



Water-Data Report 2009

**353712079452704 Local number RA-173, NCDENR NORTH CAROLINA ZOO RESEARCH STATION, CH-3
NEAR ASHEBORO, NC (COREHOLE)**

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

LOCATION.--Lat 35°37'12", long 79°45'27" referenced to North American Datum of 1983, Randolph County, NC, Hydrologic Unit 03030003, 6 mi southeast of Asheboro at the North Carolina Zoo. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 175 ft, diameter 3.5 in., cased to 53 ft, open hole from 53 ft to 175 ft.

DATUM.--Land-surface datum is 665.53 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of steel casing, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--April 2007 to September 2009 (discontinued).

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

REMARKS.--Well is part of Piedmont/Mountains groundwater study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.23 ft below land-surface datum, April 15, 2007; lowest water level recorded, 28.23 ft below land-surface datum, November 26, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 31, 2008	28.06	Apr 30, 2009	23.98
Nov 26	28.23	May 29	24.00
Dec 30	27.33	Jun 30	24.34
Jan 30, 2009	26.53	Jul 31	25.51
Feb 27	26.20	Aug 31	26.32
Mar 30	24.62		

Highest: 23.98 Apr 30, 2009

Lowest: 28.23 Nov 26, 2008

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