

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

335631078003604. Local number, NC-197; DENR Southport Research Station well GG32t4; County number, BR-081.

LOCATION.--Lat 33°56'31.42", long 78°00'35.08", North American Datum of 1983, Hydrologic Unit 03030005, north of Southport 0.45 mi northeast of Secondary Road 1526 on Secondary Road 1527. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--PeeDee aquifer of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 200 ft, diameter 6 in., cased to 93.5 ft, open hole from 93.5 to 200 ft; measured depth 199 ft, September 1997.

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

DATUM.--Land-surface datum is 28.08 ft above sea level. Measuring point: Top of casing, 1.17 ft above land-surface datum.

REMARKS.-- Well is part of areal-effects network.

PERIOD OF RECORD.--January 1970 to current year. Continuous record began October 1999.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.28 ft below land-surface datum, Mar. 8, 1988; lowest water level measured, 31.03 ft below land-surface datum, Jan. 20, 1970.

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	24.00	24.64	24.06	24.97	24.75	24.18	23.69	25.63	24.68	25.27	---	25.23
2	23.91	24.69	24.20	24.99	24.77	24.12	23.86	25.74	24.60	25.14	25.05	25.15
3	23.93	24.72	24.19	24.99	24.86	24.14	23.89	25.47	24.74	24.81	25.08	25.00
4	23.94	24.65	24.24	24.98	24.75	24.00	23.97	24.92	24.96	24.69	25.15	24.83
5	23.95	24.67	24.22	25.03	24.53	23.95	24.15	24.44	25.08	24.78	25.25	24.66
6	24.01	24.71	24.21	25.17	24.57	24.01	24.15	24.23	25.24	---	25.30	24.54
7	24.21	24.76	24.19	25.21	24.57	24.16	24.24	24.07	25.28	---	25.39	24.43
8	24.23	24.70	24.22	25.04	24.57	24.31	24.31	24.05	25.20	---	25.49	24.40
9	24.15	24.60	24.33	24.98	24.50	24.26	24.29	24.32	25.06	---	25.67	24.42
10	24.13	24.56	24.28	25.07	24.41	24.24	24.07	24.51	24.97	---	25.79	24.47
11	24.14	24.67	24.24	25.09	24.50	24.29	24.30	24.65	24.95	---	25.78	24.49
12	24.16	24.63	24.21	25.03	24.45	24.26	24.42	24.76	24.95	---	25.81	24.46
13	24.20	24.63	24.30	25.01	24.38	24.06	24.65	24.87	24.96	---	25.86	24.48
14	24.21	24.56	24.16	24.92	24.30	24.13	24.83	24.94	24.83	---	25.79	24.32
15	24.17	24.57	24.15	24.78	24.20	24.05	24.39	24.93	24.69	---	25.67	24.17
16	24.20	24.63	24.17	24.75	24.19	24.03	24.02	24.80	24.66	---	25.61	24.15
17	24.25	24.52	24.11	24.79	24.17	24.08	24.39	24.72	24.78	---	25.62	24.40
18	24.14	24.53	24.33	24.71	24.27	24.24	24.69	24.62	24.77	---	25.61	24.62
19	24.08	24.43	24.40	24.54	24.27	24.31	24.95	24.62	24.91	---	25.56	24.62
20	24.19	24.40	24.71	24.43	24.40	24.05	25.21	24.76	25.00	---	25.53	24.67
21	24.27	24.34	24.86	24.64	24.47	23.64	25.16	24.92	25.11	---	25.46	24.68
22	24.35	24.20	24.84	24.87	24.39	23.61	24.81	24.99	25.13	---	25.48	24.70
23	24.54	24.08	24.94	24.77	24.41	23.69	24.61	25.08	25.10	---	25.45	24.97
24	24.59	24.02	24.93	24.71	24.45	23.78	24.92	25.01	25.21	---	25.39	25.02
25	24.54	23.80	24.93	24.69	24.37	23.84	25.18	25.09	25.28	---	25.34	24.95
26	24.53	23.60	24.90	24.81	24.31	23.79	25.19	25.23	25.22	---	25.29	24.96
27	24.45	23.55	24.90	24.83	24.33	23.85	25.20	25.30	25.01	---	25.26	24.91
28	24.51	23.64	24.87	24.92	24.22	23.92	25.35	25.33	24.87	---	25.37	24.87
29	24.65	23.81	24.79	24.83	---	23.75	25.64	25.23	24.85	---	25.46	24.88
30	24.68	23.92	24.75	24.66	---	23.63	25.70	24.94	24.98	---	25.40	24.79
31	24.69	---	24.87	24.62	---	23.65	---	24.80	---	---	25.29	---
MEAN	24.26	24.37	24.47	24.87	24.44	24.00	24.61	24.87	24.97	24.94	25.47	24.67
MAX	24.69	24.76	24.94	25.21	24.86	24.31	25.70	25.74	25.28	25.27	25.86	25.23
MIN	23.91	23.55	24.06	24.43	24.17	23.61	23.69	24.05	24.60	24.69	25.05	24.15

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