



Water-Data Report 2009

350337083254402 Local number MA-073, NCDENR COWEETA RESEARCH STATION, MW-1I, NEAR OTTO, NC (TRANSITION ZONE)

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

LOCATION.--Lat 35°03'36.5", long 83°25'43.9" 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.--Depth 45 ft. Upper casing diameter 4 in; top of first opening 39 ft, bottom of last opening 44 ft.

DATUM.--Land-surface datum is 2,230.01 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 2.91 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, 6.75 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.53 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	7.91	May 28, 2009	7.07
Dec 19	7.32	Jul 1	8.12
Feb 8, 2009	7.82	Aug 3	7.96
Mar 19	7.43	Sep 4	7.92
Apr 24	7.49		

Highest: 7.07 May 28, 2009

Lowest: 8.12 Jul 01, 2009

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