

Water-Data Report 2007

353219077153801 Local number PI-532, NC-160

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

LOCATION.--Lat 35°32'18", long 77°15'41" referenced to North American Datum of 1983, Pitt County, NC, Hydrologic Unit 03020103, 2.7 mi southwest of Simpson at intersection of Secondary Roads 1755 and 1769. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Bored observation well, augered to 12 ft, diameter 6 in., cased to 5.9 ft, screened interval from 5.9 to 10.9 ft.

DATUM.--Land-surface datum is 56.27 ft above National Geodetic Vertical Datum of 1929 (levels by Soil Conservation Service). Measuring point: instrument shelf, 3.72 ft above land-surface datum.

PERIOD OF RECORD.--December 1976 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, 0.55 ft below land-surface datum, September 16, 1999; lowest water level recorded, 8.87 ft below land-surface datum, October 10, 2002.

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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	4.05	3.15	3.05	3.00	3.09	3.58	4.16	3.98	5.02	5.11	6.37	8.01
2	4.14	3.20	3.09	2.82	2.64	3.48	4.20	4.05	5.06	5.32	6.50	8.05
3	4.19	3.30	3.12	2.91	2.82	3.43	4.26	4.11	4.49	5.49	6.63	8.10
4	4.24	3.36	3.16	2.98	2.94	3.50	4.28	4.15	4.29	5.62	6.72	8.14
5	4.29	3.40	3.22	3.00	3.06	3.55	4.39	4.20	4.38	5.74	6.82	8.18
6	4.27	3.44	3.24	2.87	3.12	3.62	4.41	3.78	4.50	5.88	6.89	8.21
7	4.01	3.24	3.27	2.89	3.17	3.61	4.43	3.67	4.61	6.00	6.98	8.25
8	4.01	2.56	3.35	2.91	3.24	3.68	4.50	3.67	4.69	6.08	7.06	8.28
9	3.85	2.75	3.38	2.99	3.28	3.71	4.53	3.67	4.80	6.22	7.14	8.28
10	3.76	2.90	3.41	3.12	3.33	3.72	4.57	3.71	4.91	6.18	7.06	8.32
11	3.79	2.98	3.45	3.18	3.38	3.75	4.57	3.80	5.03	5.42	6.91	8.35
12	3.85	2.72	3.47	3.20	3.39	3.80	4.51	3.82	5.11	5.24	7.13	8.38
13	3.94	2.50	3.47	3.22	3.38	3.82	4.61	3.68	5.18	5.48	7.23	8.41
14	3.99	2.68	3.48	3.26	3.24	3.85	4.65	3.79	5.26	5.66	7.32	8.44
15	4.08	2.80	3.49	3.27	3.32	3.87	3.31	3.88	5.35	5.81	7.40	7.90
16	4.14	2.74	3.56	3.30	3.37	3.78	2.43	3.95	5.42	5.97	7.46	7.86
17	4.12	2.65	3.59	3.39	3.39	3.62	2.74	3.95	5.51	6.11	7.50	7.94
18	3.61	2.78	3.62	3.29	3.43	3.68	2.90	3.87	5.62	5.10	7.59	8.05
19	3.41	2.88	3.64	3.12	3.50	3.73	3.00	3.96	5.72	4.78	7.65	8.14
20	3.46	2.97	3.68	3.20	3.49	3.78	3.11	4.07	5.55	4.91	7.69	8.16
21	3.59	2.95	3.70	3.24	3.51	3.83	3.22	4.18	5.26	5.05	7.68	8.15
22	3.57	2.11	3.67	2.69	3.52	3.83	3.31	4.26	5.44	5.20	7.23	8.24
23	3.58	2.44	3.01	2.76	3.61	3.86	3.38	4.34	5.60	5.33	7.41	8.31
24	3.67	2.63	3.00	2.88	3.64	3.92	3.42	4.41	5.75	5.47	7.56	8.37
25	3.75	2.77	2.80	2.97	3.59	3.97	3.48	4.47	5.82	5.61	7.68	8.43
26	3.80	2.86	2.55	3.08	3.48	4.00	3.57	4.55	5.81	5.75	7.75	8.46
27	3.80	2.93	2.78	3.13	3.52	4.02	3.61	4.63	5.95	5.88	7.73	8.47
28	2.83	2.98	2.91	3.11	3.58	4.05	3.70	4.70	6.04	6.03	7.81	8.49
29	2.88	3.02	3.00	3.15	---	4.07	3.80	4.79	5.91	6.18	7.87	8.54
30	3.00	3.05	3.05	3.19	---	4.11	3.89	4.87	5.26	6.13	7.91	8.56
31	3.07	---	3.09	3.27	---	4.13	---	4.95	---	6.17	7.96	---
Mean	3.77	2.89	3.27	3.08	3.32	3.79	3.83	4.13	5.24	5.64	7.31	8.25
Max	4.29	3.44	3.70	3.39	3.64	4.13	4.65	4.95	6.04	6.22	7.96	8.56
Min	2.83	2.11	2.55	2.69	2.64	3.43	2.43	3.67	4.29	4.78	6.37	7.86

Water Year 2007	
Mean	4.55
High	2.11
Low	8.56

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