



Water-Data Report 2008

**350337083254404 Local number MA-075, NCDENR Coweeta Research Station CH-1 near Otto, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss  
Macon County, NC

LOCATION.--Lat 35°03'35.9", long 83°25'43.3" 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 108 ft, diameter 4 in., cased to 50 ft, open hole from 50 ft to 108 ft.

DATUM.--Land-surface datum is 2,231.01 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.82 ft above land-surface datum.

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, 7.71 ft below land-surface datum, March 5, 2008; lowest water level measured, 9.45 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> |
|--------------|--------------------|--------------|--------------------|
| Nov 1, 2007  | 8.95               | Apr 24, 2008 | 8.40               |
| Jan 24, 2008 | 8.18               | May 29       | 8.80               |
| Mar 5        | 7.71               | Jul 21       | 9.45               |
| 25           | 8.44               | Sep 30       | 9.34               |

Highest: 7.71 Mar 05, 2008

Lowest: 9.45 Jul 21, 2008

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