



Water-Data Report 2009

**355422080493103 Local number IR-171, NCDENR ALLISON WOODS RESEARCH STATION, MW-3D, NEAR TURNERSBURG, NC (BEDROCK)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Gneiss  
Iredell County, NC

LOCATION.--Lat 35°54'22.97", long 80°49'31.27" 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 372 ft, diameter 6 in., cased to 45 ft, open hole from 45 ft to 372 ft.

DATUM.--Land-surface datum is 849.05 ft above North American Vertical Datum of 1988. Measuring point: mark on pvc, 3.48 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. Well re-developed in May 2007.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft below land-surface datum, March 28, 2008; lowest water level measured, 8.59 ft below land-surface datum, June 1, 2007.

REVISIONS.--Water levels prior to May 2007 were determined to be in error and should not be used.

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

Date	Water level	Date	Water level
Oct 13, 2008	6.34	Mar 16, 2009	5.64
Nov 13	6.27	25	6.37
Dec 9	6.40	Apr 27	5.72
Jan 23, 2009	6.27	Jun 30	5.43
Feb 6	6.02	Aug 13	5.72
25	6.15	Sep 30	5.98

Highest: 5.43 Jun 30, 2009

Lowest: 6.40 Dec 09, 2008

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