



Water-Data Report 2007

355422080493104 Local number IR-172, DENR Allison Woods Research Station CH-3

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

LOCATION.--Lat 35°54'22.95", long 80°49'31.23" 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 75 ft, diameter 4 in., cased to 20 ft, open hole from 45 ft to 75 ft.

DATUM.--Land-surface datum is 840 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.80 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.55 ft below land-surface datum, March 5, 2007; lowest water level measured, 9.95 ft below land-surface datum, August 30, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

[Measurement method: T, electric tape; . Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 12, 2006	8.90	T	--	Jun 1, 2007	8.78	T	--
Nov 27	8.16	T	--	12	8.68	T	--
Jan 3, 2007	7.68	T	--	Jul 9	8.97	T	--
Mar 5	7.55	T	--	Aug 14	9.62	T	--
Apr 5	7.77	T	--	30	9.95	T	--
24	7.68	T	--	Sep 27	9.93	T	--
May 18	7.99	T	--				

Highest: 7.55 Mar 05, 2007

Lowest: 9.95 Aug 30, 2007

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