Water-Data Report 2008

355429080492304 Local number IR-164, NCDENR Allison Woods Research Station CH-1, near Turnersburg, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Iredell County, NC

LOCATION.--Lat 35°54'30.30", long 80°49'23.62" 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 60 ft, open hole from 60 ft to 100ft.

DATUM.--Land-surface datum is 899.71 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protecting casing, 2.90 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).

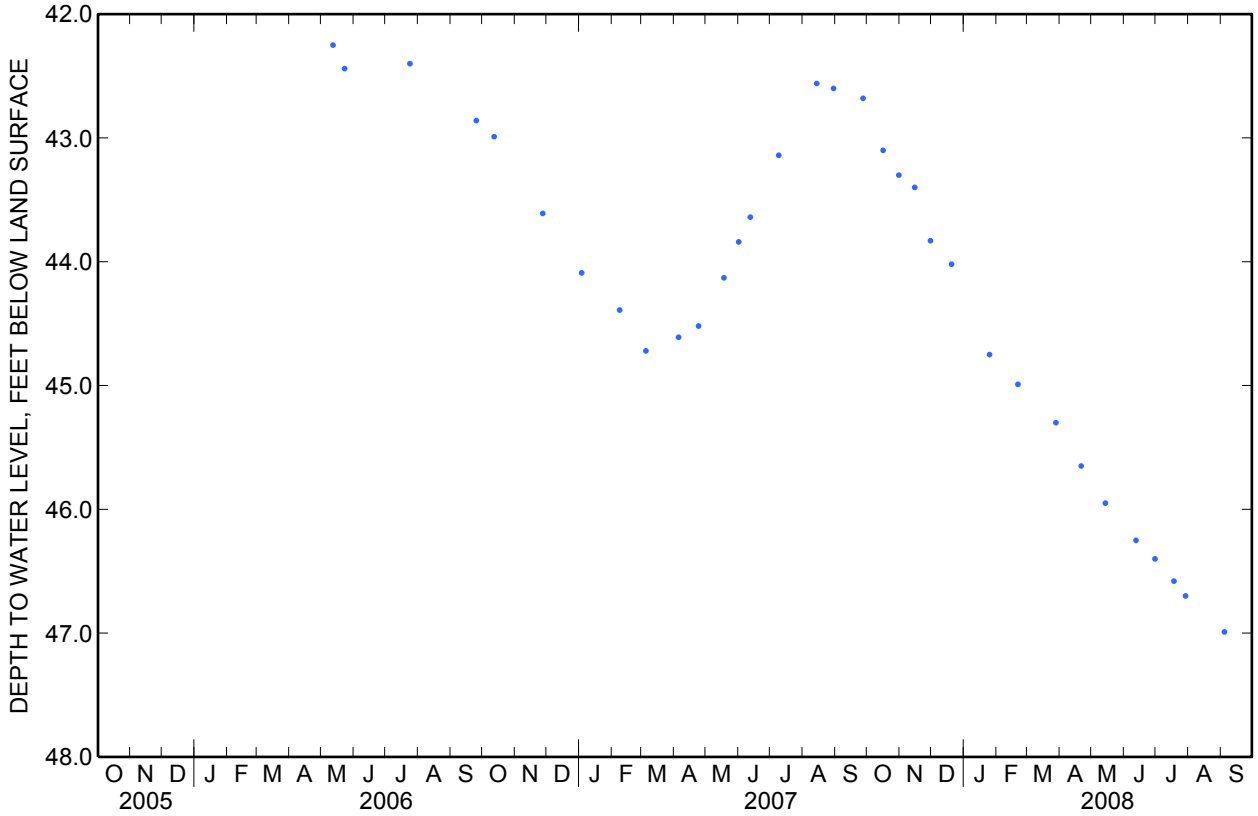
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.25 ft below land-surface datum, May 12, 2006; lowest water level measured, 46.99 ft below land-surface datum, September 4, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	43.10	Apr 21, 2008	45.65
31	43.30	May 14	45.95
Nov 15	43.4	Jun 12	46.25
30	43.83	30	46.4
Dec 20	44.02	Jul 18	46.58
Jan 25, 2008	44.75	29	46.7
Feb 21	44.99	Sep 4	46.99
Mar 28	45.3		

Highest: 43.10 Oct 16, 2007

Lowest: 46.99 Sep 04, 2008

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