



Water-Data Report 2007

353141080524701 Local number IR-145, DENR Langtree Research Station MW-1S (Regolith well)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'41", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 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 38 ft, diameter 4 in., cased to 28 ft, screened interval from 28 to 38 ft, sand filter packed from 26 to 38 ft.

DATUM.--Land-surface datum is 812.57 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 4-inch PVC casing, 2.50 ft above land-surface datum, April 11, 2001, to present.

PERIOD OF RECORD.--January 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 January 2001 to June 2003 and January 2006 to June 2006. Highest water level measured, 33.06 ft below land-surface datum, November 7, 2003; lowest water level measured, 37.65 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	35.89	Jul 26, 2007	36.60
May 14	35.58	Aug 16	37.05
Jun 19	35.71	Sep 14	37.65

Highest: 35.58 May 14, 2007

Lowest: 37.65 Sep 14, 2007

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