

Water-Data Report 2008

**350338083254002 Local number MA-077, NCDENR Coweeta Research Station, PZ-1I, near Otto, NC**

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°03'37.9", long 83°25'40.2" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 8 ft, diameter 2 in., cased to 5 ft, screened interval from 5 ft to 8 ft.

DATUM.--Land-surface datum is 2,220.79 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.86 ft above land-surface datum, November 3, 2007, to present.

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Measured periodically with electric and steel 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, 2.05 ft below land-surface datum, January 24, 2008; lowest water level measured, 2.49 ft below land-surface datum, July 21, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Jan 24, 2008	2.05	May 29, 2008	2.30
Mar 25	2.19	Jul 21	2.49
Apr 24	2.10	Sep 30	2.36

Highest: 2.05 Jan 24, 2008

Lowest: 2.49 Jul 21, 2008

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