



Water-Data Report 2009

**353708079452101 Local number RA-165, NCDENR NORTH CAROLINA ZOO RESEARCH STATION, MW-2S  
NEAR ASHEBORO, NC (REGOLITH)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Randolph County, NC

LOCATION.--Lat 35°37'07.70", long 79°45'20.51" 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 35 ft, diameter 4 in., cased to 25 ft, screened from 25 ft to 35 ft.

DATUM.--Land-surface datum is 637.05 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of protective steel casing, 2.91 ft above land-surface datum.

PERIOD OF RECORD.--April 2007 to September (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, 23.76 ft below land-surface datum, April 15, 2007; lowest water level recorded, 33.77 ft below land-surface datum, October 30, 2007.

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

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Oct 31, 2008	33.06	Apr 30, 2009	28.21
Nov 26	33.17	May 29	28.12
Dec 30	32.29	Jun 30	28.88
Jan 30, 2009	30.93	Jul 31	30.36
Feb 27	30.32	Aug 31	31.40
Mar 30	29.27		

Highest: 28.12 May 29, 2009

Lowest: 33.17 Nov 26, 2008

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