

Water-Data Report 2008

**350238083265903 Local number MA-083, NCDENR Coweeta Research Station, MW-3D near Otto, NC  
(Bedrock)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'37.5", long 83°26'59.2" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 4.8 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 220 ft, diameter 6 in., cased to 61 ft, open hole from 61 ft to 220 ft.

DATUM.--Land-surface datum is 2,830.1 ft above North American Vertical Datum of 1988. Measuring point: top of protective steel casing, 3.03 ft above land-surface datum, September 22, 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, 17.59 ft below land-surface datum, March 6, 2008; lowest water level measured, 20.77 ft below land-surface datum, September 30, 2008.

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

Date	Water level	Date	Water level
Nov 1, 2007	20.48	Apr 24, 2008	19.25
Jan 24, 2008	18.99	May 29	19.63
Mar 5	17.97	Jul 21	20.57
6	17.59	Sep 30	20.77
25	18.39		

Highest: 17.59 Mar 06, 2008

Lowest: 20.77 Sep 30, 2008

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