

ROCKINGHAM COUNTY—Continued

362323079421201. County number, RK-235; DENR Upper Piedmont Research Station MW-N4I (Transition Zone well).

LOCATION.--Lat 36°23'23", long 79°42'13", 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 70 ft, diameter 4 in., cased to 44 ft, open hole from 44 to 70 ft.

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

DATUM.--Land-surface datum is 839.63 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.80 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Feb. 2005 to Aug. 2005, measuring point floor of shelter, 2.85 ft above land-surface datum. Shelter removed Aug. 2005, measuring point returned to 2.80 ft above land-surface datum.

PERIOD OF RECORD.--June 2002 to current year. Continuous record February 2005 to August 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.36 ft below land-surface datum, July 7, 2003; lowest water level measured, 37.54 ft below land-surface datum, Oct. 23, 2002.

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	---	---	---	---	---	28.70	---	28.59	28.61	28.89	29.41	---
2	---	---	---	---	---	28.76	---	28.59	28.59	28.92	---	---
3	---	---	---	---	---	28.78	---	28.59	28.59	28.98	---	---
4	---	---	---	---	---	28.76	---	28.61	28.60	29.00	---	---
5	---	---	---	---	---	28.75	---	28.61	28.61	28.98	---	---
6	---	---	---	---	---	28.78	---	28.54	28.62	28.99	---	---
7	---	---	---	---	---	28.70	---	28.51	28.62	29.01	---	---
8	---	---	---	---	---	---	---	28.52	28.63	29.05	---	---
9	---	---	---	---	---	---	---	28.53	28.67	29.08	---	---
10	---	---	---	---	---	---	---	28.52	28.68	29.09	---	---
11	---	---	---	---	---	---	---	28.52	28.68	29.10	---	---
12	---	---	---	---	---	---	---	28.54	28.68	29.11	---	---
13	---	---	---	---	---	---	---	28.55	28.66	29.10	---	---
14	---	---	---	---	---	---	---	28.48	28.67	29.13	---	---
15	---	---	---	---	---	---	---	28.47	28.67	29.17	---	---
16	---	---	---	---	---	---	---	28.51	28.68	29.20	---	---
17	---	---	---	---	---	---	---	28.51	28.72	29.21	---	---
18	---	---	---	---	---	---	---	28.51	28.75	29.22	---	---
19	---	---	---	---	---	---	28.66	28.50	28.79	29.23	---	---
20	---	---	---	---	---	---	28.63	28.48	28.82	29.25	---	---
21	---	---	---	---	---	---	28.62	28.53	28.80	29.26	---	---
22	---	---	---	---	---	---	28.59	28.49	28.80	29.27	---	---
23	---	---	---	---	---	---	28.55	28.46	28.84	29.31	---	---
24	---	---	---	---	28.69	---	28.58	28.50	28.86	29.34	---	---
25	---	---	---	---	28.73	---	28.61	28.54	28.86	29.32	---	---
26	---	---	---	---	28.75	---	28.61	28.55	28.87	29.34	---	---
27	---	---	---	---	28.73	---	28.60	28.56	28.89	29.36	---	---
28	---	---	---	---	28.64	---	28.64	28.56	28.90	29.39	---	---
29	---	---	---	---	---	---	28.59	28.58	28.89	29.41	---	---
30	---	---	---	---	---	---	28.55	28.57	28.90	29.42	---	---
31	---	---	---	---	---	---	---	28.60	---	29.42	---	---

WTR YR 2005 MEAN 28.79 HIGH 28.46 LOW 29.42

GROUND-WATER LEVELS
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