



Water-Data Report 2009

355427080492701 Local number IR-181, NCDENR ALLISON WOODS RESEARCH STATION, PZ-5, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'27.70", long 80°49'27.69" 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 37 ft, diameter 4 in., cased to 32 ft, screened interval from 32 ft to 37 ft, sand filter packed from 24.5 ft to 37 ft.

DATUM.--Land-surface datum is 880.27 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.85 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, 28.20 ft below land-surface datum, May 12, 2006; lowest water level measured, 35.15 ft below land-surface datum, January 23, 2009.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	34.15	Mar 16, 2009	35.04
Nov 13	34.36	Apr 27	34.83
Dec 9	34.57	Jun 30	34.06
Jan 23, 2009	35.15	Aug 13	33.72
Feb 6	34.65	Sep 30	33.9
25	34.97		

Highest: 33.72 Aug 13, 2009

Lowest: 35.15 Jan 23, 2009

355427080492701 Local number IR-181, NCDENR ALLISON WOODS RESEARCH STATION, PZ-5, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)—Continued

