



Water-Data Report 2007

355428080493004 Local number IR-168, DENR Allison Woods Research Station CH-2

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

LOCATION.--Lat 35°54'28.29", long 80°49'30.45" 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 200 ft, diameter 4 in., cased to 60 ft, open hole from 60 ft to 200 ft.

DATUM.--Land-surface datum is 870 ft above North American Vertical Datum of 1988. Measuring point: divot on outer shell protective casing, 2.57 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, 32.30 ft below land-surface datum, May 18, 2007; lowest water level measured, 38.74 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	36.26	Jun 1, 2007	37.42
Nov 27	36.03	12	37.51
Jan 3, 2007	36.14	Jul 9	37.88
Mar 5	36.21	Aug 14	38.49
Apr 5	33.81	30	38.63
24	33.55	Sep 27	38.74
May 18	32.30		

Highest: 32.30 May 18, 2007

Lowest: 38.74 Sep 27, 2007

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