



Water-Data Report 2009

355422080492501 Local number IR-178, NCDENR ALLISON WOODS RESEARCH STATION, PZ-2, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'22.86", long 80°49'25.56" 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 24 ft, diameter 4 in., cased to 19 ft, screened interval from 19 ft to 24 ft, sand filter packed from 9 ft to 24 ft.

DATUM.--Land-surface datum is 871.76 ft above North American Vertical Datum of 1988. Measuring point: divot on PVC, 2.45 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, 15.85 ft below land-surface datum, April 24, 2007; lowest water level measured, 22.26 ft below land-surface datum, December 9, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	21.96	Mar 16, 2009	20.58
Dec 9	22.26	Apr 27	
Jan 23, 2009	21.37	Jun 30	18.55
Feb 6	21.2	Aug 13	19.46
25	21.2	Sep 30	20.44

Highest: 18.55 Jun 30, 2009

Lowest: 22.26 Dec 09, 2008

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