

Water-Data Report 2008

350238083265904 Local number MA-084, NCDENR Coweeta Research Station, CH-3, near Otto, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'38.1", long 83°26'59.1" 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 200 ft, diameter 4 in., cased to 67 ft, open hole from 67 ft to 200 ft.

DATUM.--Land-surface datum is 2,827.36 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.78 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, 15.02 ft below land-surface datum, March 6, 2008; lowest water level measured, 17.95 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	17.84	Apr 24, 2008	16.37
Jan 24, 2008	16.11	May 29	16.84
Mar 5	15.17	Jul 21	17.76
6	15.02	Sep 30	17.95
25	15.79		

Highest: 15.02 Mar 06, 2008

Lowest: 17.95 Sep 30, 2008

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