



Water-Data Report 2007

353157080525301 Local number IR-148, DENR Langtree Research Station MW-3S (Regolith well)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'57", long 80°52'53" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .5 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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 15 ft, sand filter packed from 4 to 20 ft.

DATUM.--Land-surface datum is 761.96 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of PVC casing, well is flush mounted, 0.40 ft below land-surface datum, January 24, 2001, to present.

PERIOD OF RECORD.--February 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, 3.18 ft below land-surface datum, March 27, 2003; lowest water level measured 9.14 ft below land-surface datum, December 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 13, 2007	6.31	Aug 16, 2007	7.87
May 14	5.42	Sep 14	9.03
Jun 19	5.79		

Highest: 5.42 May 14, 2007

Lowest: 9.03 Sep 14, 2007

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