



Water-Data Report 2009

350338083254002 Local number MA-077, NCDENR COWEETA RESEARCH STATION, PZ-1I, NEAR OTTO, NC (TRANSITION ZONE)

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

LOCATION.--Lat 35°03'37.9", long 83°25'40.2" 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 8 ft, diameter 2 in., cased to 5 ft, screened interval from 5 to 8 ft.

DATUM.--Land-surface datum is 2,220.79 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 2.86 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, 2.05 ft below land-surface datum, January 24, 2008; lowest water level measured, 2.49 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	2.36	May 28, 2009	2.24
Dec 19	2.30	Jul 1	2.47
Feb 8, 2009	2.37	Aug 3	2.40
Mar 19	2.36	Sep 4	2.37
Apr 24	2.37		

Highest: 2.24 May 28, 2009

Lowest: 2.47 Jul 01, 2009

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