

Water-Data Report 2007

**345812079313401 Local number SC-080, NC-194**

Northern Atlantic Coastal Plain aquifer system  
Black Creek Aquifer, Upper  
Scotland County, NC

LOCATION.--Lat 34°58'14", long 79°31'42" referenced to North American Datum of 1983, Scotland County, NC, Hydrologic Unit 03040204, in Sandhills Game Management Area, 0.15 mi west of Secondary Road 1328, 3.4 mi east of Marston, 4.8 mi south of Hoffman, and 6.1 mi southwest of Silver Hill. Owner: U.S. Geological Survey.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 39.0 ft, diameter 2 in., cased to 29.0 ft, screened interval from 29.0 to 39.0 ft. Annular space filled with #2 sand from 22 to 39 ft below land surface.

DATUM.--Land-surface datum is 433 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: instrument shelf, 2.90 ft above land-surface datum, October 22, 2003, to present.

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

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

REMARKS.--Well is part of terrane-effects network. Well relocated 50 ft from original well site, April 20, 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.28 ft below land-surface datum, May 7-12, 1998; lowest water level recorded, 34.67 ft below land-surface datum, October 18, 2002.

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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	31.13	31.54	31.52	30.33	30.10	30.08	29.90	29.63	29.74	30.20	30.64	31.13
2	31.16	31.58	31.50	30.40	30.11	30.10	29.88	29.62	29.74	30.23	30.66	31.14
3	31.16	31.60	31.40	30.37	30.14	30.12	29.87	29.64	29.70	30.24	30.67	31.14
4	31.17	31.60	31.33	30.33	30.10	30.16	29.83	29.64	29.76	30.25	30.68	31.16
5	31.17	31.60	31.24	30.31	30.10	30.16	29.84	29.63	29.79	30.25	30.70	31.18
6	31.20	31.60	31.14	30.35	30.06	30.18	29.81	29.65	29.83	30.27	30.71	31.20
7	31.21	31.56	31.07	30.34	30.05	30.12	29.82	29.64	29.84	30.28	30.73	31.20
8	31.23	31.58	31.02	30.34	30.06	30.16	29.79	29.62	29.85	30.30	30.74	31.21
9	31.23	31.64	30.93	30.35	30.05	30.17	29.77	29.62	29.85	30.32	30.76	31.22
10	31.24	31.65	30.86	30.40	30.05	30.15	29.75	29.62	29.88	30.33	30.77	31.24
11	31.25	31.64	30.79	30.39	30.06	30.16	29.72	29.62	29.90	30.34	30.80	31.25
12	31.27	31.66	30.72	30.35	30.03	30.15	29.72	29.62	29.91	30.36	30.82	31.28
13	31.30	31.66	30.66	30.32	29.99	30.14	29.73	29.65	29.92	30.37	30.82	31.29
14	31.32	31.66	30.61	30.31	30.02	30.12	29.69	29.67	29.94	30.38	30.84	31.28
15	31.34	31.66	30.56	30.29	30.06	30.11	29.65	29.63	29.95	30.39	30.86	31.32
16	31.35	31.67	30.56	30.31	30.04	30.09	29.70	29.61	29.96	30.42	30.87	31.33
17	31.32	31.71	30.53	30.35	30.01	30.14	29.68	29.63	29.98	30.43	30.89	31.35
18	31.36	31.70	30.49	30.26	30.04	30.16	29.66	29.63	29.99	30.43	30.92	31.35
19	31.36	31.71	30.47	30.26	30.06	30.14	29.67	29.64	30.00	30.44	30.92	31.36
20	31.38	31.73	30.47	30.28	30.00	30.11	29.68	29.63	30.02	30.46	30.93	31.37
21	31.42	31.70	30.43	30.23	30.02	30.11	29.66	29.64	30.04	30.49	30.95	31.38
22	31.40	31.71	30.39	30.22	30.02	30.06	29.65	29.66	30.05	30.51	30.97	31.40
23	31.43	31.74	30.39	30.23	30.09	30.04	29.64	29.68	30.10	30.52	30.98	31.41
24	31.46	31.75	30.40	30.21	30.11	30.04	29.62	29.68	30.12	30.53	31.00	31.43
25	31.47	31.74	30.33	30.20	30.05	30.03	29.62	29.67	30.15	30.55	31.01	31.44
26	31.48	31.73	30.36	30.20	30.08	30.01	29.61	29.68	30.15	30.56	31.03	31.44
27	31.44	31.71	30.41	30.16	30.11	29.98	29.61	29.69	30.15	30.56	31.05	31.45
28	31.46	31.69	30.41	30.15	30.13	29.96	29.63	29.70	30.16	30.57	31.06	31.48
29	31.52	31.66	30.39	30.20	---	29.98	29.63	29.71	30.17	30.59	31.07	31.50
30	31.53	31.59	30.36	30.14	---	29.94	29.63	29.72	30.18	30.60	31.08	31.51
31	31.53	---	30.33	30.16	---	29.91	---	29.73	---	30.62	31.10	---
<b>Mean</b>	31.33	31.66	30.71	30.28	30.06	30.09	29.72	29.65	29.96	30.41	30.87	31.31
<b>Max</b>	31.53	31.75	31.52	30.40	30.14	30.18	29.90	29.73	30.18	30.62	31.10	31.51
<b>Min</b>	31.13	31.54	30.33	30.14	29.99	29.91	29.61	29.61	29.70	30.20	30.64	31.13

**Water Year 2007**

<b>Mean</b>	30.51
<b>High</b>	29.61
<b>Low</b>	31.75

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