

Water-Data Report 2010

**354418076463601 Local number WS-100 (NC-158) near Hoke, NC (Surficial)**

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

LOCATION.--Lat 35°44'20", long 76°46'31" referenced to North American Datum of 1983, Washington County, NC, Hydrologic Unit 03020104, 2.4 mi west of North Carolina Highway 32 on Secondary Road 1101. Owner: U.S. Geological Survey.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 15 ft, diameter 4 in., screened interval from 10 to 15 ft.

DATUM.--Land-surface datum is 35 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of instrument shelf, 2.49 ft above land-surface datum, December 16, 1986 to present.

PERIOD OF RECORD.--December 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, 0.50 ft below land-surface datum, March 2, 3, 1994; lowest water level recorded, 7.23 ft below land-surface datum, September 26, 27, 2010.

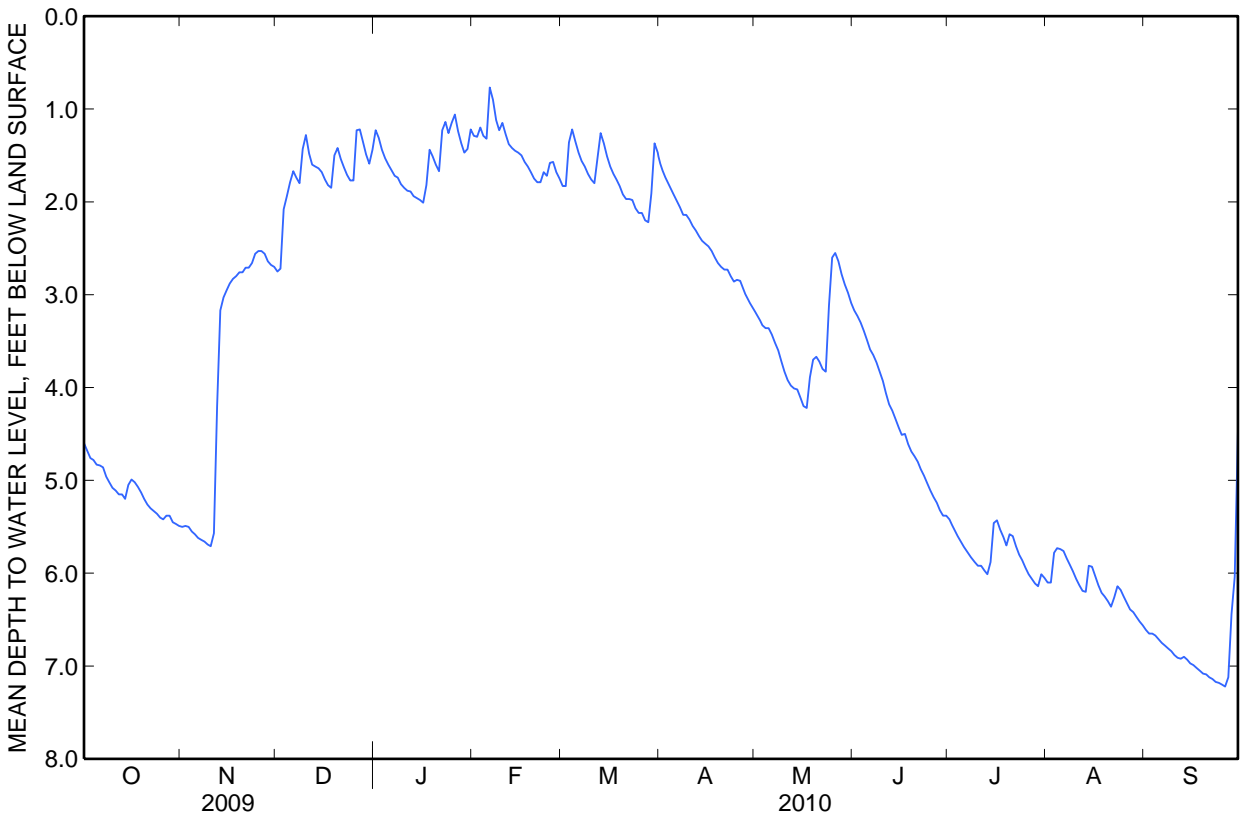
## 354418076463601 Local number WS-100 (NC-158) near Hoke, NC (Surficial)—Continued

