



Water-Data Report 2009

**353708079452104 Local number RA-172, NCDENR NORTH CAROLINA ZOO RESEARCH STATION, CH-2
NEAR ASHEBORO, NC (COREHOLE)**

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

LOCATION.--Lat 35°37'08", long 79°45'21" 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 98 ft, diameter 3.5 in., cased to 40 ft, open hole from 40 ft to 98 ft.

DATUM.--Land-surface datum is 638.97 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of protective steel casing, 3.38 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, 23.78 ft below land-surface datum, April 15, 2007; lowest water level recorded, 33.00 ft below land-surface datum, November 1, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 31, 2008	32.12	Apr 30, 2009	25.85
Nov 26	32.19	May 29	25.93
Dec 30	31.09	Jun 30	25.65
Jan 30, 2009	29.47	Jul 31	28.11
Feb 27	28.63	Aug 31	30.55
Mar 30	27.40		

Highest: 25.65 Jun 30, 2009

Lowest: 32.19 Nov 26, 2008

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