



Water-Data Report 2009

353151080524601 Local number IR-157, NCDENR LANGTREE RESEARCH STATION MW-6S NEAR DAVIDSON, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'51", long 80°52'46" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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 18 ft, diameter 4 in., cased to 8 ft, screened interval from 8 ft to 18 ft, sand filter packed from 6 ft to 18 ft.

DATUM.--Land-surface datum is 765.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, .28 ft below land-surface datum, May 15, 2001, to present

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.--Highest water level measured, 6.37 ft below land-surface datum, March 27, 2003; lowest water level measured, 12.83 ft below land-surface datum, November 28 and December 20, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	8.70	Apr 14, 2009	7.29
Dec 9	9.38	Jun 1	6.98
Jan 13, 2009	9.16	Jul 6	8.10
Feb 25	10.18	Aug 24	9.31
Mar 30	8.00		

Highest: 6.98 Jun 01, 2009

Lowest: 10.18 Feb 25, 2009

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