



Water-Data Report 2009

**353704079451204 Local number RA-164, NCDENR NORTH CAROLINA ZOO RESEARCH STATION, MW-1D
NEAR ASHEBORO, NC (BEDROCK)**

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

LOCATION.--Lat 35°37'04.07", long 79°45'11.90" 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).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6.25 in., cased to 85 ft, open hole from 85 ft to 300 ft.

DATUM.--Land-surface datum is 598.12 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of protective steel casing, 3.01 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, 1.45 ft below land-surface datum, April 15, 2007; lowest water level recorded, 6.48 ft below land-surface datum, September 20, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 31, 2008	4.87	Apr 30, 2009	3.01
Nov 26	4.40	May 29	3.03
Dec 30	3.11	Jun 30	4.25
Jan 30, 2009	3.13	Jul 31	3.85
Feb 27	3.16	Aug 31	4.91
Mar 30	2.21		

Highest: 2.21 Mar 30, 2009

Lowest: 4.91 Aug 31, 2009

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