

GROUND-WATER LEVELS
ROCKINGHAM COUNTY—Continued

362240079411801. County number, RK-237; DENR Upper Piedmont Research Station MW-S1I (Transition Zone well).

LOCATION.--Lat 36°22'40.9", long 79°41'18.7", Hydrologic Unit 03010103, .6 mi north of Wentworth Street, .6 mi west of Secondary Road 1993 on North Carolina State University Research Farm. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 50 ft, diameter 4 in., cased to 35 ft, screened interval from 35 ft to 50 ft, sand filter packed from 30 ft to 50 ft.

INSTRUMENTATION.--Measured periodically with electric tape (by both DENR and USGS).

DATUM.--Land-surface datum is 800 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.50 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

PERIOD OF RECORD.--May 2002 to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.73 ft below land-surface datum, April 29, 2003; lowest water level measured 31.36 ft below land-surface datum, Oct. 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD MAY TO SEPTEMBER 2002

DATE	WATER LEVEL								
MAY 06	29.14*	MAY 15	29.06*	JUN 05	28.65*	AUG 07	29.86*	SEP 05	30.49*

*DENR measurements.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL										
OCT 23	31.36*	DEC 09	23.15*	MAR 10	16.56*	APR 29	11.73*	JUL 07	12.60*	SEP 10	14.74*
NOV 20	28.96*	FEB 03	18.29*	APR 02	12.87*	JUN 02	12.84*	AUG 12	15.02*		

*DENR measurements.

