



Water-Data Report 2007

353148080524701 Local number IR-154, DENR Langtree Research Station MW-5S (Regolith 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 20 ft, diameter 4 in., cased to 10 ft, screened interval from 10 to 20 ft, sand filter packed from 8 to 20 ft.

DATUM.--Land-surface datum is 786.18 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 4-inch PVC casing, well is flush mounted, 0.04 ft below 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.--Well dry during periodic water-level measurements May 2001 to May 2003, January 2004 to September 2007. Highest water level measured, 17.24 ft below land-surface datum, June 23, 2003; lowest water level measured, 19.83 ft below land-surface datum, November 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: D, site was dry (no water level was recorded).]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Apr 13, 2007		T	D	Jul 26, 2007		T	D
May 14		T	D	Aug 16		T	D
Jun 19		T	D	Sep 14		T	D