



Water-Data Report 2009

**355427080493001 Local number IR-183, NCDENR ALLISON WOODS RESEARCH STATION, PZ-7, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'27.98", long 80°49'30.36" 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 39 ft, diameter 4 in., cased to 34 ft, screened interval from 34 ft to 39 ft, sand filter packed from 21 ft to 39 ft.

DATUM.--Land-surface datum is 870.04 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 3.14 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to September 2009 (discontinued).

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.12 ft below land-surface datum, June 1, 2007; lowest water level measured, 30.02 ft below land-surface datum, February 25, 2009.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Oct 13, 2008	29.59	Mar 16, 2009	29.88
Nov 13	29.76	Apr 27	29.25
Jan 23, 2009	30.01	Jun 30	28.34
Feb 6	30	Aug 13	28.33
25	30.02	Sep 30	28.98

Highest: 28.33 Aug 13, 2009

Lowest: 30.02 Feb 25, 2009

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