



Water-Data Report 2009

**353708079452102 Local number RA-166, NCDENR NORTH CAROLINA ZOO RESEARCH STATION, MW-21
NEAR ASHEBORO, NC (TRANSITION ZONE)**

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone

Randolph County, NC

LOCATION.--Lat 35°37'07.80", long 79°45'20.54" 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 58 ft, diameter 4 in., cased to 38 ft, screened from 38 ft to 58 ft.

DATUM.--Land-surface datum is 637.68 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of protective steel casing, 3.15 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, 26.82 ft below land-surface datum, April 15, 2007; lowest water level recorded, 34.05 ft below land-surface datum, November 1, 2007.

REVISIONS.--The lowest water level for period of record has been revised to 34.05 ft, November 1, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 31, 2008	33.54	Apr 30, 2009	29.17
Nov 26	33.68	May 29	29.33
Dec 30	32.72	Jun 30	30.07
Jan 30, 2009	31.59	Jul 31	31.44
Feb 27	31.09	Aug 31	32.35
Mar 30	30.03		

Highest: 29.17 Apr 30, 2009

Lowest: 33.68 Nov 26, 2008

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