



Water-Data Report 2009

**355429080492304 Local number IR-164, NCDENR ALLISON WOODS RESEARCH STATION, CH-1,
TURNERSBURG, NC (BEDROCK)**

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

LOCATION.--Lat 35°54'30.30", long 80°49'23.62" 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 100 ft, diameter 4 in., cased to 60 ft, open hole from 60 ft to 100 ft.

DATUM.--Land-surface datum is 899.71 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protecting casing, 2.90 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, 42.25 ft below land-surface datum, May 12, 2006; lowest water level measured, 49.57 ft below land-surface datum, June 30, 2009.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	47.45	Mar 16, 2009	48.87
Nov 13	47.58	Apr 27	49.23
Dec 9	47.85	Jun 30	49.57
Jan 23, 2009	48.4	Aug 13	49.55
Feb 6	48.48	Sep 30	49.19
25	48.66		

Highest: 47.45 Oct 13, 2008

Lowest: 49.57 Jun 30, 2009

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