



Water-Data Report 2008

**350338083254001 Local number MA-076, NCDENR Coweeta Research Station PZ-1S, near Otto, NC**

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°03'37.5", long 83°25'39.9" 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 4 ft, diameter 2 in., cased to 1 ft, screened interval from 1 ft to 4 ft.

DATUM.-- Land-surface datum is 2,220.51 ft above NGVD of 1988. Measuring point: top steel casing, 3.00 ft above land-surface datum, November 1, 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, 1.91 ft below land-surface datum, January 24, 2008; lowest water level measured, 2.85 ft below land-surface datum, July 21, 2008.

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

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Jan 24, 2008	1.91	May 29, 2008	2.23
Mar 25	2.07	Jul 21	2.85
Apr 24	2.08	Sep 30	2.57

Highest: 1.91 Jan 24, 2008

Lowest: 2.85 Jul 21, 2008

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