



Water-Data Report 2008

355427080493704 Local number IR-176, NCDENR Allison Woods Research Station CH-4, near Turnersburg, NC

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

LOCATION.--Lat 35°54'27.86", long 80°49'36.88" 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.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 100 ft, diameter 4 in., cased to 45 ft, open hole from 33 ft to 100 ft.

DATUM.--Land-surface datum is 836.26 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.45 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to current year.

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, 7.22 ft below land-surface datum, May 12, 2006; lowest water level measured, 8.84 ft below land-surface datum, July 29, September 4, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	8.45	Apr 21, 2008	8.19
31	8.50	May 14	8.37
Nov 15	8.28	Jun 12	8.54
30	8.33	30	8.68
Dec 20	8.37	Jul 18	8.81
Jan 25, 2008	8.45	29	8.84
Feb 21	8.39	Sep 4	8.84
Mar 28	8.3		

Highest: 8.19 Apr 21, 2008

Lowest: 8.84 Jul 29, 2008 Sep 04, 2008

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