



Water-Data Report 2009

353148080524703 Local number IR-156, NCDENR LANGTREE RESEARCH STATION MW-5D NEAR DAVIDSON, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Intrusive Igneous Rock

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 400 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 ft to 400 ft.

DATUM.--Land-surface datum is 784.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF PROTECTIVE STEEL CASING, 1.37 ft above land-surface datum, May 15, 2001, to present.

PERIOD OF RECORD.--May 2001 to September 2009 (discontinued). Continuous record December 2001 through September 2002.

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, 23.89 ft below land-surface datum, June 23, August 7, 2003; lowest water level recorded, 31.95 ft below land-surface datum, December 5, 2001.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	27.53	Apr 14, 2009	25.68
Dec 9	27.38	Jun 1	25.12
Jan 13, 2009	27.28	Jul 6	27.85
Feb 25	27.98	Aug 24	27.78
Mar 30	25.61		

Highest: 25.12 Jun 01, 2009

Lowest: 27.98 Feb 25, 2009

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