

Water-Data Report 2008

350238083265901 Local number MA-081, NCDENR Coweeta Research Station, MW-3PS, near Otto, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'37.8", long 83°26'58.7" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.8 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 20 ft, diameter 2 in., cased to 15 ft, screened interval from 15 ft to 20 ft.

DATUM.--Land-surface datum is 2,825.62 ft above North American Vertical Datum of 1988. Measuring point: top of lock bracket on protective steel casing, 2.83 ft above land-surface datum, September 12, 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, 15.72 ft below land-surface datum, March 6, 2008; lowest water level measured, 19.69 ft below land-surface datum, September 30, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jan 24, 2008	17.50	Apr 24, 2008	17.70
Mar 5	16.46	May 29	18.09
6	15.72	Jul 21	19.48
25	16.71	Sep 30	19.69

Highest: 15.72 Mar 06, 2008

Lowest: 19.69 Sep 30, 2008

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