



Water-Data Report 2007

**353151080524604 Local number IR-160, DENR Langtree Research Station MW-6IB (Transition zone well)**

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'52", long 80°52'46" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 to 30 ft, sand filter packed from 12 to 30 ft.

DATUM.--Land-surface datum is 765.73 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 4-inch PVC casing, flush mounted, 0.27 ft below land-surface datum, March 4, 2002, to present.

PERIOD OF RECORD.--March 2002 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, 6.68 ft below land-surface datum, March 27, 2003; lowest water level measured, 12.59 ft below land-surface datum, September 14, 2007.

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

Date	Water level	Date	Water level
Apr 13, 2007	9.83	Aug 16, 2007	11.44
May 14	9.01	Sep 14	12.59
Jun 19	9.99		

Highest: 9.01 May 14, 2007

Lowest: 12.59 Sep 14, 2007

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