



Water-Data Report 2009

**335631078003606 Local number BR-083 (NC-199), NCDENR SOUTHPORT RESEARCH STATION, GG32t6,
NEAR SOUTHPORT, NC (SURFICIAL)**

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, 1.6 mi north of Southport, on Secondary Road 1527. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

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

DATUM.--Land-surface datum is 28.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of instrument shelf, 1.27 ft above land-surface datum, October 16, 1997.

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

GAGE.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at site.

REMARKS.--Well is part of the Brunswick County groundwater monitoring program.

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.

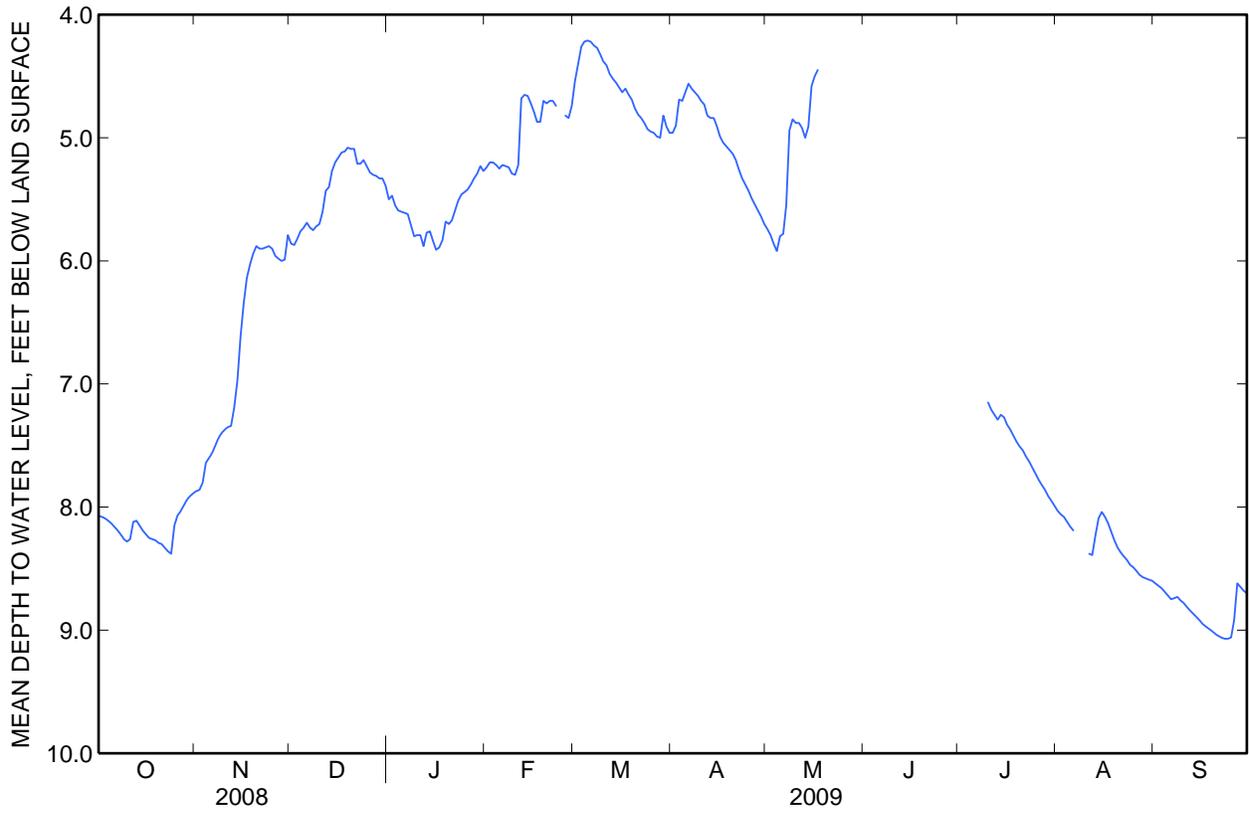
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.07	7.87	5.86	5.50	5.24	4.54	4.96	5.74	---	---	8.03	8.62
2	8.08	7.86	5.87	5.47	5.20	4.40	4.90	5.79	---	---	8.06	8.64
3	8.09	7.80	5.82	5.55	5.20	4.26	4.69	5.86	---	---	8.08	8.66
4	8.11	7.64	5.76	5.59	5.22	4.22	4.70	5.92	---	---	8.12	8.69
5	8.13	7.60	5.73	5.60	5.25	4.21	4.63	5.80	---	---	8.16	8.72
6	8.16	7.56	5.69	5.61	5.22	4.22	4.56	5.78	---	---	8.19	8.75
7	8.19	7.50	5.73	5.62	5.23	4.25	4.60	5.55	---	---	---	8.74
8	8.22	7.44	5.75	5.71	5.24	4.27	4.63	4.94	---	---	---	8.73
9	8.26	7.40	5.72	5.80	5.29	4.32	4.66	4.85	---	---	---	8.76
10	8.28	7.37	5.70	5.79	5.30	4.38	4.70	4.88	---	7.15	---	8.78
11	8.26	7.35	5.60	5.79	5.22	4.41	4.73	4.88	---	7.21	8.38	8.81
