

Water-Data Report 2008

361420077111407 Local number BE-080 (NC-154), NCDENR Roxobel Research Station well F22b7 (Surficial)

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
Bertie County, NC

LOCATION.--Lat 36°14'21", long 77°11'13" referenced to North American Datum of 1983, Bertie County, NC, Hydrologic Unit 03010203, 3.8 mi northeast of Roxobel on Secondary Road 1249. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

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

DATUM.--Land-surface datum is 74 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of instrument shelf, 3.05 ft above land-surface datum, November 14, 1986 to present.

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

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.27 ft below land-surface datum, January 30, 31, 2000; lowest water level recorded, 9.42 ft below land-surface datum, September 26, 27, 2008.

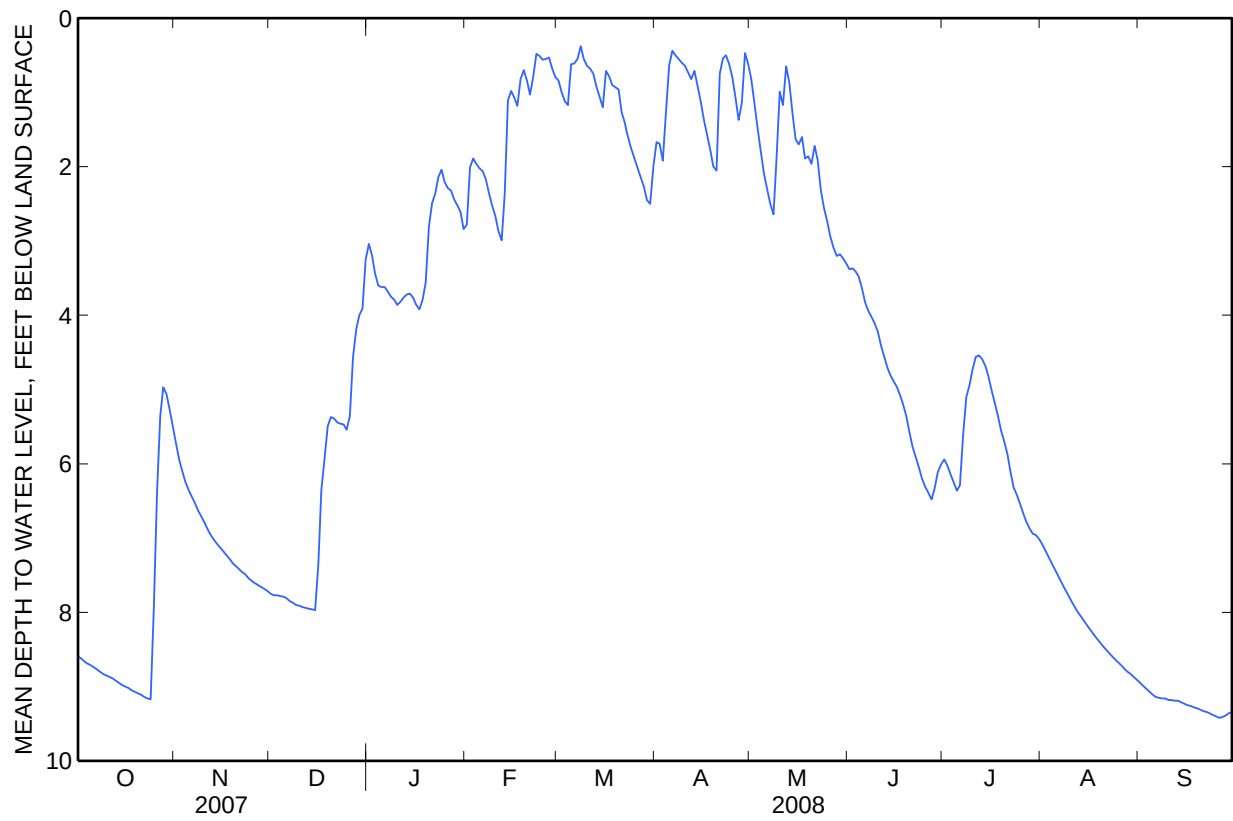
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.59	5.72	7.75	3.04	2.78	0.84	1.67	0.82	3.38	5.94	7.08	8.95
2	8.62	5.94	7.77	3.19	2.01	1.00	1.69	1.15	3.37	6.02	7.16	8.99
3	8.66	6.10	7.77	3.44	1.89	1.12	1.92	1.49	3.41	6.14	7.25	9.03
4	8.69	6.25	7.78	3.60	1.96	1.17	1.26	1.80	3.48	6.25	7.34	9.07
5	8.71	6.35	7.79	3.62	2.02	0.62	0.63	2.09	3.64	6.36	7.42	9.11
6	8.74	6.44	7.81	3.62	2.06	0.61	0.44	2.30	3.83	6.29	7.50	9.14
7	8.77	6.53	7.85	3.68	2.17	0.55	0.50	2.50	3.94	5.61	7.59	9.15
8	8.80	6.63	7.87	3.75	2.35	0.38	0.55	2.64	4.02	5.10	7.67	9.16
9	8.83	6.71	7.90	3.79	2.52	0.55	0.60	1.88	4.11	4.94	7.75	9.16
10	8.85	6.79	7.91	3.86	2.66	0.64	0.64	0.99	4.22	4.73	7.83	9.18
