



Water-Data Report 2009

353157080525301 Local number IR-148, NCDENR LANGTREE RESEARCH STATION MW-3S NEAR DAVIDSON, NC (Regolith)

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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 ft to 15 ft, sand filter packed from 4 ft to 20 ft.

DATUM.--Land-surface datum is 761.96 ft above NGVD of 1929, (levels by NCDENR). Measuring point: top of 4 in. PVC casing, 0.40 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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.18 ft below land-surface datum, March 27, 2003; lowest water level measured 9.60 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	6.13	Apr 14, 2009	4.20
Jan 13, 2009	5.97	Jun 1	3.60
Feb 25	6.89	Jul 6	4.81
Mar 30	4.85	Aug 24	6.00

Highest: 3.60 Jun 01, 2009

Lowest: 6.89 Feb 25, 2009

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