



Water-Data Report 2009

353141080524701 Local number IR-145, NCDENR LANGTREE RESEARCH STATION MW-1S NEAR DAVIDSON, NC (REGOLITH)

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.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.-- Drilled observation well, depth 38 ft, diameter 4 in., cased to 28 ft, screened interval from 28 ft to 38 ft, sand filter packed from 26 ft to 38 ft.

DATUM.-- Land-surface datum is 812.57 ft above NGVD of 1929, (levels by NCDENR). Measuring point: top of 4 in. PVC casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--January 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 January 2001 through May 2003 and January through April 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. Dry well from January 2008 to current year.

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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