

GROUND-WATER LEVELS

WAKE COUNTY—Continued

354328078295704. County number, WK-331; Raleigh Hydrogeologic Research Station WC-1CH (Bedrock).

LOCATION.--Lat 38°43'28", long 78°29'57", Hydrologic Unit 03020201, 9.3 mi east south east of Raleigh. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Felsic intrusive igneous rock.

WELL CHARACTERISTICS.--Drilled observation well, depth 90 ft, diameter 6 in., cased to 21 ft, open hole from 21 to 90 ft, diameter 3 in.

INSTRUMENTATION.--Water-level recorder collecting data at 30-minute intervals.

DATUM.--Land-surface datum is 100.91 ft above NAVD of 1988. Measuring point: Top of steel casing, 2.40 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2005 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 16.10 ft below land-surface datum, June 8, 2005; lowest water level recorded, 18.91 ft below land-surface datum, Sept. 10-13, 2005.

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	---	---	---	---	---	---	---	---	17.80	18.05	17.72	---
2	---	---	---	---	---	---	---	---	17.70	18.05	17.87	18.58
3	---	---	---	---	---	---	---	---	17.63	18.03	---	18.59
4	---	---	---	---	---	---	---	16.97	17.71	18.02	---	18.61
5	---	---	---	---	---	---	---	17.01	17.78	18.03	---	18.62
6	---	---	---	---	---	---	---	16.68	17.81	18.10	---	18.63
7	---	---	---	---	---	---	---	16.54	17.78	18.13	---	18.65
8	---	---	---	---	---	---	---	16.82	16.64	17.68	---	18.65
9	---	---	---	---	---	---	---	17.00	17.02	17.69	---	18.66
10	---	---	---	---	---	---	---	17.10	17.25	17.79	---	18.67
11	---	---	---	---	---	---	---	17.18	17.40	17.90	---	18.68
12	---	---	---	---	---	---	---	17.24	17.53	18.00	---	18.69
13	---	---	---	---	---	---	---	17.14	17.63	18.10	---	18.69
14	---	---	---	---	---	---	---	17.21	17.71	18.17	---	18.68
15	---	---	---	---	---	---	---	17.30	17.78	18.23	---	18.68
16	---	---	---	---	---	---	---	17.29	17.85	18.29	---	18.69
17	---	---	---	---	---	---	---	17.35	17.90	18.31	---	18.70
18	---	---	---	---	---	---	---	17.41	17.89	18.29	---	18.71
19	---	---	---	---	---	---	---	17.45	17.90	---	---	18.72
20	---	---	---	---	---	---	---	17.27	17.92	---	---	18.72
21	---	---	---	---	---	---	---	17.22	17.97	---	---	18.51
22	---	---	---	---	---	---	---	17.35	17.99	---	---	18.56
23	---	---	---	---	---	---	---	17.44	17.97	17.91	---	18.67
24	---	---	---	---	---	---	---	17.50	17.98	18.05	---	18.73
25	---	---	---	---	---	---	---	17.54	17.98	18.19	---	18.71
26	---	---	---	---	---	---	---	17.58	17.98	18.29	---	18.70
27	---	---	---	---	---	---	---	17.63	17.98	18.32	---	18.70
28	---	---	---	---	---	---	---	17.67	17.92	18.35	---	18.75
29	---	---	---	---	---	---	---	17.71	17.79	18.00	---	18.77
30	---	---	---	---	---	---	---	17.74	17.94	17.67	---	18.79
31	---	---	---	---	---	---	---	17.77	---	17.75	---	---

WTR YR 2005 MEAN 17.94 HIGH 16.54 LOW 18.79

