



Water-Data Report 2010

351849078163901 Local number WA-154 (NC-148), near Grantham, NC (Surficial)

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

LOCATION.--Lat 35°18'35", long 78°16'22" 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.

GROUNDWATER 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. Measuring point: file cut on top of casing, 1.80 ft above land-surface datum, January 29, 1980 to present.

PERIOD OF RECORD.--February 1980 to current year. Records for June 17 to September 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. Satellite telemetry at station.

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.

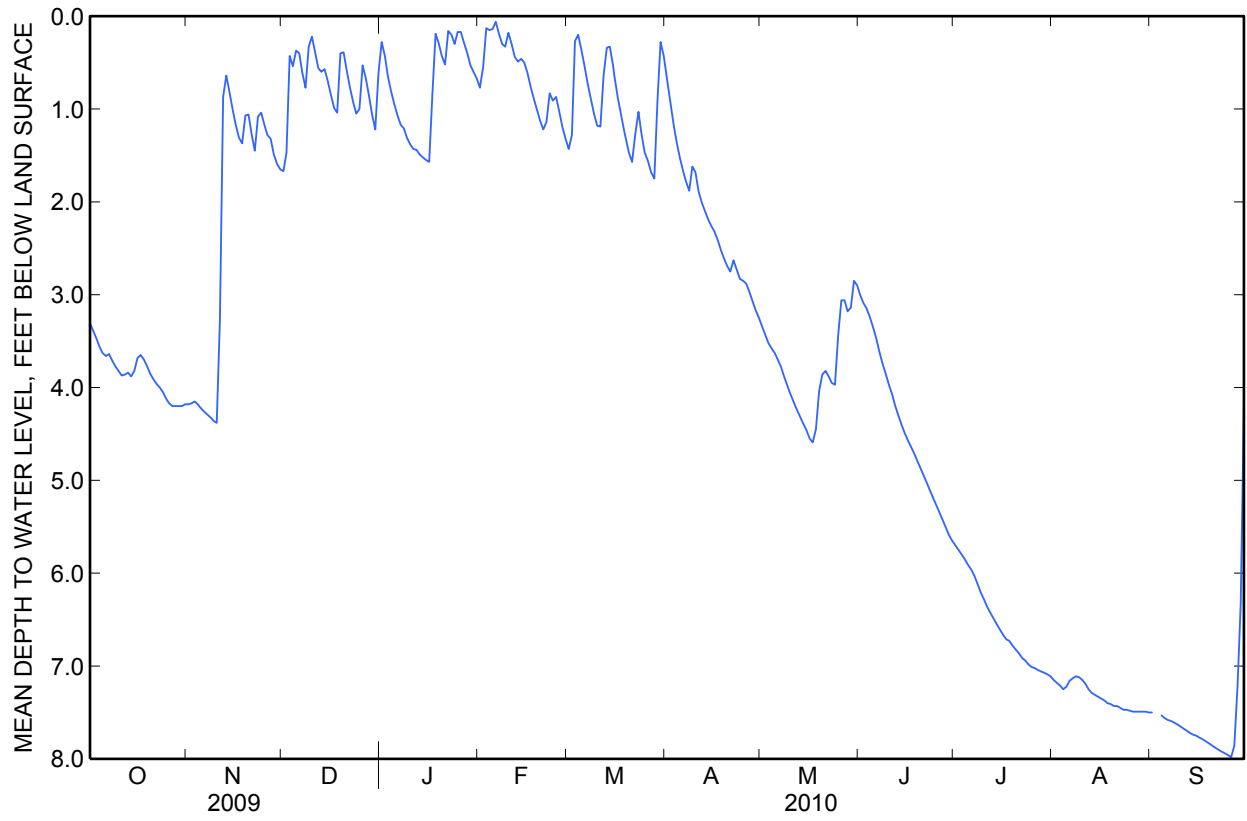
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.31	4.18	1.67	0.28	0.77	1.43	0.67	3.34	3.01	5.70	7.15	7.50
2	3.39	4.17	1.47	0.43	0.55	1.28	0.92	3.43	3.09	5.75	7.18	---
3	3.47	4.15	0.43	0.65	0.13	0.27	1.15	3.52	3.15	5.80	7.21	---
4	3.56	4.18	0.54	0.81	0.15	0.20	1.34	3.58	3.24	5.85	7.25	7.53
5	3.63	4.22	0.37	0.95	0.14	0.36	1.51	3.63	3.35	5.91	7.22	7.56
6	3.66	4.26	0.40	1.07	0.06	0.54	1.66	3.70	3.47	5.96	7.16	7.58
7	3.64	4.29	0.61	1.17	0.19	0.73	1.78	3.78	3.61	6.03	7.13	7.59
8	3.71	4.32	0.77	1.21	0.30	0.89	1.88	3.88	3.74	6.12	7.11	7.61
9	3.77	4.36	0.33	1.31	0.33	1.05	1.62	3.98	3.85	6.21	7.12	7.63
10	3.82	4.38	0.22	1.38	0.18	1.18	1.68	4.08	3.97	6.28	7.15	7.65
11	3.87	3.27	0.39	1.43	0.30	1.19	1.89	4.16	4.07	6.36	7.19	7.67
12	3.86	0.87	0.56	1.44	0.44	0.64	2.01	4.24	4.20	6.42	7.25	7.70
