



Water-Data Report 2009

353151080524603 Local number IR-159, NCDENR LANGTREE RESEARCH STATION MW-6D NEAR DAVIDSON, NC (BEDROCK)

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

Iredell County, NC

LOCATION.--Lat 35°31'52", long 80°52'46" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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., steel cased to 43 ft, initially open hole from 43 ft to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 ft to 400 ft.

DATUM.--Land-surface datum is 765.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC liner - flush mounted, 0.29 ft below land-surface datum, December 1, 2001, to present.

PERIOD OF RECORD.--May 2001 to September 2009 (discontinued). Continuous record March 2002 to May 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, 5.60 ft below land-surface datum, March 27, 2003; lowest water level measured, 13.43 ft below land-surface datum, August 16, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	9.31	Apr 14, 2009	7.41
Dec 9	9.10	Jun 1	6.84
Jan 13, 2009	9.00	Jul 6	9.03
Feb 25	9.70	Aug 24	9.50
Mar 30	7.33		

Highest: 6.84 Jun 01, 2009

Lowest: 9.70 Feb 25, 2009

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