



Water-Data Report 2009

**335631078003604 Local number BR-081 (NC-197), NCDENR SOUTHPORT RESEARCH STATION, GG32t4,  
NEAR SOUTHPORT, NC (PEEDEE)**

Northern Atlantic Coastal Plain aquifer system  
Peedee Formation  
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 200 ft, diameter 6 in., cased to 93.5 ft, open hole from 93.5 ft to 200 ft; measured depth 199 ft, September 1997.

DATUM.--Land-surface datum is 28.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of instrument shelf, 1.17 ft above land-surface datum, October 29, 1999, to present.

PERIOD OF RECORD.--January 1970 to current year. Continuous record began October 1999.

REVISED RECORDS.--WDR NC-04-2: 2002 (daily water levels).

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. Water levels affected by local pumping since December 2002.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.28 ft below land-surface datum, March 8, 1988; lowest water level recorded, 58.39 ft below land-surface datum, January 28, 2005.

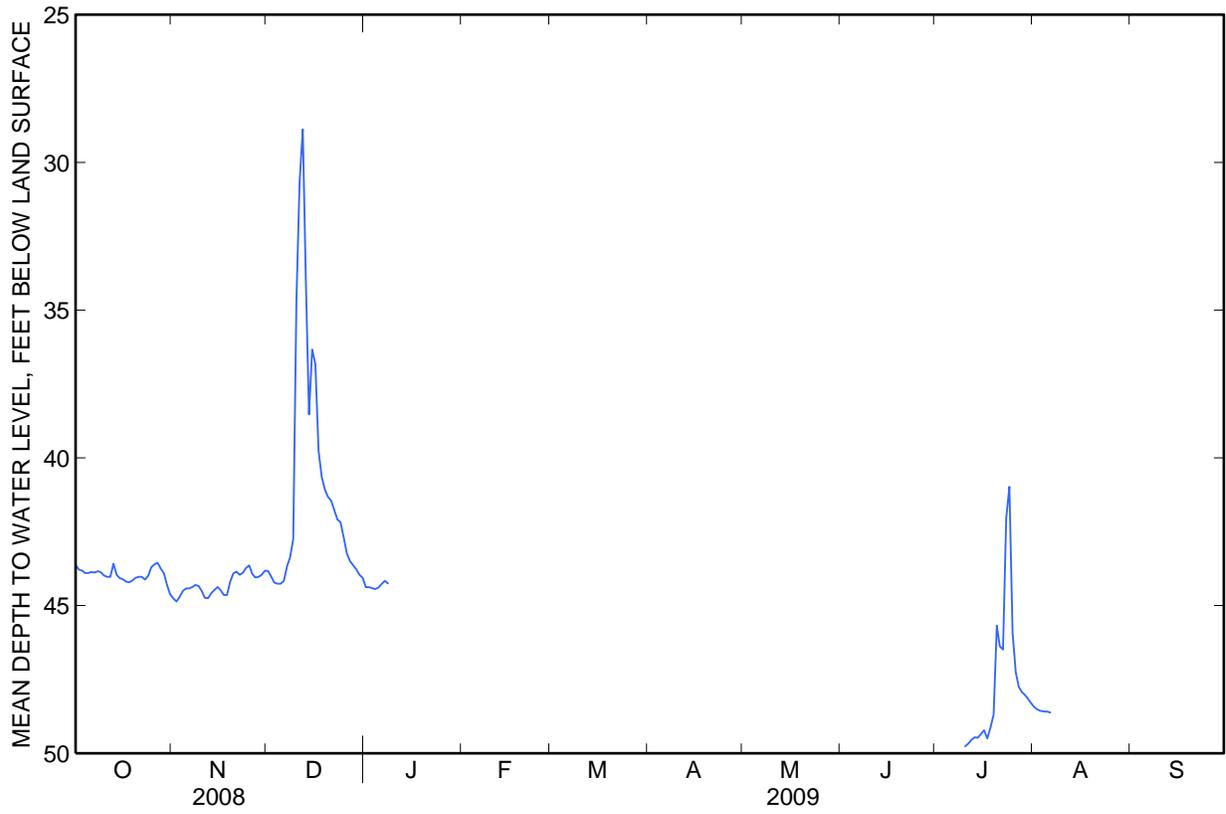
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Continued

**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	43.62	44.76	43.83	44.38	---	---	---	---	---	---	48.45	---
2	43.78	44.86	44.02	44.38	---	---	---	---	---	---	48.52	---
3	43.81	44.70	44.22	44.41	---	---	---	---	---	---	48.57	---
4	43.90	44.50	44.26	44.44	---	---	---	---	---	---	48.58	---
5	43.90	44.42	44.26	44.39	---	---	---	---	---	---	48.59	---
6	43.86	44.42	44.16	44.27	---	---	---	---	---	---	48.62	---
7	43.88	44.37	43.67	44.16	---	---	---	---	---	---	---	---
8	43.84	44.30	43.37	44.25	---	---	---	---	---	---	---	---
9	43.87	44.34	42.75	---	---	---	---	---	---	---	---	---
10	43.98	44.51	34.68	---	---	---	---	---	---	49.76	---	---
11	44.03	44.74	30.66	---	---	---	---	---	---	49.67	---	---
12	44.03	44.75	28.88	---	---	---	---	---	---	49.54	---	---
13	43.58	44.58	33.94	---	---	---	---	---	---	49.46	---	---
14	43.96	44.47	38.53	---	---	---	---	---	---	49.47	---	---
15	44.07	44.37	36.33	---	---	---	---	---	---	49.34	---	---
16	44.11	44.48	36.83	---	---	---	---	---	---	49.22	---	---
17	44.19	44.64	39.76	---	---	---	---	---	---	49.50	---	---
18	44.21	44.64	40.64	---	---	---	---	---	---	49.13	---	---
19	44.15	44.19	41.06	---	---	---	---	---	---	48.69	---	---
20	44.06	43.91	41.32	---	---	---	---	---	---	45.68	---	---
21	44.03	43.85	41.45	---	---	---	---	---	---	46.38	---	---
22	44.03	43.96	41.77	---	---	---	---	---	---	46.49	---	---
23	44.12	43.89	42.09	---	---	---	---	---	---	42.05	---	---
24	43.99	43.73	42.18	---	---	---	---	---	---	40.98	---	---
25	43.70	43.64	42.69	---	---	---	---	---	---	45.92	---	---
26	43.61	43.93	43.24	---	---	---	---	---	---	47.26	---	---
27	43.55	44.05	43.50	---	---	---	---	---	---	47.75	---	---
28	43.75	44.03	43.64	---	---	---	---	---	---	47.93	---	---
29	43.91	43.96	43.78	---	---	---	---	---	---	48.04	---	---
30	44.32	43.82	43.96	---	---	---	---	---	---	48.17	---	---
31	44.62	---	44.06	---	---	---	---	---	---	48.32	---	---
<b>Mean</b>	43.95	44.29	40.95	44.34	---	---	---	---	---	47.67	48.55	---
<b>Max</b>	44.62	44.86	44.26	44.44	---	---	---	---	---	49.76	48.62	---
<b>Min</b>	43.55	43.64	28.88	44.16	---	---	---	---	---	40.98	48.45	---

Water Year 2009	
<b>Mean</b>	44.18
<b>High</b>	28.88
<b>Low</b>	49.76

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