



Water-Data Report 2009

**350243083264502 Local number MA-079, COWEETA RESEARCH STATION, MW-2D, NEAR OTTO, NC (BEDROCK)**

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

LOCATION.--Lat 35°02'44", long 83°26'45.2" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 4.5 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 220 ft, diameter 6 in., cased to 20 ft, open hole from 20 to 220 ft.

DATUM.--Land-surface datum is 2,750.16 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 3.11 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, 4.55 ft below land-surface datum, March 5, 2008; lowest water level measured, 5.28 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	5.25	May 28, 2009	4.68
Dec 19	4.96	Jul 1	5.00
Feb 8, 2009	5.09	Aug 3	5.12
Mar 19	4.75	Sep 4	5.24
Apr 24	4.63		

Highest: 4.63 Apr 24, 2009

Lowest: 5.25 Nov 20, 2008

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