



Water-Data Report 2009

353141080524702 Local number IR-146, NCDENR LANGTREE RESEARCH STATION MW-1I NEAR DAVIDSON, NC (TRANSITION ZONE)

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 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 ft to 53 ft, sand filter packed from 34 ft to 53 ft.

DATUM.--Land-surface datum is 812.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 2.42 ft above land-surface datum, April 11, 2001, to present.

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.--Highest water level measured, 33.03 ft below land-surface datum, November 7, 2003, May 23, 2005; lowest water level measured, 41.89 ft below land-surface datum, November 22, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	41.33	Apr 14, 2009	39.75
Dec 9	41.39	Jun 1	39.05
Jan 13, 2009	41.30	Jul 6	38.49
Feb 25	40.55	Aug 24	38.21
Mar 30	40.01		

Highest: 38.21 Aug 24, 2009

Lowest: 41.39 Dec 09, 2008

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