



Water-Data Report 2008

**353704079451205 Local number RA-171, NCDENR North Carolina Zoo Research Station CH-1 near Asheboro, NC (Corehole)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Metavolcanic Rock  
Randolph County, NC

LOCATION.--Lat 35°37'04", long 79°45'12" referenced to North American Datum of 1983, Randolph County, NC, Hydrologic Unit 03030003, 6 mi southeast of Asheboro, on Panther Creek Road at the North Carolina Zoo. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 185 ft, diameter 3.5 in., cased to 32 ft, open hole from 32 ft to 185 ft.

DATUM.--Land-surface datum is 598.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 3.17 ft above land-surface datum.

PERIOD OF RECORD.--April 2007 to current year.

GAGE.--Measured periodically with electric tape by NCDENR and USGS.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.23 ft below land-surface datum, April 15, 2007; lowest water level recorded, 7.50 ft below land-surface datum, September 20, 2007.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Oct 31, 2007	6.19	May 30, 2008	4.23
Jan 30, 2008	4.5	Jun 30	6.61
Feb 29	3.93	Jul 31	7.23
Mar 31	3.42	Sep 5	7.30
Apr 26	3.80	30	6.00

Highest: 3.42 Mar 31, 2008

Lowest: 7.30 Sep 05, 2008

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