



Water-Data Report 2007

351849078163901 Local number WA-154, NC-148

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

LOCATION.--Lat 35°18'35", long 78°16'28" referenced to North American Datum of 1983, Wayne County, NC, Hydrologic Unit 03020201, 0.5 mi south of Johnston/Wayne county line on Secondary Road 1009, and 6 mi west of Grantham. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Bored observation well, augered to 10.4 ft, diameter 3 in., cased to 5.4 ft, screened interval from 5.4 to 10.4 ft.

DATUM.--Land-surface datum is 190 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: file cut on top of casing, 1.80 ft above land-surface datum, Jan. 29, 1980, to present.

PERIOD OF RECORD.--February 1980 to current year. Records for June 17 to Sept. 30, 1987, published in Water Resources Data, North Carolina, NC-87-1, are unreliable and should not be used.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.04 ft above land-surface datum, May 2, 1989; lowest water level recorded, 8.65 ft below land-surface datum, September 24, 25, 1997.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.02	1.63	0.70	0.65	1.00	1.32	1.86	2.34	4.11	5.65	4.16	6.07
2	3.08	1.72	0.76	0.75	0.19	0.79	1.89	2.43	4.19	5.67	4.11	6.13
3	3.15	1.83	0.94	0.91	0.16	0.57	1.92	2.52	4.23	5.70	4.17	6.18
4	3.22	1.93	0.81	1.01	0.28	0.80	1.97	2.60	4.20	5.73	4.27	6.23
5	3.29	2.00	0.94	1.05	0.44	1.04	2.04	2.65	4.23	5.76	4.39	6.28
6	3.35	2.04	1.07	0.75	0.64	1.22	2.11	2.63	4.30	5.79	4.51	6.33
7	3.40	1.82	1.13	0.71	0.77	1.35	2.16	2.67	4.36	5.82	4.63	6.38
8	3.26	0.74	1.23	0.40	0.91	1.43	2.21	2.75	4.42	5.85	4.72	6.42
9	2.97	0.81	1.33	0.20	1.05	1.52	2.25	2.81	4.48	5.88	4.81	6.47
10	2.93	1.05	1.38	0.31	1.16	1.57	2.29	2.86	4.54	5.92	4.80	6.51
11	2.98	1.23	1.41	0.49	1.26	1.60	2.32	2.92	4.61	5.90	4.66	6.56
12	3.05	1.02	1.45	0.65	1.33	1.65	1.58	2.99	4.68	5.91	4.55	6.60
13	3.14	0.71	1.45	0.79	1.33	1.69	1.12	3.06	4.75	5.93	4.54	6.65
14	3.24	0.89	1.45	0.90	0.47	1.72	1.31	3.12	4.81	5.95	4.60	6.69
15	3.32	1.09	1.46	1.00	0.28	1.75	0.94	3.18	4.87	5.97	4.72	6.46
16	3.39	0.69	1.52	1.07	0.42	1.41	0.22	3.25	4.93	5.99	4.84	5.95
17	3.44	0.19	1.58	1.20	0.61	0.47	0.34	3.15	4.99	6.01	4.93	5.69
18	2.97	0.25	1.61	1.08	0.76	0.62	0.60	2.92	5.05	4.94	5.01	5.59
19	2.49	0.36	1.64	0.53	0.97	0.90	0.88	2.97	5.12	3.75	5.08	5.57
20	2.47	0.49	1.68	0.66	1.09	1.09	1.11	3.08	5.18	3.71	5.16	5.57
21	2.56	0.54	1.71	0.86	1.15	1.24	1.30	3.22	5.22	3.80	5.24	5.59
22	2.62	0.08	1.63	0.30	1.21	1.36	1.46	3.34	5.27	3.90	5.32	5.62
23	2.50	0.07	0.46	0.16	1.32	1.43	1.59	3.43	5.32	4.00	5.40	5.64
24	2.50	0.15	0.30	0.24	1.43	1.51	1.69	3.51	5.36	4.10	5.48	5.67
25	2.56	0.25	0.30	0.36	1.41	1.59	1.78	3.59	5.41	4.21	5.55	5.70
26	2.64	0.35	0.09	0.52	0.92	1.68	1.87	3.66	5.45	4.31	5.63	5.74
27	2.67	0.46	0.16	0.67	1.00	1.73	1.96	3.74	5.50	4.40	5.70	5.78
28	1.43	0.58	0.26	0.75	1.19	1.79	2.04	3.81	5.54	4.48	5.78	5.83
29	1.20	0.69	0.37	0.88	---	1.75	2.14	3.89	5.58	4.54	5.85	5.90
30	1.39	0.78	0.49	1.05	---	1.67	2.24	3.96	5.62	4.61	5.92	5.97
31	1.53	---	0.59	1.15	---	1.76	---	4.04	---	4.43	6.00	---
Mean	2.77	0.88	1.03	0.71	0.88	1.36	1.64	3.13	4.88	5.12	4.98	6.06
Max	3.44	2.04	1.71	1.20	1.43	1.79	2.32	4.04	5.62	6.01	6.00	6.69
Min	1.20	0.07	0.09	0.16	0.16	0.47	0.22	2.34	4.11	3.71	4.11	5.57

Water Year 2007	
Mean	2.80
High	0.07
Low	6.69

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