ft.

DATUM.--Land-surface datum is 199.25 ft above North American Vertical Datum of 1988. Measuring point: top of PVC casing, 2.72 ft above land-surface datum, May 2, 2006, to present.

PERIOD OF RECORD.--May 2005 to current year. Continuous record May 2006 to January 2007.

GAGE.--Measured periodically with electric and steel tape by NCDENR, Division of Water Quality and USGS. Water-level recorder collecting data at 60-minute intervals.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.22 ft below land-surface datum, May 9, 2005; lowest water level recorded, 24.59 ft below land-surface datum, September 2, 2008

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 2, 2007	23.57	May 16, 2008	22.90
7	23.57	Jun 24	23.18
Jan 28, 2008	24.24	Sep 2	24.59
May 1	23.18		

Highest: 22.90 May 16, 2008

Lowest: 24.59 Sep 02, 2008

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