11	8.87	6.88	7.93	3.82	2.87	0.68	0.73	1.17	4.40	4.56	7.90	9.18
12	8.89	6.96	7.94	3.76	2.99	0.75	0.82	0.65	4.55	4.54	7.98	9.19
13	8.92	7.02	7.95	3.72	2.37	0.92	0.71	0.87	4.70	4.59	8.04	9.19
14	8.95	7.08	7.96	3.71	1.11	1.06	0.92	1.27	4.81	4.68	8.10	9.21
15	8.98	7.13	7.97	3.76	0.98	1.20	1.12	1.63	4.89	4.82	8.16	9.23
16	9.00	7.18	7.36	3.86	1.07	0.71	1.37	1.70	4.96	5.01	8.22	9.25
17	9.02	7.23	6.35	3.92	1.18	0.78	1.57	1.60	5.07	5.18	8.28	9.26
18	9.05	7.28	5.93	3.79	0.82	0.90	1.78	1.89	5.20	5.36	8.34	9.28
19	9.07	7.34	5.49	3.56	0.70	0.93	2.00	1.86	5.36	5.55	8.39	9.29
20	9.09	7.38	5.37	2.81	0.84	0.96	2.05	1.96	5.57	5.70	8.44	9.31
21	9.11	7.42	5.39	2.49	1.03	1.27	0.75	1.72	5.77	5.87	8.49	9.33
22	9.14	7.46	5.44	2.36	0.79	1.41	0.54	1.91	5.91	6.12	8.54	9.34
23	9.16	7.49	5.46	2.14	0.48	1.61	0.50	2.32	6.05	6.32	8.59	9.36
24	9.17	7.54	5.47	2.04	0.51	1.75	0.62	2.56	6.20	6.42	8.63	9.38
25	7.94	7.58	5.54	2.21	0.56	1.90	0.80	2.74	6.31	6.54	8.67	9.40
26	6.38	7.61	5.36	2.29	0.55	2.01	1.08	2.94	6.39	6.67	8.71	9.42
27	5.36	7.63	4.56	2.32	0.53	2.14	1.37	3.09	6.48	6.78	8.76	9.41
28	4.97	7.66	4.19	2.44	0.68	2.27	1.14	3.20	6.33	6.87	8.80	9.39
29	5.06	7.69	4.00	2.52	0.79	2.45	0.47	3.18	6.11	6.94	8.83	9.36
30	5.27	7.71	3.91	2.61	---	2.50	0.62	3.23	6.01	6.96	8.87	9.34
31	5.50	---	3.25	2.84	---	2.00	---	3.30	---	7.01	8.91	---
Mean	8.20	7.02	6.48	3.18	1.49	1.22	1.03	2.01	4.95	5.80	8.14	9.24
Max	9.17	7.71	7.97	3.92	2.99	2.50	2.05	3.30	6.48	7.01	8.91	9.42
Min	4.97	5.72	3.25	2.04	0.48	0.38	0.44	0.65	3.37	4.54	7.08	8.95

Water Year 2008	
Mean	4.91
High	0.38
Low	9.42

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