

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 NGVD of 1929 (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, 18.67 ft below land-surface datum, Aug. 15, 16, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.39	17.57	17.61	17.65	17.57	17.51	17.26	17.59	18.05	18.39	18.43	18.32
2	17.41	17.57	17.61	17.66	17.60	17.44	17.28	17.60	18.05	18.40	18.44	18.32
3	17.43	17.56	17.63	17.54	17.60	17.29	17.28	17.63	18.08	18.41	18.47	18.32
4	17.43	17.56	17.63	17.58	17.58	17.33	17.32	17.66	18.11	18.43	18.49	18.33
5	17.43	17.56	17.63	17.59	17.63	17.38	17.33	17.67	18.12	18.47	18.49	18.34
6	17.41	17.57	17.62	17.48	17.61	17.38	17.35	17.68	18.12	18.51	18.48	18.36
7	17.43	17.59	17.61	17.44	17.48	17.36	17.38	17.68	18.13	18.55	18.52	18.39
8	17.46	17.60	17.61	17.49	17.48	17.35	17.39	17.69	18.18	18.59	18.55	18.40
9	17.47	17.61	17.62	17.52	17.51	17.34	17.39	17.71	18.20	18.59	18.57	18.38
10	17.46	17.61	17.64	17.52	17.48	17.34	17.39	17.73	18.21	18.57	18.59	18.36
11	17.45	17.61	17.61	17.53	17.47	17.36	17.38	17.74	18.21	18.43	18.60	18.39
12	17.44	17.65	17.62	17.54	17.48	17.32	17.38	17.73	18.21	18.44	18.61	18.46
13	17.44	17.67	17.60	17.51	17.47	17.23	17.38	17.70	18.22	18.44	18.63	18.48
14	17.42	17.66	17.58	17.54	17.50	17.25	17.38	17.72	18.21	18.43	18.64	18.42
15	17.45	17.65	17.61	17.53	17.49	17.26	17.39	17.77	18.20	18.41	18.66	18.34
16	17.43	17.65	17.63	17.58	17.45	17.26	17.40	17.80	18.23	18.36	18.66	18.30
17	17.46	17.66	17.58	17.59	17.46	17.28	17.41	17.79	18.25	18.38	18.60	18.30
18	17.48	17.68	17.53	17.60	17.51	17.28	17.43	17.76	18.29	18.39	18.52	18.31
19	17.48	17.67	17.55	17.61	17.52	17.29	17.42	17.76	18.31	18.40	18.53	18.31
20	17.48	17.66	17.56	17.64	17.48	17.26	17.43	17.79	18.32	18.41	18.53	18.31
21	17.49	17.69	17.60	17.63	17.40	17.25	17.43	17.80	18.34	18.41	18.56	18.32
22	17.48	17.69	17.61	17.66	17.41	17.26	17.45	17.82	18.32	18.41	18.57	18.32
23	17.47	17.71	17.59	17.63	17.43	17.29	17.50	17.82	18.29	18.39	18.56	18.31
24	17.47	17.65	17.57	17.58	17.45	17.28	17.52	17.82	18.29	18.39	18.55	18.27
25	17.48	17.64	17.60	17.59	17.46	17.28	17.52	17.85	18.30	18.42	18.53	18.27
26	17.50	17.63	17.57	17.61	17.42	17.26	17.56	17.90	18.30	18.41	18.54	18.26
27	17.52	17.63	17.59	17.61	17.43	17.24	17.58	17.96	18.30	18.38	18.49	18.24
28	17.57	17.63	17.60	17.59	17.48	17.26	17.56	18.01	18.32	18.40	18.45	18.26
29	17.58	17.63	17.60	17.59	---	17.26	17.56	18.04	18.34	18.42	18.41	18.28
30	17.56	17.61	17.65	17.59	---	17.26	17.60	18.05	18.37	18.44	18.35	18.30
31	17.57	---	17.65	17.59	---	17.26	---	18.04	---	18.44	18.32	---

WTR YR 2002 MEAN 17.82 HIGH 17.23 LOW 18.66

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