



Water-Data Report 2007

355427080493704 Local number IR-176, DENR Allison Woods Research Station CH-4

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 830 ft above North American Vertical Datum of 1988. Measuring point: top of protective steel 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.22 ft below land-surface datum, May 12, 2006; lowest water level measured, 8.33 ft below land-surface datum, September 27, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Oct 12, 2006	8.15	May 18, 2007	7.69
Nov 27	7.80	Jun 1	7.60
Jan 3, 2007	7.26	12	7.70
Feb 8	7.74	Jul 9	8.16
Mar 5	7.33	Aug 14	8.27
Apr 5	7.57	30	8.31
24	7.43	Sep 27	8.33

Highest: 7.26 Jan 03, 2007

Lowest: 8.33 Sep 27, 2007

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