



Water-Data Report 2009

350338083254001 Local number MA-076, NCDENR COWEETA RESEARCH STATION, PZ-1S, NEAR OTTO, NC (REGOLITH)

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

LOCATION.--Lat 35°03'37.5", long 83°25'39.9" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 4 ft, diameter 2 in., cased to 1 ft, screened interval from 1 to 4 ft.

DATUM.--Land-surface datum is 2,220.51 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--August 2007 to May 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, 1.91 ft below land-surface datum, January 24, 2008; lowest water level measured, 2.85 ft below land-surface datum, July 21, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 20, 2008	2.26	Mar 19, 2009	2.09
Dec 19	2.00	May 28	1.91
Feb 8, 2009	2.26		

Highest: 1.91 May 28, 2009

Lowest: 2.26 Nov 20, 2008 Feb 08, 2009

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