

WAKE COUNTY—Continued

354359078403104. County number, WK-283; DENR Lake Wheeler Research Station MW-2D (Bedrock well).

LOCATION.--Lat 35°43'59.0", long 78°40'31.6", Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road on NCSU Research Farm. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Raleigh Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 601 ft, diameter 6 in., cased to 80 ft, open hole from 80 to 447 ft, hole collapsed from 447 to 601 ft.

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

DATUM.--Land-surface datum is 359.77 ft above NGVD of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum.

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

PERIOD OF RECORD.--July 2001 to current year. Continuous record began May 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 29.02 ft below land-surface datum, Sept. 18, 2003; lowest water level measured 31.60 ft below land-surface datum, Aug. 22, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	29.73	29.57	29.75	29.33
2	---	---	---	---	---	---	---	---	29.81	29.44	29.70	29.19
3	---	---	---	---	---	---	---	---	29.73	29.24	29.63	29.21
4	---	---	---	---	---	---	---	---	29.69	29.34	29.62	29.23
5	---	---	---	---	---	---	---	---	29.78	29.41	29.59	29.31
6	---	---	---	---	---	---	---	---	29.81	29.45	29.57	29.38
7	---	---	---	---	---	---	---	---	29.72	29.50	29.59	29.35
8	---	---	---	---	---	---	---	29.55	29.58	29.53	29.59	29.37
9	---	---	---	---	---	---	---	29.57	29.53	29.54	29.36	29.37
10	---	---	---	---	---	---	---	29.59	29.58	29.55	29.34	29.40
11	---	---	---	---	---	---	---	29.58	29.59	29.57	29.22	29.39
12	---	---	---	---	---	---	---	29.67	29.61	29.64	29.28	29.37
13	---	---	---	---	---	---	---	29.75	29.60	29.67	29.38	29.42
14	---	---	---	---	---	---	---	29.80	29.64	29.66	29.38	29.47
15	---	---	---	---	---	---	---	29.80	29.65	29.65	29.23	29.43
16	---	---	---	---	---	---	---	29.81	29.57	29.64	29.19	29.49
17	---	---	---	---	---	---	---	29.86	29.48	29.70	29.24	29.51
18	---	---	---	---	---	---	---	29.82	29.42	29.69	29.34	29.32
19	---	---	---	---	---	---	---	29.79	29.34	29.68	29.39	29.40
20	---	---	---	---	---	---	---	29.77	29.37	29.71	29.40	29.43
21	---	---	---	---	---	---	---	29.75	29.37	29.70	29.38	29.42
22	---	---	---	---	---	---	---	29.71	29.40	29.70	29.36	29.38
23	---	---	---	---	---	---	---	29.56	29.46	29.76	29.38	29.29
24	---	---	---	---	---	---	---	29.55	---	29.80	29.47	29.33
25	---	---	---	---	---	---	---	29.58	29.56	29.85	29.47	29.31
26	---	---	---	---	---	---	---	29.57	29.55	29.84	29.44	---
27	---	---	---	---	---	---	---	29.62	29.56	29.79	29.46	---
28	---	---	---	---	---	---	---	29.61	29.67	29.75	29.52	---
29	---	---	---	---	---	---	---	29.57	29.76	29.79	29.54	---
30	---	---	---	---	---	---	---	29.64	29.65	29.79	29.55	---
31	---	---	---	---	---	---	---	29.60	---	29.76	29.63	---

WTR YR 2003 MEAN 29.54 HIGH 29.19 LOW 29.86

