



Water-Data Report 2008

353148080524701 Local number IR-154, NCDENR Langtree Research Station MW-5S near Davidson, NC (Regolith)

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. Measuring point: top of 4-inch PVC casing, 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.--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. Well dry during periodic water-level measurements May 2001 through March 2003, January 2004 to September 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	Dry	May 30, 2008	Dry
28	Dry	Jun 30	Dry
Dec 20	Dry	Jul 18	Dry
Jan 29, 2008	Dry	Aug 15	Dry
Mar 28	Dry	Sep 29	Dry
Apr 21	Dry		

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