

## GROUND-WATER LEVELS

## BRUNSWICK COUNTY

335334078352102. County number, BR-116; DENR Calabash Research Station well HH39j3.

LOCATION.--Lat 33°53'34.32", long 78°35'21.34", North American Datum of 1983, Hydrologic Unit 03040207, .75 mi west of County Club Drive on Carolina Shores Drive Owner: DENR (North Carolina Department of Environment and Natural Resources).

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

WELL CHARACTERISTICS.--Drilled observation well, depth 600 ft, diameter 2.5 in.; cased to 644 ft and from 654 to 660 ft, screened interval from 644 to 654 ft.

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

DATUM.--Land-surface datum is 47.59 ft above sea level. Measuring point: Top of casing, 2.79 ft above land-surface datum.

REMARKS.--Well is part of Brunswick County ground-water study.

PERIOD OF RECORD.--May 1973 to current year. Continuous record began October 1999.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.79 ft below land-surface datum, May 7, 1973; lowest water level recorded, 44.51 ft below land-surface datum, Aug. 14, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.28	---	43.74	43.78	43.70	---	---	43.42	43.63	43.92	43.99	43.75
2	43.31	---	43.74	43.80	43.70	---	43.26	43.44	43.62	43.91	44.01	43.76
3	43.34	---	43.74	43.80	43.72	---	43.28	43.47	43.65	43.88	44.00	43.76
4	43.37	---	43.75	43.76	43.70	---	43.28	43.48	43.69	43.88	43.99	43.74
5	43.39	---	43.74	43.72	43.63	---	43.31	43.47	43.72	43.87	44.02	43.75
6	43.40	---	43.73	43.68	43.64	---	43.30	43.48	43.74	---	44.05	43.78
7	43.43	43.72	43.72	43.71	43.69	43.43	43.29	43.51	43.75	---	44.05	43.78
8	43.47	43.72	43.73	43.68	43.72	43.45	---	43.51	43.75	---	44.06	43.79
9	43.49	43.70	43.76	43.72	---	43.42	43.27	43.49	43.73	---	44.06	43.80
10	43.51	43.69	43.72	43.76	---	43.43	43.26	43.49	43.75	---	44.09	---
11	43.51	43.73	43.70	43.76	43.64	43.44	43.29	43.49	43.76	---	44.11	---
12	43.52	43.75	43.69	43.72	43.61	43.43	43.30	43.50	43.78	---	44.14	---
13	43.53	43.76	43.76	43.71	43.54	43.32	43.29	43.53	43.78	---	---	43.83
14	43.53	43.74	43.72	43.71	43.53	43.35	43.30	43.58	---	---	---	43.83
15	43.53	43.76	43.74	43.70	43.51	43.31	43.29	43.57	---	---	---	43.83
16	43.53	43.78	43.72	43.69	---	43.29	43.28	43.56	---	---	---	43.83
17	43.55	43.76	43.67	43.72	---	43.32	43.30	43.57	---	---	---	43.86
18	43.55	43.79	43.73	43.70	---	43.37	43.35	43.59	---	---	---	43.86
19	43.58	43.77	43.70	43.67	---	43.40	43.40	43.59	---	---	---	43.87
20	43.60	43.71	43.73	43.65	---	43.31	43.40	43.61	43.89	---	44.01	43.89
21	43.61	43.73	43.77	43.71	---	---	43.40	---	43.89	---	---	43.90
22	43.63	43.77	43.75	43.75	---	43.19	43.42	43.63	43.88	---	---	43.91
23	43.66	43.77	43.80	43.70	---	43.24	43.43	43.63	43.84	---	---	43.93
24	43.66	43.77	43.79	43.69	---	43.27	43.41	43.66	43.86	---	---	43.92
25	43.64	43.72	43.80	43.69	---	43.27	43.39	43.69	43.87	---	---	43.90
26	43.64	43.62	43.82	43.73	---	43.27	43.38	43.71	43.87	---	43.82	43.96
27	43.62	43.64	43.77	43.70	---	43.31	43.37	43.71	43.89	---	43.83	43.97
28	43.63	43.68	43.70	43.73	---	43.33	43.39	43.70	43.90	---	43.88	43.97
29	43.67	43.70	43.70	43.73	---	43.23	43.44	43.67	43.90	43.93	43.87	43.99
30	43.68	43.71	43.69	43.66	---	43.18	43.46	43.66	43.91	43.92	43.78	44.00
31	---	---	43.74	43.66	---	43.20	---	43.70	---	43.96	43.74	---

WTR YR 2001 MEAN 43.65 HIGH 43.18 LOW 44.14

BRUNSWICK COUNTY--Continued

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