



Water-Data Report 2009

355427080493703 Local number IR-175, NCDENR ALLISON WOODS RESEARCH STATION, MW-4D, NEAR TURNERSBURG, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss
Iredell County, NC

LOCATION.--Lat 35°54'27.84", long 80°49'37.20" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U.S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 45 ft, open hole from 45 ft to 300 ft.

DATUM.--Land-surface datum is 830 ft above sea level. Measuring point: Top of PVC casing, 3.34 ft above land-surface datum.

PERIOD OF RECORD.--May 2006 to September 2009 (discontinued). Continuous record January 2008 to October 2008.

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality). Water-level recorder collecting data at 15-minute intervals.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.71 ft below land-surface datum, May 12, 2006; lowest water level measured, 9.49 ft below land-surface datum, September 30, 2009.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	9.31	Mar 16, 2009	8.66
Nov 13	9.26	Apr 27	9.04
Dec 9	9.27	Jun 30	9.08
Jan 23, 2009	9.13	Aug 13	9.38
Feb 6	9.16	Sep 30	9.49
25	9.16		

Highest: 8.66 Mar 16, 2009

Lowest: 9.49 Sep 30, 2009

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