**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	4.60	5.50	2.75	1.23	1.29	1.83	1.61	3.20	3.17	5.42	6.10	6.61
2	4.68	5.49	2.72	1.31	1.30	1.83	1.71	3.26	3.23	5.50	6.10	6.65
3	4.76	5.50	2.08	1.44	1.20	1.36	1.78	3.33	3.30	5.56	5.78	6.65
4	4.78	5.55	1.94	1.53	1.29	1.22	1.85	3.36	3.39	5.62	5.73	6.67
5	4.83	5.58	1.79	1.60	1.32	1.35	1.92	3.36	3.49	5.68	5.74	6.71
6	4.84	5.62	1.67	1.66	0.77	1.47	1.99	3.43	3.59	5.74	5.76	6.75
7	4.86	5.64	1.74	1.72	0.90	1.56	2.06	3.52	3.65	5.79	5.84	6.78
8	4.96	5.66	1.80	1.74	1.12	1.62	2.14	3.60	3.73	5.84	5.91	6.81
9	5.02	5.69	1.43	1.81	1.23	1.70	2.14	3.72	3.83	5.88	5.98	6.84
10	5.08	5.71	1.28	1.85	1.15	1.76	2.19	3.83	3.93	5.92	6.06	6.88
11	5.11	5.57	1.48	1.88	1.27	1.80	2.26	3.92	4.06	5.92	6.13	6.91
12	5.15	4.20	1.60	1.89	1.38	1.52	2.31	3.98	4.18	5.97	6.19	6.92
13	5.15	3.17	1.62	1.94	1.42	1.26	2.37	4.01	4.25	6.01	6.20	6.90
14	5.20	3.03	1.64	1.96	1.45	1.37	2.42	4.02	4.34	5.88	5.92	6.93
15	5.05	2.95	1.68	1.98	1.47	1.51	2.45	4.11	4.43	5.46	5.93	6.97
16	4.99	2.88	1.76	2.01	1.50	1.62	2.48	4.20	4.51	5.43	6.03	6.99
17	5.02	2.83	1.82	1.82	1.57	1.70	2.53	4.22	4.50	5.53	6.13	7.02
18	5.07	2.80	1.85	1.44	1.62	1.76	2.60	3.89	4.61	5.61	6.21	7.05
19	5.13	2.76	1.50	1.51	1.68	1.83	2.66	3.70	4.69	5.70	6.25	7.08
20	5.20	2.76	1.42	1.60	1.75	1.92	2.70	3.67	4.74	5.58	6.30	7.09
21	5.26	2.71	1.54	1.67	1.79	1.97	2.73	3.72	4.80	5.60	6.36	7.12
22	5.30	2.71	1.63	1.23	1.79	1.97	2.73	3.80	4.88	5.71	6.26	7.14
23	5.33	2.66	1.71	1.14	1.68	1.98	2.80	3.83	4.95	5.80	6.14	7.17
24	5.36	2.56	1.77	1.26	1.72	2.07	2.86	3.12	5.03	5.86	6.18	7.18
25	5.40	2.53	1.77	1.15	1.58	2.12	2.84	2.60	5.11	5.94	6.25	7.20
26	5.42	2.53	1.23	1.06	1.57	2.12	2.85	2.55	5.18	6.01	6.32	7.22
27	5.38	2.56	1.22	1.24	1.68	2.20	2.94	2.64	5.24	6.06	6.39	7.12
28	5.38	2.64	1.35	1.37	1.75	2.22	3.02	2.78	5.32	6.11	6.42	6.44
29	5.45	2.68	1.49	1.47	---	1.91	3.09	2.89	5.38	6.14	6.47	6.04
30	5.47	2.70	1.59	1.43	---	1.37	3.14	2.98	5.38	6.01	6.52	4.48
31	5.49	---	1.44	1.22	---	1.47	---	3.09	---	6.05	6.56	---
<b>Mean</b>	5.12	3.84	1.69	1.55	1.44	1.72	2.44	3.49	4.36	5.78	6.13	6.81
<b>Max</b>	5.49	5.71	2.75	2.01	1.79	2.22	3.14	4.22	5.38	6.14	6.56	7.22
<b>Min</b>	4.60	2.53	1.22	1.06	0.77	1.22	1.61	2.55	3.17	5.42	5.73	4.48

<b>Water Year 2010</b>	
<b>Mean</b>	3.71
<b>High</b>	0.77
<b>Low</b>	7.22

354418076463601 Local number WS-100 (NC-158) near Hoke, NC (Surficial)—Continued



354418076463601 Local number WS-100 (NC-158) near Hoke, NC (Surficial)—Continued

