



Water-Data Report 2009

**355426080493401 Local number IR-177, NCDENR ALLISON WOODS RESEARCH STATION, PZ-1,  
TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'26.16", long 80°49'34.41" 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 13.6 ft, diameter 4 in., cased to 8.6 ft, screened interval from 8.6 ft to 13.6 ft, sand filter packed from 6 ft to 13.5 ft.

DATUM.--Land-surface datum is 843.38 ft above North American Vertical Datum of 1988. Measuring point: divot of outer steel protective casing, 1.20 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, 8.97 ft below land-surface datum, January 3, 2007; lowest water level measured, 12.90 ft below land-surface datum, October 31, 2007.

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

Date	Water level	Date	Water level
Oct 13, 2008	12.62	Mar 16, 2009	11.03
Nov 13	12.53	Apr 27	11.54
Dec 9	12.48	Jun 30	11.58
Jan 23, 2009	11.92	Aug 13	12.45
Feb 6	12.06	Sep 30	12.55
25	12.04		

Highest: 11.03 Mar 16, 2009

Lowest: 12.62 Oct 13, 2008

