

Water-Data Report 2007

**335631078003606 Local number BR-083, DENR Southport Research Station well GG32t6.**

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

LOCATION.--Lat 33°56'31", long 78°00'35" referenced to North American Datum of 1983, Brunswick County, NC, Hydrologic Unit 03030005, north of Southport, 0.45 mi northeast of Secondary Road 1526 on Secondary Road 1527. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 21 ft, diameter 4 in., cased to 11 ft, screened from 11 to 21 ft.

DATUM.--Land-surface datum is 28 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of instrument shelf, 1.27 ft above land-surface datum, October 16, 1997, to present.

PERIOD OF RECORD.--January 1970 to current year. Continuous record began October 1997.

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

REMARKS.--Well is part of the Brunswick County ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.13 ft below land-surface datum, September 16, 1999; lowest water level measured, 11.36 ft below land-surface datum, October 10, 1977.

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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	6.66	5.87	4.60	3.81	3.93	4.35	5.21	6.27	7.34	7.95	8.11	8.52
2	6.70	5.87	4.66	3.81	3.58	4.37	5.25	6.32	7.36	7.96	8.16	8.54
3	6.74	5.91	4.66	3.84	3.49	4.39	5.29	6.36	7.32	7.99	8.21	8.55
4	6.78	5.91	4.65	3.85	3.47	4.44	5.31	6.41	7.23	8.02	8.25	8.56
5	6.81	5.91	4.69	3.87	3.47	4.50	5.35	6.44	7.33	8.05	8.30	8.58
6	6.84	5.92	4.73	3.88	3.50	4.54	5.37	6.45	7.38	8.08	8.34	8.61
7	6.87	5.85	4.76	3.90	3.53	4.55	5.41	6.47	7.41	8.09	8.38	8.63
8	6.87	5.67	4.84	3.79	3.58	4.56	5.45	6.50	7.44	8.11	8.42	8.65
9	6.37	5.66	4.86	3.71	3.63	4.63	5.48	6.52	7.47	8.13	8.45	8.67
10	6.16	5.62	4.88	3.72	3.68	4.66	5.53	6.48	7.50	8.14	8.48	8.68
11	6.07	5.57	4.92	3.74	3.75	4.70	5.56	6.54	7.52	8.15	8.30	8.70
12	6.04	5.54	4.95	3.77	3.80	4.73	5.60	6.58	7.53	8.16	8.10	8.72
13	6.03	5.50	4.95	3.80	3.83	4.76	5.66	6.60	7.56	8.17	8.07	8.73
14	6.02	5.49	4.93	3.85	3.82	4.77	5.70	6.65	7.59	8.18	8.06	8.74
15	6.02	5.48	4.94	3.88	3.87	4.78	5.69	6.69	7.62	8.20	8.05	8.75
16	6.02	5.47	4.98	3.92	3.91	4.77	5.72	6.73	7.65	8.22	8.05	8.68
17	6.02	5.46	5.00	4.00	3.95	4.70	5.75	6.76	7.67	8.24	8.06	8.70
18	6.02	5.46	5.03	3.98	3.96	4.77	5.78	6.78	7.70	8.27	8.08	8.74
19	6.03	5.48	5.05	3.98	4.03	4.83	5.81	6.83	7.72	8.30	8.12	8.75
20	6.04	5.50	5.09	4.05	4.08	4.87	5.85	6.87	7.74	8.32	8.16	8.66
21	6.09	5.23	5.11	4.09	4.11	4.90	5.88	6.92	7.74	8.33	8.20	8.47
22	6.12	4.77	5.12	3.97	4.14	4.92	5.93	6.96	7.75	8.33	8.25	8.49
23	6.14	4.55	5.09	3.89	4.17	4.95	5.97	6.98	7.76	8.36	8.31	8.50
24	6.18	4.48	5.10	3.86	4.20	4.98	5.98	7.03	7.79	8.39	8.35	8.51
25	6.23	4.48	4.83	3.86	4.20	5.01	6.02	7.08	7.82	8.42	8.41	---
26	6.27	4.47	3.91	3.91	4.24	5.03	6.06	7.12	7.85	8.42	8.44	8.53
27	6.26	4.47	3.80	3.93	4.29	5.05	6.11	7.14	7.87	8.45	8.45	8.55
28	5.95	4.48	3.78	3.91	4.33	5.08	6.15	7.18	7.89	8.47	8.46	8.57
29	5.98	4.53	3.79	3.97	---	5.10	6.19	7.23	7.91	8.28	8.47	8.60
30	5.93	4.58	3.80	4.00	---	5.12	6.25	7.27	7.94	8.05	8.49	8.65
31	5.89	---	3.83	4.04	---	5.16	---	7.30	---	8.07	8.51	---
<b>Mean</b>	6.26	5.31	4.69	3.89	3.88	4.77	5.71	6.76	7.61	8.20	8.27	8.62
<b>Max</b>	6.87	5.92	5.12	4.09	4.33	5.16	6.25	7.30	7.94	8.47	8.51	8.75
<b>Min</b>	5.89	4.47	3.78	3.71	3.47	4.35	5.21	6.27	7.23	7.95	8.05	8.47

<b>Water Year 2007</b>	
<b>Mean</b>	6.17
<b>High</b>	3.47
<b>Low</b>	8.75

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