



Water-Data Report 2009

**350238083265901 Local number MA-081, NCDENR COWEETA RESEARCH STATION, MW-3PS, NEAR OTTO, NC (REGOLITH)**

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

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 2 in., cased to 15 ft, screened interval from 15 to 20 ft.

DATUM.--Land-surface datum is 2,825.62 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 2.83 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, 15.72 ft below land-surface datum, March 6, 2008; lowest water level measured, 19.75 ft below land-surface datum, September 4, 2009.

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

Date	Water level	Date	Water level
Nov 20, 2008	19.74	May 28, 2009	17.49
Dec 19	17.26	Jul 1	18.47
Feb 8, 2009	18.28	Aug 3	19.29
Mar 19	17.81	Sep 4	19.75
Apr 24	17.17		

Highest: 17.17 Apr 24, 2009

Lowest: 19.75 Sep 04, 2009

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