



Water-Data Report 2007

353704079451202 Local number RA-162, DENR North Carolina Zoo Research Station MW-1UI (Transition zone well)

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone

Randolph County, NC

LOCATION.--Lat 35°37'04.53", long 79°45'11.94" referenced to North American Datum of 1983, Randolph County, NC, Hydrologic Unit 03030003, 6 mi southeast of Asheboro at the North Carolina Zoo, on Panther Creek Road. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 43 ft, diameter 4 in., cased to 28 ft, screened from 28 to 43 ft.

DATUM.--Land-surface datum is 599.25 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of protective steel casing, 3.00 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, 3.19 ft below land-surface datum, April 15, 2007; lowest water level recorded, 8.89 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	3.19	Jul 17, 2007	7.31
May 17	5.28	Aug 31	8.80
22	5.74	Sep 20	8.89
Jun 20	6.02		

Highest: 3.19 Apr 15, 2007

Lowest: 8.89 Sep 20, 2007

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