

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

335629078115407. Local number, NC-182; DENR Sunset Harbor Research Station well GG34s7; County number, BR-080.

LOCATION.--Lat 33°56'29.05", long 78°11'56.22", North American Datum of 1983, Hydrologic Unit 03040207, 1 mi north of Sunset Harbor, and 4.3 mi south of State Highway 211 on Secondary Road 1112. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial Aquifer.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 15 ft, diameter 4 in., cased to 10 ft, screened interval from 10 to 15 ft.

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

DATUM.--Land-surface datum is 28.06 ft above sea level (levels by DENR). Measuring point: Top of collar on casing, 2.65 ft above land-surface datum.

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

PERIOD OF RECORD.--January 1987 to September 1997, October 2000 to September 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.19 ft above land-surface datum, Sept. 12, 13, 1996; lowest water level recorded, 9.80 ft below land-surface datum, Jan. 15, 16, 1991.

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	---	3.80	4.36	5.16	5.81	6.12	4.45	5.25	5.79	6.55	6.07	6.90
2	---	3.84	4.43	5.19	5.83	6.14	4.49	5.28	5.82	---	6.10	6.91
3	---	3.88	4.48	5.21	5.85	6.16	4.51	5.31	5.88	---	6.15	6.87
4	---	3.91	4.52	5.23	5.87	6.13	4.54	5.36	5.93	---	6.20	6.46
5	---	3.94	4.54	5.24	5.88	5.96	4.58	5.40	5.96	---	6.27	6.30
6	2.58	3.98	4.57	5.27	5.90	5.85	4.61	5.42	5.99	6.62	6.33	6.28
7	2.64	4.01	4.60	5.29	5.93	5.82	4.63	5.42	6.02	6.15	6.36	6.28
8	2.69	4.04	4.62	5.31	5.95	5.82	4.66	5.44	6.04	5.97	6.40	6.30
9	2.75	4.06	4.65	5.34	5.97	5.83	4.68	5.47	6.05	5.94	6.43	6.34
10	2.80	4.09	4.68	5.38	5.98	5.86	4.71	5.50	6.08	5.88	6.46	6.38
11	2.85	4.13	4.69	5.41	6.00	5.91	4.75	5.52	6.11	5.78	6.50	6.43
12	2.91	4.17	4.70	5.43	6.01	5.94	4.77	5.55	6.14	5.76	6.53	6.49
13	2.95	4.21	4.73	5.45	6.01	5.92	4.79	5.57	6.16	5.78	6.57	6.54
14	3.00	4.24	4.74	5.47	6.01	5.86	4.83	5.60	6.17	5.84	6.58	6.59
15	3.04	4.28	4.75	5.48	5.99	5.78	4.85	5.62	6.20	5.90	6.60	6.64
16	3.09	4.31	4.77	5.49	5.98	5.67	4.87	5.64	6.23	5.96	6.62	6.69
17	3.14	4.34	4.77	5.51	5.98	5.54	4.90	5.66	6.25	6.01	6.64	6.74
18	3.17	4.38	4.80	5.52	6.01	5.48	4.93	5.67	6.28	6.07	6.66	6.78
19	3.23	4.40	4.82	5.54	6.02	5.47	4.96	5.69	6.31	6.13	6.67	6.81
20	3.27	4.31	4.86	5.56	6.03	5.41	4.99	5.71	6.34	6.18	6.69	6.84
21	3.32	4.32	4.88	5.59	6.04	4.55	5.03	5.73	6.37	6.23	6.71	6.87
22	3.37	4.38	4.91	5.61	6.04	4.42	5.05	5.75	6.39	6.26	6.74	6.89
23	3.41	4.42	4.94	5.62	6.05	4.41	5.08	5.77	6.42	6.28	6.77	6.92
24	3.46	4.45	4.96	5.64	6.07	4.40	5.09	5.81	6.45	6.31	6.79	6.94
25	3.49	4.45	4.99	5.66	6.08	4.40	5.11	5.84	6.47	6.34	6.81	6.95
26	3.53	4.19	5.01	5.68	6.09	4.40	5.13	5.87	6.48	6.38	6.83	6.97
27	3.56	4.11	5.03	5.69	6.11	4.44	5.16	5.90	6.48	6.39	6.85	6.99
28	3.61	4.16	5.05	5.71	6.11	4.47	5.18	5.93	6.50	6.14	6.87	7.01
29	3.67	4.22	5.07	5.73	---	4.47	5.22	5.90	6.52	6.00	6.89	7.03
30	3.71	4.29	5.10	5.74	---	4.47	5.24	5.85	6.54	5.99	6.90	7.05
31	3.76	---	5.13	5.77	---	4.45	---	5.80	---	6.04	6.89	---

WTR YR 2001 MEAN 5.44 HIGH 2.58 LOW 7.05

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