



Water-Data Report 2009

**350243083264501 Local number MA-078, NCDENR COWEETA RESEARCH STATION, MW-2I, NEAR OTTO, NC (TRANSITION ZONE)**

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

LOCATION.--Lat 35°02'43.6", long 83°26'45" 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 20.5 ft, diameter 4 in., cased to 8 ft, screened interval from 10 to 19 ft.

DATUM.--Land-surface datum is 2,750.27 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 3.27 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, 2.31 ft below land-surface datum, March 6, 2008; lowest water level measured, 3.21 ft below land-surface datum, August 27, 2007.

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

Date	Water level	Date	Water level
Nov 20, 2008	2.97	May 28, 2009	2.61
Dec 19	2.71	Jul 1	2.86
Feb 8, 2009	2.82	Aug 3	2.95
Mar 19	2.68	Sep 4	2.98
Apr 24	2.60		

Highest: 2.60 Apr 24, 2009

Lowest: 2.98 Sep 04, 2009

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