

Water-Data Report 2008

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).

GROUND-WATER 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. Measuring point: top of steel casing, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--April 2007 to current year.

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

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.23 ft below land-surface datum, April 15, 2007; lowest water level recorded, 27.74 ft below land-surface datum, September 5, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 30, 2007	26.73	May 30, 2008	23.60
Jan 30, 2008	26.64	Jun 30	25.09
Feb 29	25.86	Jul 31	26.34
Mar 31	24.86	Sep 5	27.74
Apr 26	24.17	30	27.63

Highest: 23.60 May 30, 2008

Lowest: 27.74 Sep 05, 2008

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