

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

335629078115406. Local number, NC-181; DENR Sunset Harbor Research Station well GG34s6; County number, BR-079.

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.--PeeDee aquifer of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled observation well, depth 102 ft, diameter 6 in., cased to 84 ft, open hole from 84 to 102 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 instrument shelf, 2.02 ft above land-surface datum.

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

PERIOD OF RECORD.--March 1987 to current year. Records from July 1974 to March 1978 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.24 ft below land-surface datum, Oct. 22, 1999; lowest water level recorded, 13.53 ft below land-surface datum, Aug. 1, 1990.

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	6.64	7.93	8.37	8.85	9.34	9.75	8.34	9.10	9.57	10.30	10.15	10.74
2	6.68	7.96	8.40	8.88	9.32	9.77	8.44	9.15	9.61	10.35	10.16	10.55
3	6.79	7.99	8.43	8.85	9.38	9.75	8.39	9.21	9.68	10.28	10.15	10.51
4	6.83	7.98	8.30	8.84	9.48	9.64	8.42	9.23	9.75	10.26	10.23	10.33
5	6.89	8.00	8.28	8.83	9.48	9.64	8.46	9.21	9.81	10.29	10.29	10.25
6	6.91	8.05	8.29	8.89	9.54	9.64	8.45	9.33	9.79	10.26	10.30	10.26
7	6.99	8.04	8.30	8.91	9.58	9.67	8.48	9.31	9.80	10.15	10.35	10.25
8	7.06	8.05	8.35	8.99	9.59	9.66	8.51	9.30	9.83	10.04	10.37	10.28
9	7.08	8.05	8.40	9.00	9.56	9.61	8.51	9.35	9.80	9.97	10.39	10.33
10	7.10	8.10	8.35	9.00	9.62	9.67	8.55	9.39	9.85	9.90	10.45	10.29
11	7.12	8.18	8.33	8.96	9.68	9.66	8.62	9.37	9.89	9.91	10.46	10.31
12	7.18	8.21	8.39	8.94	9.60	9.60	8.64	9.40	9.90	9.91	10.54	10.35
13	7.04	8.22	8.44	8.99	9.57	9.47	8.66	9.41	9.90	9.91	10.51	10.37
14	7.07	8.21	8.41	8.99	9.54	9.52	8.69	9.48	9.93	9.96	10.41	10.35
15	7.10	8.30	8.45	8.98	9.54	9.40	8.68	9.47	9.92	9.98	10.42	10.41
16	7.17	8.29	8.41	9.01	9.56	9.38	8.72	9.48	9.94	10.02	10.50	10.44
17	7.40	8.28	8.43	9.03	9.62	9.40	8.77	9.45	10.00	10.05	10.48	10.49
18	7.42	8.37	8.52	9.01	9.70	9.45	8.83	9.52	10.04	10.06	10.50	10.53
19	7.49	8.33	8.48	9.02	9.67	9.45	8.87	9.54	10.08	10.11	10.53	10.52
20	7.51	8.27	8.63	9.06	9.65	9.22	8.90	9.63	10.10	10.11	10.55	10.51
21	7.55	8.32	8.63	9.19	9.67	8.91	8.96	9.65	10.11	10.11	10.56	10.56
22	7.59	8.35	8.64	9.17	9.66	8.73	8.96	9.55	10.13	10.15	10.63	10.58
23	7.65	8.37	8.71	9.12	9.77	8.59	8.96	9.53	10.21	10.20	10.61	10.62
24	7.65	8.37	8.65	9.15	9.78	8.47	8.96	9.62	10.21	10.16	10.61	10.61
25	7.68	8.28	8.72	9.19	9.68	8.41	8.95	9.65	10.21	10.18	10.63	10.60
26	7.71	8.24	8.71	9.21	9.72	8.40	8.96	9.66	10.18	10.26	10.66	10.64
27	7.72	8.24	8.66	9.19	9.74	8.43	9.02	9.77	10.16	10.23	10.67	10.65
28	7.81	8.28	8.64	9.27	9.70	8.41	9.05	9.76	10.17	10.07	10.72	10.66
29	7.90	8.28	8.73	9.23	---	8.29	9.12	9.61	10.25	10.00	10.73	10.73
30	7.89	8.33	8.76	9.19	---	8.32	9.11	9.61	10.28	10.01	10.69	10.78
31	7.89	---	8.85	9.27	---	8.36	---	9.57	---	10.08	10.74	---

WTR YR 2001 MEAN 9.25 HIGH 6.64 LOW 10.78

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