

Water-Data Report 2008

**335629078115406 Local number BR-079 (NC-181), NCDENR Sunset Harbor Research Station well GG34s6,
near Sunset Harbor, NC (Peedee)**

Northern Atlantic Coastal Plain aquifer system
Peedee Formation

Brunswick County, NC

LOCATION.--Lat 33°56'29", long 78°11'56" referenced to North American Datum of 1983, Brunswick County, NC, Hydrologic Unit 03040207, 1 mi north of Sunset Harbor, and 4.3 mi south of North Carolina Highway 211 on Secondary Road 1112. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 102 ft, diameter 6 in., cased to 84 ft, open hole from 84 ft to 102 ft.

DATUM.--Land-surface datum is 28.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of instrument shelf, 2.02 ft above land-surface datum, January 14, 1987 to present.

PERIOD OF RECORD.--March 1987 to current year.

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

REMARKS.--Well is part of Brunswick County ground-water study. Water levels are affected by local pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.24 ft below land-surface datum, October 22, 1999; lowest water level recorded, 17.28 ft below land-surface datum, September 5, 2008.

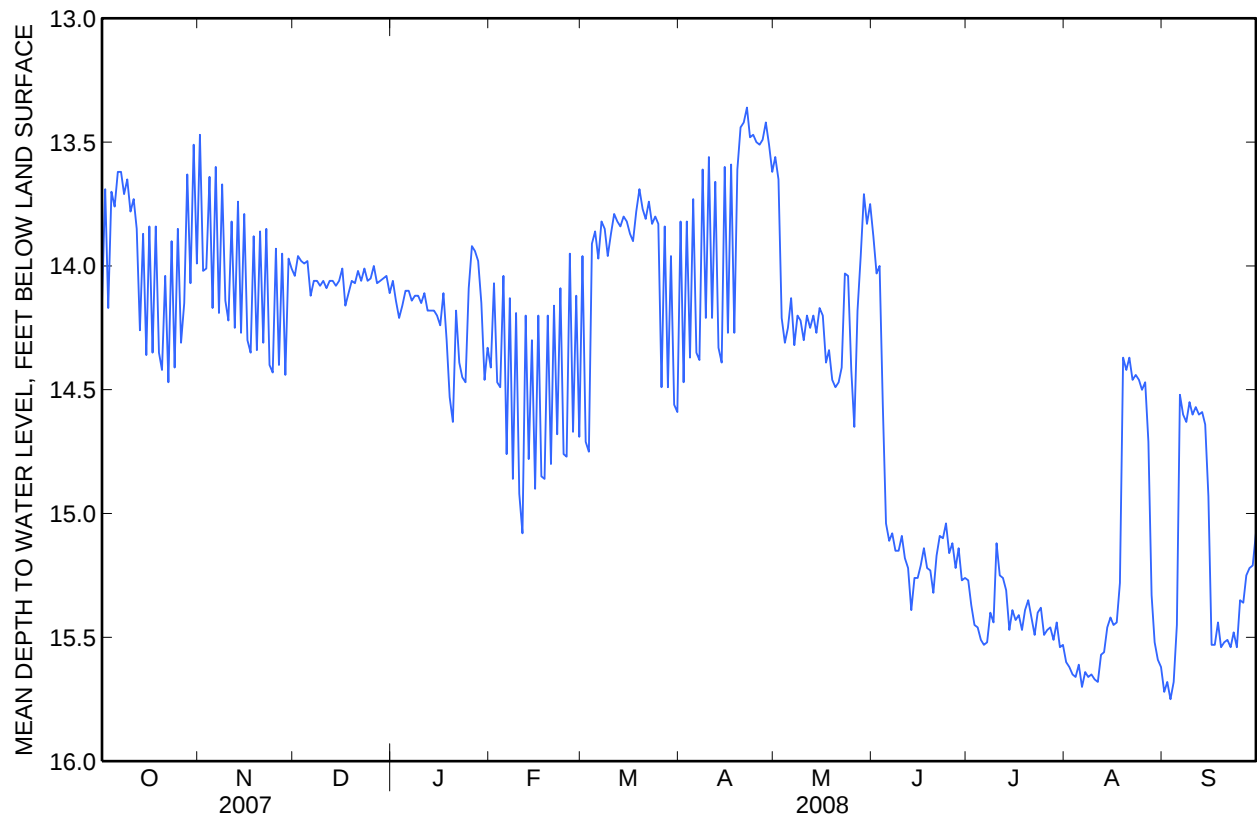
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14.15	13.47	14.04	14.06	14.41	13.96	13.82	13.56	13.88	15.27	15.60	15.72
2	13.69	14.02	13.96	14.14	14.07	14.71	14.47	13.65	14.03	15.37	15.62	15.68
3	14.17	14.01	13.98	14.21	14.47	14.75	13.82	14.21	14.00	15.45	15.65	15.75
4	13.70	13.64	13.99	14.16	14.49	13.91	14.37	14.31	14.56	15.46	15.66	15.68
5	13.76	14.17	13.98	14.10	14.04	13.86	13.73	14.25	15.04	15.51	15.61	15.45
6	13.62	13.60	14.12	14.10	14.76	13.97	14.35	14.13	15.11	15.53	15.70	14.52
7	13.62	14.19	14.06	14.14	14.13	13.82	14.38	14.32	15.08	15.52	15.64	14.60
8	13.71	13.67	14.06	14.12	14.86	13.85	13.61	14.20	15.15	15.40	15.66	14.63
9	13.65	14.14	14.08	14.12	14.19	13.96	14.21	14.22	15.15	15.44	15.65	14.55
