

Water-Data Report 2007

**361829076163201 Local number PK-141, NC-195**

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

LOCATION.--Lat 36°18'30", long 76°16'31" referenced to North American Datum of 1983, Pasquotank County, NC, Hydrologic Unit 03010205, northwest of Elizabeth City, 1.2 mi west of Secondary Road 1307 on Secondary Road 1309. Owner: U.S. Geological Survey.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.-- Bored observation well, augered to 13.0 ft, diameter 4 in., cased to 2.4 ft, screened interval from 2.4 to 12.4 ft. Well depth 12.6 ft.

DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: top of 4-in. PVC coupling, 2.65 ft above land-surface datum, September 17, 1991, to August 1, 2003; top of instrument shelf, 3.38 ft above land-surface datum, August 1, 2003 to present. Land-surface datum is 15 ft above NGVD of 1929 (from topographic map). Measuring point: Top of instrument shelf, 3.38 ft above land-surface datum.

PERIOD OF RECORD.--October 1991 to current year.

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

REMARKS.--In October 1991, well replaced nearby NC-143 (station number 361828076163401). Well is part of climatic-effects network. Negative values of water levels in feet below land surface indicate ground-water levels that are above land surface.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, -0.33 ft above land-surface datum, September 1, 2006; lowest water level recorded, 6.15 ft below land-surface datum, January 2, 2002.

## 361829076163201 Local number PK-141, NC-195—Continued

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

[- (minus sign), value is water level above land surface]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.47	3.11	0.37	0.66	0.43	0.52	1.66	2.10	3.56	3.88	5.28	5.25
2	2.62	3.15	0.42	0.43	0.20	0.30	1.70	2.21	3.61	3.84	5.32	5.33
3	2.71	3.38	0.53	0.58	0.30	0.42	1.78	2.36	---	3.93	5.33	5.31
4	2.75	3.53	0.48	0.60	0.45	0.56	1.76	2.40	---	3.95	5.33	5.32
5	2.81	3.55	0.52	0.51	0.56	0.68	1.86	2.43	---	3.96	5.34	5.41
6	2.84	3.55	0.58	0.16	0.66	0.83	1.94	---	3.37	4.01	5.16	5.49
7	2.77	3.25	0.61	0.19	0.66	0.87	1.93	---	3.49	4.11	5.16	5.49
8	2.86	1.39	0.75	0.20	0.72	0.93	2.04	---	3.55	4.16	5.18	5.48
9	2.88	1.35	0.83	0.27	0.78	1.01	2.10	---	3.61	4.32	5.24	5.42
10	2.89	1.51	0.88	0.48	0.83	1.06	2.16	---	3.72	4.42	5.22	5.50
11	2.89	1.59	0.92	0.63	0.90	1.09	2.19	1.35	3.83	4.45	5.31	5.48
12	2.87	1.20	0.98	0.67	0.93	1.15	1.95	1.52	3.89	4.58	5.37	5.60
13	3.05	0.67	1.00	0.70	0.93	1.19	1.92	1.61	---	4.69	5.32	5.64
14	3.15	0.77	0.99	0.74	0.16	1.23	1.99	1.80	4.09	4.74	5.38	5.58
15	3.29	0.93	0.99	0.77	0.27	1.27	1.14	1.94	4.17	4.79	5.42	5.61
16	3.43	0.80	1.06	0.68	0.41	0.98	0.36	2.04	4.23	4.88	5.43	5.72
17	3.44	0.68	1.15	0.82	0.48	0.58	0.63	2.11	4.28	4.94	5.37	5.73
18	3.27	0.84	1.17	0.78	0.53	0.79	0.80	2.06	4.37	4.91	5.46	5.72
19	3.26	0.95	1.23	0.41	0.69	0.96	0.92	2.10	4.43	4.93	5.45	5.70
20	3.22	1.06	1.32	0.57	0.72	1.03	1.04	2.20	4.47	4.98	5.44	5.71
21	3.51	---	1.35	0.65	0.76	1.12	1.15	2.34	4.56	5.07	5.45	5.72
22	3.54	---	1.33	0.01	0.79	1.17	1.27	2.51	4.57	5.10	4.96	5.74
23	3.49	---	0.95	-0.03	0.89	1.21	1.37	2.66	4.66	5.12	4.86	5.79
24	3.62	---	1.04	0.01	0.98	1.27	1.42	2.80	4.75	5.16	4.84	5.82
25	3.76	---	0.79	0.13	0.82	1.34	1.49	2.86	4.83	5.19	4.85	5.81
26	3.88	---	0.20	0.32	0.13	1.39	1.59	2.91	4.81	5.20	4.92	5.79
27	3.86	---	0.43	0.41	0.27	1.42	1.65	3.02	4.59	5.18	5.01	5.74
28	2.92	---	0.62	0.38	0.47	1.47	1.72	3.15	4.57	5.18	5.07	5.76
29	2.91	---	0.73	0.40	---	1.54	1.85	3.26	4.62	5.20	5.09	5.92
30	3.05	0.35	0.78	0.44	---	1.59	1.97	3.38	4.50	5.22	5.09	5.93
31	3.09	---	0.81	0.50	---	1.62	---	3.48	---	5.24	5.14	---
<b>Mean</b>	3.13	1.79	0.83	0.45	0.60	1.05	1.58	2.41	4.20	4.69	5.22	5.62
<b>Max</b>	3.88	3.55	1.35	0.82	0.98	1.62	2.19	3.48	4.83	5.24	5.46	5.93
<b>Min</b>	2.47	0.35	0.20	-0.03	0.13	0.30	0.36	1.35	3.37	3.84	4.84	5.25

---

**Water Year 2007**

---

<b>Mean</b>	2.65
<b>High</b>	-0.03
<b>Low</b>	5.93

---

361829076163201 Local number PK-141, NC-195—Continued

