

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 station.

DATUM.--Land-surface datum is 47.28 ft above NGVD of 1929. Measuring point: Top of casing, 1.97 ft above land-surface datum.

REMARKS.-- Well is part of Brunswick County Groundwater project. Water-level data may be influenced by local pumping.

PERIOD OF RECORD.--April 1999 to current year. Continuous record began October 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.30 ft below land-surface datum, Sept. 26, 2002; lowest water level recorded, 23.12 ft below land-surface datum, May 11, 2001.

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	21.33	15.69	---	7.25	6.61	6.16	5.94	6.93	7.51	6.16	5.27	---
2	21.54	15.68	---	7.25	6.65	6.08	5.97	6.96	7.59	6.23	5.33	---
3	21.64	15.71	---	7.17	6.66	5.63	5.97	7.01	7.65	6.32	5.39	---
4	21.80	15.76	---	7.14	6.68	5.58	6.02	7.04	7.70	6.41	5.41	---
5	21.85	15.77	---	7.12	6.71	5.57	6.06	6.98	7.74	6.49	5.47	---
6	21.84	15.75	---	6.99	6.69	5.55	6.14	7.00	7.78	6.42	5.49	---
7	21.79	15.73	---	6.81	6.29	5.57	6.19	7.05	7.81	5.86	5.57	4.47
8	21.75	---	---	6.79	5.99	5.59	6.21	7.10	7.83	5.85	5.67	4.52
9	21.93	---	---	6.76	5.93	5.62	6.28	7.16	7.89	5.86	5.76	4.50
10	21.92	---	---	6.76	5.87	5.66	6.31	7.25	7.94	5.91	5.84	4.53
11	22.04	---	---	6.76	5.85	5.70	6.36	7.12	7.99	5.96	5.88	4.67
12	22.04	---	---	6.76	5.85	5.69	6.40	6.91	8.01	5.97	5.95	4.81
13	22.09	---	---	6.76	5.85	5.62	6.43	6.85	8.04	5.98	6.05	4.87
14	17.18	---	---	6.74	5.87	5.61	6.49	6.80	8.06	5.92	6.11	4.92
15	15.72	---	---	6.66	5.85	5.61	6.55	6.80	7.96	5.86	6.11	4.94
16	15.70	---	---	6.64	5.83	5.63	6.61	6.84	7.99	5.91	6.11	4.90
17	15.70	---	---	6.62	5.89	5.64	6.65	6.86	8.03	6.00	6.13	4.92
18	15.69	---	7.03	6.61	5.95	5.62	6.68	6.88	7.91	6.10	6.18	4.65
19	15.67	---	7.05	6.60	5.96	5.64	6.73	6.86	7.27	6.20	6.26	3.33
20	15.64	---	7.08	6.61	5.96	5.64	6.76	6.86	6.91	6.30	6.34	3.36
21	15.63	---	7.11	6.59	6.00	5.65	6.79	6.92	6.82	5.78	6.42	3.48
22	15.62	---	7.14	6.61	6.05	5.68	6.84	6.99	6.69	5.65	6.50	3.60
23	15.63	---	7.16	6.59	6.07	5.70	6.92	7.07	6.25	5.44	6.57	3.34
24	15.64	---	7.16	6.56	6.11	5.72	6.96	7.15	6.17	5.25	---	2.39
25	15.64	---	7.15	6.56	6.14	5.76	6.91	7.21	6.18	4.86	---	2.44
26	15.67	---	7.14	6.57	6.14	5.79	6.81	7.29	6.18	4.72	---	2.40
27	15.68	---	7.15	6.58	6.18	5.81	6.76	7.34	6.12	4.76	---	2.55
28	15.70	---	7.15	6.59	6.21	5.85	6.69	7.39	6.08	4.86	---	2.77
29	15.71	---	7.18	6.61	---	5.87	6.74	7.43	6.10	4.97	---	2.95
30	15.72	---	7.22	6.61	---	5.89	6.90	7.42	6.12	5.12	---	3.07
31	15.70	---	7.22	6.62	---	5.91	---	7.45	---	5.24	---	---

WTR YR 2002 MEAN 7.63 HIGH 2.39 LOW 22.09

