

Water-Data Report 2007

**354418076463601 Local number WS-100, NC-158**

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.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 15.53 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.

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. Data from July 12 to September 30, 2007 found to be unreliable and is not published.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.50 ft below land-surface datum, March 2, 3, 1994; lowest water level recorded, 6.51 ft below land-surface datum, October 17, 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	2.89	2.23	1.80	1.80	1.74	2.09	2.53	2.74	3.93	4.33	---	---
2	2.96	2.29	1.79	1.61	1.41	1.97	2.57	2.81	4.01	4.25	---	---
3	3.01	2.36	1.87	1.69	1.43	1.82	2.61	2.88	3.90	4.26	---	---
4	3.06	2.42	1.90	1.76	1.55	1.91	2.55	2.89	3.74	4.31	---	---
5	3.12	2.46	1.95	1.81	1.66	2.00	2.52	2.88	3.83	4.40	---	---
6	3.15	2.49	2.00	1.65	1.74	2.08	2.59	2.78	3.97	4.51	---	---
7	2.92	2.45	2.01	1.62	1.78	2.13	2.63	2.72	4.09	4.61	---	---
8	2.84	1.74	2.08	1.66	1.86	2.18	2.68	2.78	4.18	4.69	---	---
9	2.81	1.64	2.12	1.76	1.91	2.24	2.71	2.77	4.25	4.78	---	---
10	2.80	1.76	2.14	1.86	1.96	2.27	2.73	2.78	4.32	4.82	---	---
11	2.88	1.86	2.17	1.94	2.01	2.30	2.74	2.83	4.37	4.49	---	---
12	2.93	1.81	2.20	1.97	2.05	2.34	2.71	2.89	4.42	---	---	---
13	3.00	1.36	2.21	2.00	2.06	2.37	2.72	2.84	4.49	---	---	---
14	3.06	1.42	2.23	2.05	1.82	2.40	2.75	2.84	4.53	---	---	---
15	3.12	1.55	2.24	2.09	1.76	2.44	2.44	2.91	4.58	---	---	---
16	3.18	1.61	2.30	2.12	1.82	2.37	1.56	2.97	4.62	---	---	---
17	3.21	1.57	2.34	2.18	1.88	1.88	1.57	3.01	4.42	---	---	---
18	2.83	1.68	2.36	2.18	1.93	1.85	1.71	2.91	4.38	---	---	---
19	2.54	1.76	2.38	1.94	2.02	1.94	1.83	2.89	4.51	---	---	---
20	2.58	1.84	2.41	1.94	2.05	2.01	1.92	2.98	4.61	---	---	---
21	2.69	1.88	2.43	2.02	2.08	2.10	2.01	3.07	4.62	---	---	---
22	2.73	1.21	2.43	1.55	2.09	2.14	2.09	3.14	4.72	---	---	---
23	2.74	1.07	2.00	1.32	2.13	2.20	2.17	3.20	4.79	---	---	---
24	2.81	1.25	1.79	1.45	2.19	2.27	2.25	3.27	4.84	---	---	---
25	2.87	1.39	1.77	1.55	2.19	2.33	2.33	3.34	4.89	---	---	---
26	2.91	1.49	1.42	1.66	1.93	2.39	2.41	3.41	4.93	---	---	---
27	2.93	1.57	1.51	1.73	1.94	2.42	2.47	3.49	5.02	---	---	---
28	2.33	1.63	1.65	1.74	2.02	2.47	2.53	3.57	5.04	---	---	---
29	2.04	1.70	1.72	1.62	---	2.44	2.60	3.66	5.02	---	---	---
30	2.10	1.76	1.78	1.66	---	2.42	2.67	3.76	4.59	---	---	---
31	2.17	---	1.83	1.73	---	2.48	---	3.85	---	---	---	---
<b>Mean</b>	2.81	1.77	2.03	1.80	1.89	2.20	2.39	3.06	4.45	4.50	---	---
<b>Max</b>	3.21	2.49	2.43	2.18	2.19	2.48	2.75	3.85	5.04	4.82	---	---
<b>Min</b>	2.04	1.07	1.42	1.32	1.41	1.82	1.56	2.72	3.74	4.25	---	---

<b>Water Year 2007</b>	
<b>Mean</b>	2.57
<b>High</b>	1.07
<b>Low</b>	5.04

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