

GROUND-WATER LEVELS

COLUMBUS COUNTY--Continued

341932078315105. County number, CO-117; DENR Lake Waccamaw Research Station well CC38b8.

LOCATION.--Lat 34°19'33.1", long 78°31'46.7", North American Datum of 1983, Hydrologic Unit 03040206, in Lake Waccamaw, 0.4 mi west of Secondary Road 1735 on Secondary Road 1736. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Black Creek aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 386 ft, diameter 4 in., screened interval from 376 to 386 ft.

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

DATUM.--Land-surface datum is 64 ft above sea level (from topographic map). Measuring point: Top of instrument shelf, 2.57 ft above land-surface datum (since July 2001).

REMARKS.--Well is part of southern Coastal Plain ground-water level monitoring study.

PERIOD OF RECORD.--November 1974 to current year. Water levels measured periodically since November 1974. Continuous record began July 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.54 ft below land-surface datum, Nov. 27, 1974; lowest recorded, 17.47 ft below land-surface datum, Aug. 13, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 07	17.00	FEB 07	16.77	MAR 28	16.58

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR JULY 2001 TO SEPTEMBER 2001

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	17.37	17.22
2	---	---	---	---	---	---	---	---	---	---	17.37	17.23
3	---	---	---	---	---	---	---	---	---	---	17.36	17.25
4	---	---	---	---	---	---	---	---	---	---	17.36	17.23
5	---	---	---	---	---	---	---	---	---	---	17.38	17.20
6	---	---	---	---	---	---	---	---	---	---	17.41	17.22
7	---	---	---	---	---	---	---	---	---	---	17.41	17.23
8	---	---	---	---	---	---	---	---	---	---	17.41	17.23
9	---	---	---	---	---	---	---	---	---	---	17.41	17.24
10	---	---	---	---	---	---	---	---	---	---	17.42	17.25
11	---	---	---	---	---	---	---	---	---	17.13	17.43	17.26
12	---	---	---	---	---	---	---	---	---	17.15	17.46	17.27
13	---	---	---	---	---	---	---	---	---	17.17	17.45	17.27
14	---	---	---	---	---	---	---	---	---	17.18	17.32	17.27
15	---	---	---	---	---	---	---	---	---	17.21	17.33	17.28
16	---	---	---	---	---	---	---	---	---	17.25	17.36	17.29
17	---	---	---	---	---	---	---	---	---	17.28	17.37	17.31
18	---	---	---	---	---	---	---	---	---	17.28	17.34	17.30
19	---	---	---	---	---	---	---	---	---	17.30	17.26	17.31
20	---	---	---	---	---	---	---	---	---	17.33	17.26	17.31
21	---	---	---	---	---	---	---	---	---	17.35	17.22	17.31
22	---	---	---	---	---	---	---	---	---	17.37	17.22	17.31
23	---	---	---	---	---	---	---	---	---	17.38	17.23	17.32
24	---	---	---	---	---	---	---	---	---	17.35	17.23	17.32
25	---	---	---	---	---	---	---	---	---	17.36	17.25	17.31
26	---	---	---	---	---	---	---	---	---	17.37	17.26	17.35
27	---	---	---	---	---	---	---	---	---	17.37	17.27	17.35
28	---	---	---	---	---	---	---	---	---	17.36	17.29	17.34
29	---	---	---	---	---	---	---	---	---	17.34	17.30	17.36
30	---	---	---	---	---	---	---	---	---	17.32	17.28	17.38
31	---	---	---	---	---	---	---	---	---	17.35	17.22	---

WTR YR 2001 MEAN 17.30 HIGH 17.13 LOW 17.46

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