



Water-Data Report 2009

353157080525302 Local number IR-149, NCDENR LANGTREE RESEARCH STATION MW-3I NEAR DAVIDSON, NC (TRANSITION ZONE)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'57", long 80°52'53" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .5 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 73 ft, diameter 4 in., cased to 43 ft, screened interval from 43 ft to 73 ft, native fill from 10 ft to 73 ft.

DATUM.--Land surface datum is 762.92 ft above NGVD of 1929, (levels by NCDENR). Measuring point: Top of 4 in. PVC casing, 0.26 ft below land surface datum.

PERIOD OF RECORD.--February 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. Possible well construction problems. Monitored zone may be connected to overlying regolith.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.08 ft below land-surface datum, Mar. 27, 2003; lowest water level measured 10.57 ft below land surface datum, November 28, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Dec 9, 2008	7.11	Apr 14, 2009	4.96
Jan 13, 2009	6.80	Jul 6	5.46
Feb 25	8.08	Aug 24	5.91
Mar 30	5.92		

Highest: 4.96 Apr 14, 2009

Lowest: 8.08 Feb 25, 2009

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