



Water-Data Report 2009

350238083265902 Local number MA-082, NCDENR COWEETA RESEARCH STATION, MW-3PI, NEAR OTTO, NC (TRANSITION ZONE)

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, 4.8 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, diameter 2 in., cased to 33 ft, screened interval from 33 ft to 38 ft.

DATUM.--Land-surface datum is 2,825.62 ft above NGVD of 1988. Measuring point: top of steel casing, 2.82 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, 15.50 ft below land-surface datum, March 6, 2008; lowest water level measured, 18.88 ft below land-surface datum, September 30, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 20, 2008	18.84	May 28, 2009	16.91
Dec 19	16.67	Jul 1	17.93
Feb 8, 2009	17.66	Aug 3	18.48
Mar 19	17.17	Sep 4	18.83
Apr 24	16.58		

Highest: 16.58 Apr 24, 2009

Lowest: 18.84 Nov 20, 2008

350238083265902 Local number MA-082, NCDENR COWEETA RESEARCH STATION, MW-3PI, NEAR OTTO, NC (TRANSITION ZONE)—
Continued