13	3.84	0.64	0.60	1.49	0.49	0.34	2.10	4.31	4.30	6.49	7.29	7.72
14	3.88	0.82	0.57	1.52	0.46	0.33	2.19	4.39	4.40	6.55	7.31	7.74
15	3.82	1.01	0.70	1.55	0.50	0.53	2.26	4.46	4.49	6.60	7.33	7.75
16	3.68	1.17	0.85	1.57	0.61	0.77	2.32	4.55	4.57	6.66	7.35	7.77
17	3.65	1.31	0.99	0.84	0.76	0.98	2.41	4.59	4.64	6.71	7.37	7.79
18	3.70	1.37	1.04	0.19	0.89	1.15	2.52	4.45	4.71	6.73	7.40	7.81
19	3.77	1.07	0.40	0.29	1.01	1.31	2.61	4.04	4.79	6.78	7.41	7.83
20	3.85	1.06	0.39	0.43	1.13	1.47	2.69	3.86	4.87	6.82	7.43	7.86
21	3.91	1.27	0.59	0.52	1.22	1.57	2.75	3.82	4.95	6.86	7.43	7.88
22	3.96	1.45	0.77	0.16	1.14	1.27	2.63	3.88	5.03	6.91	7.45	7.90
23	4.00	1.08	0.92	0.20	0.83	1.03	2.73	3.95	5.11	6.94	7.47	7.92
24	4.05	1.04	1.05	0.30	0.91	1.27	2.83	3.97	5.19	6.98	7.47	7.94
25	4.12	1.17	1.00	0.17	0.87	1.47	2.85	3.44	5.27	7.01	7.48	7.96
26	4.17	1.28	0.53	0.17	1.02	1.56	2.88	3.06	5.35	7.02	7.49	7.98
27	4.20	1.32	0.67	0.29	1.19	1.68	2.97	3.06	5.43	7.04	7.49	7.86
28	4.20	1.49	0.86	0.40	1.32	1.75	3.07	3.18	5.51	7.06	7.49	7.22
29	4.20	1.59	1.06	0.53	---	0.90	3.17	3.14	5.59	7.07	7.49	6.33
30	4.20	1.65	1.22	0.60	---	0.28	3.25	2.85	5.65	7.09	7.49	4.18
31	4.18	---	0.61	0.67	---	0.43	---	2.90	---	7.11	7.50	---
Mean	3.84	2.28	0.73	0.77	0.64	0.96	2.21	3.78	4.42	6.54	7.33	7.55
Max	4.20	4.38	1.67	1.57	1.32	1.75	3.25	4.59	5.65	7.11	7.50	7.98
Min	3.31	0.64	0.22	0.16	0.06	0.20	0.67	2.85	3.01	5.70	7.11	4.18

Water Year 2010	
Mean	3.41
High	0.06
Low	7.98

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