



Water-Data Report 2009

**350238083265904 Local number MA-084, NCDENR COWEETA RESEARCH STATION, CH-3, NEAR OTTO, NC (BEDROCK)**

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, NC. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 200 ft, diameter 4 in., cased to 67 ft, open hole from 67 to 200 ft.

DATUM.--Land-surface datum is 2,827.36 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 2.78 ft above land-surface datum.

PERIOD OF RECORD.--August 2007 to September 2009 (discontinued).

GAGE.--Measured periodically with electric and steel tape by USGS and NCDENR, Division of Water Quality.

REMARKS.--Well is part of Piedmont/Mountains groundwater 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 20, 2008	17.91	May 28, 2009	16.10
Dec 19	15.65	Jul 1	17.03
Feb 8, 2009	16.83	Aug 3	17.51
Mar 19	16.33	Sep 4	17.79
Apr 24	15.81		

Highest: 15.65 Dec 19, 2008

Lowest: 17.91 Nov 20, 2008

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