

## GROUND-WATER LEVELS

## BRUNSWICK COUNTY--Continued

335334078352106. Local number, BR-123; DENR Calabash Research Station well HH39j7.

LOCATION.--Lat 33°53'34.32", long 78°35'21.34", North American Datum of 1983, Hydrologic Unit 030040207, .75 miles west of Country Club Drive on Carolina Shores Drive. Owner: DENR (North Carolina Department of Environment and Natural Resources).  
AQUIFER.--Surficial Aquifer.

WELL CHARACTERISTICS.--Drilled observation well, depth 56 ft, diameter 4 in., cased to 46 ft, screened interval from 46 to 56 ft.

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

DATUM.--Land-surface datum is 47.28 ft above sea level. Measuring point: Top of casing, 1.97 ft above land-surface datum.

REMARKS.-- Well is part of Brunswick County Groundwater project.

PERIOD OF RECORD.--April 1999 to September 2001. Continuous record began October 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.37 ft below land-surface datum, Mar. 31, 2001; lowest water level measured, 23.12 ft below land-surface datum, May 11, 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	---	---	15.73	19.08	16.38	---	14.92	19.63	19.93	21.23	17.00	18.98
2	---	---	15.68	19.05	16.59	---	15.11	19.79	18.49	21.23	17.25	19.10
3	---	---	15.73	19.07	17.90	---	15.25	19.97	17.90	20.97	17.42	19.06
4	---	---	15.73	19.13	18.68	---	15.32	20.17	17.90	20.25	17.66	19.04
5	---	---	15.79	18.94	18.84	---	15.52	20.33	18.12	19.86	18.19	18.87
6	---	---	15.85	18.89	18.79	---	15.80	20.73	18.15	19.76	18.42	18.86
7	---	20.80	15.95	18.98	17.62	15.99	16.09	20.96	18.94	18.81	18.64	18.95
8	---	20.39	16.04	18.74	16.75	15.81	16.68	21.11	19.22	18.37	18.93	19.08
9	---	20.57	16.21	17.58	---	15.64	16.75	22.36	19.12	18.45	19.17	19.10
10	---	20.41	16.14	16.92	---	15.63	17.27	22.87	19.06	18.43	19.41	19.13
11	---	20.66	16.03	16.81	16.44	15.72	17.60	23.04	19.29	18.57	19.57	19.21
12	---	20.87	15.93	16.63	16.42	15.73	17.77	22.68	19.80	18.82	---	19.24
13	---	20.51	15.88	16.46	16.18	15.54	17.82	22.53	19.83	18.60	---	19.86
14	---	19.48	15.72	16.31	15.91	15.44	18.17	22.23	19.40	18.27	---	20.19
15	---	18.61	15.72	16.12	15.63	15.27	18.88	21.96	19.09	19.04	---	20.25
16	---	18.13	15.62	16.02	---	15.10	18.21	21.94	19.05	19.21	---	20.30
17	---	17.81	15.44	15.98	---	15.09	18.32	22.39	19.16	19.10	---	20.34
18	---	17.66	15.42	15.99	---	15.17	18.04	22.31	19.23	19.26	---	20.52
19	19.48	17.54	15.37	16.00	---	15.36	17.94	22.81	19.89	19.30	---	20.68
20	19.71	17.52	15.43	16.04	---	15.31	18.55	22.27	19.88	19.15	---	20.80
21	19.92	17.22	15.49	16.11	---	14.92	19.14	21.86	20.21	18.87	---	20.93
22	20.07	16.85	16.44	16.16	---	14.71	19.51	21.07	20.58	18.92	---	20.99
23	20.18	16.78	17.37	16.23	---	14.85	19.69	21.39	20.45	19.01	---	21.10
24	20.21	16.85	17.91	16.14	---	14.93	19.89	21.75	20.27	19.04	---	21.14
25	20.25	16.61	18.14	15.99	---	15.14	19.37	22.18	20.10	19.04	19.94	21.12
26	20.29	16.28	18.23	15.96	---	15.18	18.35	22.48	19.82	19.07	20.51	21.07
27	20.32	15.96	18.61	15.97	---	15.32	18.13	21.83	19.72	18.99	20.86	21.14
28	20.42	15.74	18.72	16.11	---	15.28	18.27	21.76	19.81	18.68	20.52	21.25
29	20.53	15.70	18.64	16.14	---	15.10	19.14	20.82	20.03	18.43	20.27	21.32
30	20.63	15.68	18.62	16.18	---	14.83	19.45	20.32	20.58	18.24	19.86	21.45
31	---	---	18.92	16.36	---	14.83	---	20.27	---	18.29	19.27	---

WTR YR 2001 MEAN 18.43 HIGH 14.71 LOW 23.04

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