



Water-Data Report 2009

**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.

**GROUNDWATER 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 NGVD of 1929, (levels by NCDENR). Measuring point: Top of 4 in. PVC casing, 0.04 ft above land-surface datum.

PERIOD OF RECORD.--May 2001 to September 2009 (discontinued).

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality, and USGS)

REMARKS.--Well is part of Piedmont/Mountains groundwater study.

EXTREMES FOR PERIOD OF RECORD.--Well dry during periodic water-level measurements May 2001 through March 2003, January 2004 to September 2009. 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
Nov 18, 2008		T	D	Apr 14, 2009		T	D
Dec 9		T	D	Jun 1		T	D
Jan 13, 2009		T	D	Jul 6		T	D
Feb 25		T	D	Aug 24		T	D
Mar 30		T	D				

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