10	13.78	14.22	14.06	14.15	14.92	13.87	13.56	14.30	15.09	15.12	15.67	14.60
11	13.73	13.82	14.09	14.11	15.08	13.79	14.21	14.20	15.18	15.25	15.68	14.57
12	13.85	14.25	14.06	14.18	14.20	13.82	13.66	14.25	15.22	15.26	15.57	14.60
13	14.26	13.74	14.06	14.18	14.78	13.84	14.33	14.20	15.39	15.31	15.56	14.59
14	13.87	14.27	14.08	14.18	14.30	13.80	14.39	14.27	15.26	15.47	15.46	14.64
15	14.36	13.79	14.06	14.20	14.90	13.82	13.60	14.17	15.26	15.39	15.42	14.93
16	13.84	14.30	14.01	14.24	14.20	13.87	14.27	14.20	15.21	15.43	15.45	15.53
17	14.35	14.35	14.16	14.11	14.85	13.90	13.59	14.39	15.14	15.41	15.44	15.53
18	13.84	13.88	14.11	14.30	14.86	13.78	14.27	14.34	15.22	15.47	15.28	15.44
19	14.35	14.34	14.06	14.53	14.20	13.69	13.61	14.46	15.23	15.39	14.37	15.54
20	14.42	13.86	14.07	14.63	14.80	13.77	13.44	14.49	15.32	15.35	14.42	15.52
21	14.04	14.31	14.02	14.18	14.16	13.81	13.42	14.47	15.17	15.42	14.37	15.51
22	14.47	13.85	14.06	14.39	14.68	13.74	13.36	14.41	15.09	15.49	14.46	15.54
23	13.90	14.40	14.01	14.45	14.09	13.83	13.48	14.03	15.10	15.40	14.44	15.48
24	14.41	14.43	14.06	14.47	14.76	13.80	13.47	14.04	15.04	15.38	14.46	15.54
25	13.85	13.93	14.05	14.09	14.77	13.83	13.50	14.42	15.16	15.49	14.50	15.35
26	14.31	14.40	14.00	13.92	13.95	14.49	13.51	14.65	15.12	15.47	14.47	15.36
27	14.15	13.95	14.07	13.94	14.67	13.84	13.49	14.18	15.22	15.46	14.71	15.25
28	13.63	14.44	14.06	13.98	14.12	14.49	13.42	13.96	15.14	15.51	15.33	15.22
29	14.07	13.97	14.05	14.15	14.69	13.96	13.51	13.71	15.27	15.44	15.52	15.21
30	13.51	14.01	14.04	14.46	---	14.56	13.62	13.83	15.26	15.54	15.59	15.08
31	13.99	---	14.11	14.33	---	14.59	---	13.75	---	15.53	15.62	---
Mean	13.97	14.05	14.05	14.20	14.50	13.99	13.82	14.18	15.04	15.42	15.24	15.19
Max	14.47	14.44	14.16	14.63	15.08	14.75	14.47	14.65	15.39	15.54	15.70	15.75
Min	13.51	13.47	13.96	13.92	13.95	13.69	13.36	13.56	13.88	15.12	14.37	14.52

Water Year 2008	
Mean	14.47
High	13.36
Low	15.75

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