



Water-Data Report 2009

355428080493005 Local number IR-182, NCDENR ALLISON WOODS RESEARCH STATION, PZ-6, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'28.59", long 80°49'30.02" 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 35.5 ft, diameter 4 in., cased to 30.5 ft, screened interval from 30.5 ft to 35.5 ft, sand filter packed from 21 ft to 35 ft.

DATUM.--Land-surface datum is 872.19 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.13 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, 25.22 ft below land-surface datum, June 1, 2007; lowest water level measured, 31.77 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	30.99	Mar 16, 2009	31.68
Nov 13	31.19	Apr 27	31.25
Dec 9	31.40	Jun 30	30.19
Jan 23, 2009	31.64	Aug 13	29.89
Feb 6	31.65	Sep 30	30.46
25	31.77		

Highest: 29.89 Aug 13, 2009

Lowest: 31.77 Feb 25, 2009

355428080493005 Local number IR-182, NCDENR ALLISON WOODS RESEARCH STATION, PZ-6, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)—Continued

