

**355422080493103 Local number IR-171, NCDENR Allison Woods Research Station MW-3D near
Turnersburg, NC (Bedrock)**

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Iredell County, NC

LOCATION.--Lat 35°54'22.97", long 80°49'31.27" 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.--Depth 372 ft. Upper casing diameter 6.25 in; top of first opening 45 ft, bottom of last opening 372 ft. Drilled observation well, depth 372 ft, diameter 6 in., cased to 45 ft, open hole from 45 ft to 372 ft.

DATUM.--Land-surface datum is 849.05 ft above North American Vertical Datum of 1988. Measuring point: mark on pvc, 3.48 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, 2.32 ft below land-surface datum, April 5, 2007; lowest water level measured, 8.59 ft below land-surface datum, June 1, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	5.10	Apr 21, 2008	5.26
31	5.84	May 14	5.44
Nov 15	6.34	Jun 12	5.18
30	6.03	30	5.75
Dec 20	5.48	Jul 18	6.06
Jan 25, 2008	5.22	29	6.08
Feb 21	5.1	Aug 15	6.32
Mar 28	4.9	Sep 4	6.22

Highest: 4.9 Mar 28, 2008

Lowest: 6.34 Nov 15, 2007

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