



Water-Data Report 2008

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.

GROUND-WATER 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-inch PVC casing, .28 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, 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 1, 2007	12.61	Mar 28, 2008	8.11
28	12.83	Apr 21	7.98
Dec 20	12.83	May 30	7.80
Jan 29, 2008	12.18	Sep 29	8.55

Highest: 7.80 May 30, 2008

Lowest: 12.83 Nov 28, 2007 Dec 20, 2007

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