



Water-Data Report 2007

**353148080524702 Local number IR-155, DENR Langtree Research Station MW-5I (Transition zone well)**

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'48", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed from 18 to 35 ft.

DATUM.--Land-surface datum is 785.07 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 4-inch PVC casing, 0.21 ft above land-surface datum, May 15, 2001, to present.

PERIOD OF RECORD.--May 2001 to current year.

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality and USGS)

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.45 ft below land-surface datum, June 23, 2003; lowest water level measured, 25.05 ft below land-surface datum, October 18, 2002.

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

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Apr 13, 2007	20.77	Jul 26, 2007	22.29
May 14	20.99	Aug 16	22.67
Jun 19	21.56	Sep 14	22.77

Highest: 20.77 Apr 13, 2007

Lowest: 22.77 Sep 14, 2007

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