



Water-Data Report 2007

354305078295803 Local number WK-338, Raleigh Hydrogeologic Research Station WC-3D (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Intrusive Igneous Rock
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 300 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 to 300 ft, diameter 6 in.

DATUM.--Land-surface datum is 209.64 ft above North American Vertical Datum of 1988. Measuring point: top of pvc casing, 2.75 ft above land-surface datum, Jan. 13, 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, 15.96 ft below land-surface datum, May 9, 2005; lowest water level measured, 19.79 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	19.79	May 1, 2007	18.00
Feb 27, 2007	18.64	Jun 21	18.32
Mar 20	18.40	Sep 13	19.59

Highest: 18.00 May 01, 2007

Lowest: 19.79 Nov 17, 2006

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