

GROUND-WATER LEVELS

BERTIE COUNTY--Continued

36142007711407. Local number, NC-154; DENR Roxobel Research Station well F22b7; County number, BE-080.

LOCATION.--Lat 36°14'20", long 77°11'14", Hydrologic Unit 03010203, 3.8 mi northeast of Roxobel on Secondary Road 1249. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial aquifer of post-Miocene age.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 12 ft, diameter 4 in., cased to 7 ft, screened interval from 7 to 12 ft.

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

DATUM.--Land-surface datum is 74 ft above NGVD of 1929 (from topographic map). Measuring point: Top of instrument shelf, 3.05 ft above land-surface datum.

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

PERIOD OF RECORD.--November 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.27 ft below land-surface datum, Jan. 30, 31, 2000; lowest water level recorded, 9.31 ft below land-surface datum, Sept. 5, 1987.

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	6.67	7.81	8.16	8.09	3.23	3.88	0.98	4.10	6.54	7.20	7.59	7.11
2	6.71	7.84	8.16	8.10	3.32	3.94	1.17	4.15	6.63	7.28	7.68	7.35
3	6.78	7.86	8.16	8.09	3.42	3.70	1.38	4.26	6.74	7.36	7.77	7.58
4	6.85	7.87	8.17	8.08	3.43	3.43	0.99	4.43	6.85	7.44	7.86	7.77
5	6.91	7.89	8.17	8.08	3.57	3.40	1.20	4.47	6.94	7.52	7.93	7.93
6	6.97	7.91	8.17	8.07	3.67	3.45	1.47	4.50	7.02	7.60	7.99	8.06
7	7.02	7.93	8.17	7.81	3.14	3.49	1.74	4.50	7.04	7.68	8.06	8.18
8	7.08	7.95	8.17	7.49	2.36	3.58	1.91	4.53	7.04	7.76	8.13	8.27
9	7.14	7.97	8.18	7.24	2.20	3.65	2.07	4.60	7.05	7.83	8.19	8.35
10	7.19	7.99	8.19	7.04	2.17	3.66	2.02	4.71	7.07	7.88	8.25	8.42
11	7.23	8.01	8.19	6.88	2.04	3.76	1.82	4.87	7.12	7.78	8.30	8.48
12	7.26	8.03	8.18	6.77	2.14	3.80	1.94	4.97	7.17	7.72	8.34	8.54
13	7.30	8.04	8.16	6.66	2.28	3.57	2.08	4.97	7.23	7.70	8.39	8.60
14	7.33	8.06	8.14	6.52	2.51	3.02	2.22	---	7.24	7.71	8.43	8.65
15	7.35	8.07	8.13	6.41	2.66	2.94	2.30	---	6.71	7.71	8.47	8.61
16	7.37	8.09	8.13	6.33	2.72	2.98	2.44	---	6.51	7.71	8.51	8.09
17	7.38	8.10	8.12	6.27	2.83	2.75	2.60	---	6.56	7.75	8.55	7.19
18	7.42	8.12	8.09	6.23	3.05	1.88	2.73	---	6.69	7.80	8.56	7.28
19	7.46	8.13	8.08	6.18	3.20	1.64	2.86	5.55	6.80	7.86	8.57	7.49
20	7.48	8.14	8.07	5.06	3.26	1.57	2.96	5.58	6.87	7.92	8.53	7.60
21	7.51	8.15	8.07	4.49	3.28	1.22	3.07	5.65	6.92	7.97	8.54	7.70
22	7.53	8.16	8.08	4.21	3.35	1.19	3.15	5.74	6.96	8.01	8.58	7.78
23	7.55	8.17	8.09	3.98	3.45	1.54	3.36	5.81	7.02	8.06	8.62	7.85
24	7.57	8.19	8.08	3.61	3.53	1.81	3.53	5.87	7.08	8.09	8.66	7.92
25	7.60	8.19	8.08	3.29	3.62	2.03	3.58	5.97	7.17	8.02	8.68	7.98
26	7.63	8.19	8.07	3.07	3.64	2.22	3.71	6.09	7.26	7.93	8.70	8.02
27	7.67	8.18	8.06	3.01	3.64	1.67	3.85	6.20	7.34	7.86	8.71	8.05
28	7.71	8.17	8.06	3.04	3.75	1.51	3.82	6.28	7.19	7.73	8.34	8.10
29	7.74	8.17	8.06	3.03	---	1.76	3.83	6.35	7.12	7.60	7.40	8.15
30	7.76	8.17	8.07	3.08	---	1.95	4.03	6.41	7.14	7.55	7.50	8.20
31	7.79	---	8.08	3.19	---	1.93	---	6.47	---	7.55	7.21	---

WTR YR 2002 MEAN 6.17 HIGH 0.98 LOW 8.71

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