



Water-Data Report 2009

353148080524702 Local number IR-155, NCDENR LANGTREE RESEARCH STATION MW-5I NEAR DAVIDSON, NC (TRANSITION ZONE)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'48", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 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 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 ft to 35 ft, sand filter packed from 18 ft to 35 ft.

DATUM.--Land-surface datum is 785.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF 4-INCH PVC CASING, 0.21 ft above 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, 16.45 ft below land-surface datum, June 23, 2003; lowest water level measured, 25.05 ft below land-surface datum, October 18, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	23.63	Apr 14, 2009	21.54
Dec 9	23.59	Jun 1	20.94
Jan 13, 2009	22.63	Jul 6	20.48
Feb 25	22.72	Aug 24	21.51
Mar 30	21.93		

Highest: 20.48 Jul 06, 2009

Lowest: 23.63 Nov 18, 2008

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