

ROCKINGHAM COUNTY—Continued

362226079410103. County number, RK-245; DENR Upper Piedmont Research Station MW-S4D (Bedrock well).

LOCATION.--Lat 36°22'26", long 79°41'01", 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.--Felsic Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 380 ft, diameter 6 in., cased to 77 ft, open hole from 77 to 380 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.

DATUM.--Land-surface datum is 659.57 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.02 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Well is located in close proximity to stream.

PERIOD OF RECORD.--May 2002 to current year. Continuous record May 2003 to October 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.40 ft below land-surface datum, May 26, 2003; lowest water level measured, 5.55 ft below land-surface datum, Aug. 7, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	4.50	JAN 03	4.46	MAR 09	4.24	JUN 16	4.93	AUG 26	5.27
NOV 22	4.55	FEB 18	4.53	MAY 04	4.64	JUL 19	5.10	SEP 28	5.44

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.37	---	---	---	---	---	---	---	---	---	---	---
2	4.41	---	---	---	---	---	---	---	---	---	---	---
3	4.44	---	---	---	---	---	---	---	---	---	---	---
4	4.48	---	---	---	---	---	---	---	---	---	---	---
5	4.52	---	---	---	---	---	---	---	---	---	---	---
6	4.55	---	---	---	---	---	---	---	---	---	---	---
7	4.57	---	---	---	---	---	---	---	---	---	---	---
8	4.58	---	---	---	---	---	---	---	---	---	---	---
9	4.59	---	---	---	---	---	---	---	---	---	---	---
10	4.61	---	---	---	---	---	---	---	---	---	---	---
11	4.63	---	---	---	---	---	---	---	---	---	---	---
12	4.62	---	---	---	---	---	---	---	---	---	---	---
13	4.61	---	---	---	---	---	---	---	---	---	---	---
14	4.61	---	---	---	---	---	---	---	---	---	---	---
15	4.66	---	---	---	---	---	---	---	---	---	---	---
16	4.70	---	---	---	---	---	---	---	---	---	---	---
17	4.72	---	---	---	---	---	---	---	---	---	---	---
18	4.72	---	---	---	---	---	---	---	---	---	---	---
19	4.50	---	---	---	---	---	---	---	---	---	---	---
20	4.36	---	---	---	---	---	---	---	---	---	---	---
21	4.46	---	---	---	---	---	---	---	---	---	---	---
22	4.49	---	---	---	---	---	---	---	---	---	---	---
23	4.50	---	---	---	---	---	---	---	---	---	---	---
24	4.51	---	---	---	---	---	---	---	---	---	---	---
25	4.54	---	---	---	---	---	---	---	---	---	---	---
26	4.57	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

WTR YR 2005 MEAN 4.55 HIGH 4.36 LOW 4.72

GROUND-WATER LEVELS
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