

GROUND-WATER LEVELS

WAKE COUNTY—Continued

354404078403103. County number, WK-286; DENR Lake Wheeler Research Station MW-3D (Bedrock well).

LOCATION.--Lat 35°44'04.7", long 78°40'30.7", 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 301 ft, diameter 6 in., cased to 66 ft, open hole from 66 to 301 ft.

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

DATUM.--Land-surface datum is 376.35 ft above NGVD of 1929. Measuring point: Top of 6-inch casing, 1.73 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 February 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 23.55 ft below land-surface datum, Sept. 18, 2003; lowest water level measured 27.87 ft below land-surface datum, Oct. 3, 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	---	---	---	---	---	25.27	24.92	24.60	24.45	24.32	24.17	---
2	---	---	---	---	---	25.10	24.91	24.57	24.49	24.22	24.12	---
3	---	---	---	---	---	25.29	24.90	24.60	24.46	24.03	24.09	---
4	---	---	---	---	---	25.26	24.89	24.59	24.43	24.10	24.09	---
5	---	---	---	---	---	25.22	---	24.55	24.47	24.13	24.06	---
6	---	---	---	---	---	25.16	---	24.52	24.48	24.16	24.06	---
7	---	---	---	---	25.58	25.23	---	24.51	24.43	24.18	24.06	---
8	---	---	---	---	25.62	25.17	---	24.50	24.34	24.20	24.02	---
9	---	---	---	---	25.59	25.16	---	24.51	24.36	24.21	23.88	---
10	---	---	---	---	25.53	25.22	---	24.51	24.39	24.22	23.90	---
11	---	---	---	---	25.57	25.21	---	24.51	24.40	24.22	23.83	---
12	---	---	---	---	25.57	25.20	---	24.54	24.39	24.24	23.91	23.78
13	---	---	---	---	25.59	25.18	---	24.56	24.38	24.25	---	23.79
14	---	---	---	---	25.58	25.22	---	24.57	24.40	24.23	---	23.80
15	---	---	---	---	25.58	25.18	---	24.57	24.40	24.20	---	23.78
16	---	---	---	---	25.56	25.10	---	24.57	24.35	24.21	---	23.80
17	---	---	---	---	25.55	25.07	---	24.58	24.30	24.22	---	23.80
18	---	---	---	---	25.58	25.09	---	24.55	24.29	24.21	---	23.70
19	---	---	---	---	25.53	25.13	---	24.53	24.23	24.21	---	23.83
20	---	---	---	---	25.49	24.94	---	24.53	24.25	24.21	---	23.81
21	---	---	---	---	25.44	24.88	---	24.52	24.25	24.20	---	23.80
22	---	---	---	---	25.33	24.95	---	24.48	24.27	24.20	---	23.77
23	---	---	---	---	25.41	24.97	---	24.40	24.30	24.21	---	23.71
24	---	---	---	---	25.44	24.98	---	24.41	---	24.22	---	23.74
25	---	---	---	---	25.43	24.97	---	24.40	24.34	24.25	---	23.72
26	---	---	---	---	25.40	24.96	---	24.40	24.34	24.24	---	---
27	---	---	---	---	25.31	24.99	---	24.41	24.34	24.22	---	---
28	---	---	---	---	25.29	24.97	---	24.40	24.39	24.21	---	---
29	---	---	---	---	---	24.94	---	24.39	24.38	24.22	---	---
30	---	---	---	---	---	24.93	---	24.42	24.34	24.19	---	---
31	---	---	---	---	---	24.95	---	24.39	---	24.17	---	---

WTR YR 2003 MEAN 24.57 HIGH 23.70 LOW 25.62