12	8.12	7.34	5.43	5.88	4.68	4.48	4.82	4.92	---	7.25	8.39	8.84
13	8.11	7.19	5.40	5.77	4.65	4.52	4.84	5.00	---	7.29	8.23	8.87
14	8.15	6.97	5.27	5.76	4.66	4.55	4.84	4.91	---	7.25	8.09	8.89
15	8.19	6.61	5.20	5.84	4.72	4.59	4.91	4.58	---	7.27	8.04	8.92
16	8.22	6.34	5.16	5.91	4.79	4.63	4.99	4.50	---	7.33	8.08	8.95
17	8.25	6.14	5.12	5.89	4.87	4.60	5.04	4.45	---	7.37	8.13	8.97
18	8.26	6.03	5.11	5.83	4.87	4.65	5.07	---	---	7.42	8.20	8.99
19	8.27	5.94	5.08	5.68	4.70	4.69	5.10	---	---	7.47	8.27	9.01
20	8.29	5.88	5.09	5.70	4.72	4.76	5.13	---	---	7.51	8.33	9.03
21	8.30	5.90	5.09	5.67	4.70	4.81	5.18	---	---	7.54	8.37	9.05
22	8.33	5.90	5.21	5.59	4.70	4.84	5.26	---	---	7.59	8.40	9.06
23	8.36	5.89	5.21	5.51	4.74	4.88	5.33	---	---	7.63	8.43	9.07
24	8.38	5.88	5.18	5.46	---	4.93	5.38	---	---	7.68	8.47	9.07
25	8.15	5.90	5.23	5.44	---	4.95	5.43	---	---	7.73	8.49	9.06
26	8.07	5.96	5.28	5.42	4.82	4.96	5.49	---	---	7.78	8.52	8.92
27	8.03	5.98	5.30	5.38	4.84	4.99	5.54	---	---	7.82	8.55	8.62
28	7.99	6.00	5.31	5.33	4.74	5.00	5.59	---	---	7.86	8.57	8.65
29	7.94	5.99	5.33	5.29	---	4.82	5.64	---	---	7.91	8.58	8.68
30	7.91	5.79	5.33	5.23	---	4.91	5.70	---	---	7.95	8.59	8.70
31	7.89	---	5.39	5.27	---	4.96	---	---	---	7.99	8.60	---
Mean	8.16	6.70	5.42	5.61	4.95	4.61	5.03	5.20	---	7.55	8.31	8.84
Max	8.38	7.87	5.87	5.91	5.30	5.00	5.70	5.92	---	7.99	8.60	9.07
Min	7.89	5.79	5.08	5.23	4.65	4.21	4.56	4.45	---	7.15	8.03	8.62

Water Year 2009	
Mean	6.41
High	4.21
Low	9.07

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