



Water-Data Report 2007

353712079452704 Local number RA-173, DENR North Carolina Zoo Research Station CH-3 (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 4 in., cased to 53 ft, open hole from 53 to 175 ft.

DATUM.--Land-surface datum is 665.53 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of protective steel casing, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--April 2007 to September 2007.

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, 26.45 ft below land-surface datum, September 20, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 15, 2007	20.23	Jul 17, 2007	23.71
May 22	20.79	Aug 31	25.65
Jun 20	22.47	Sep 20	26.45

Highest: 20.23 Apr 15, 2007

Lowest: 26.45 Sep 20, 2007

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