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.--Depth 39 ft. Upper casing diameter 2 in; top of first opening 29 ft, bottom of last opening 39 ft. Drilled observation well, depth 39.0 ft, diameter 4 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. Measuring point: TOP OF CASING, 2.90 ft above land-surface datum, Oct. 22, 2003, to present. Land-surface datum is 433 ft above NGVD of 1929 (from topographic map). Measuring point: Shelter floor, 2.90 ft above land-surface datum.

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

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

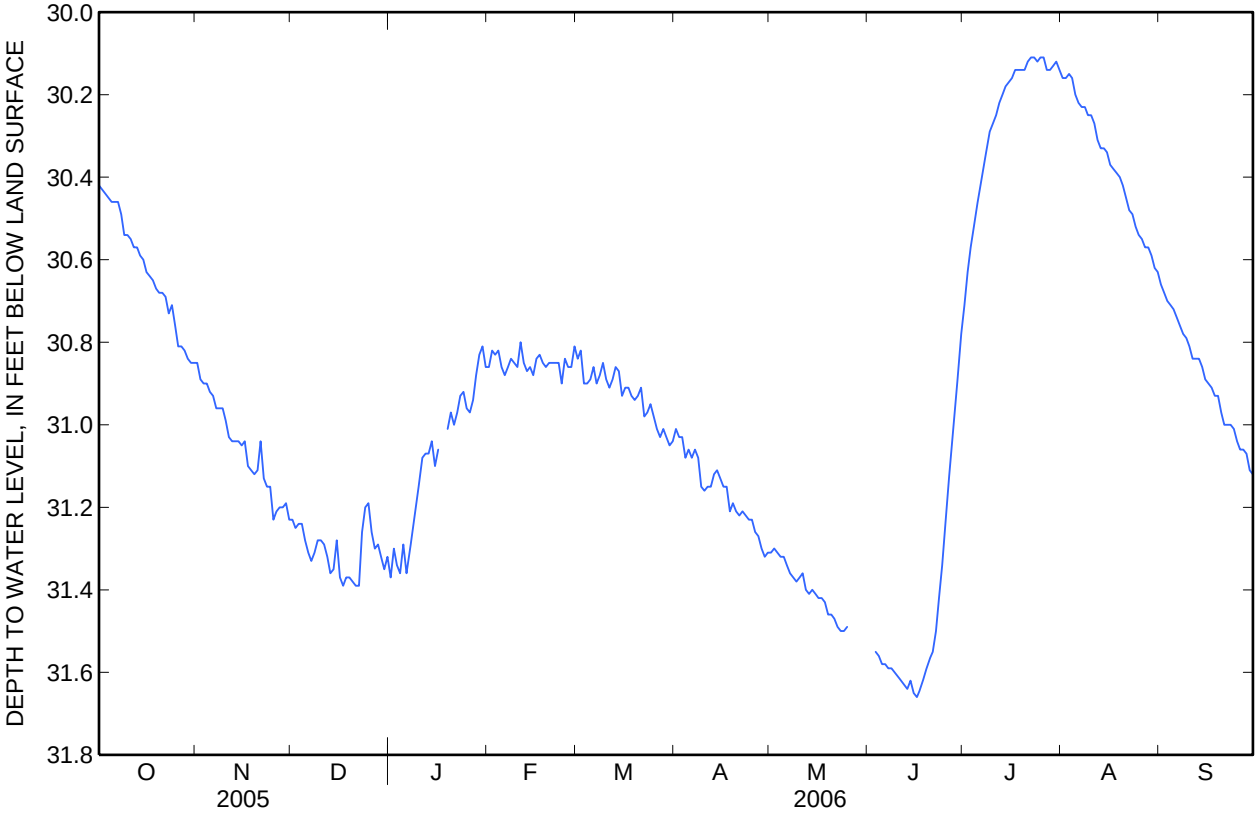
REMARKS.--Well is part of terrane-effects network. Well relocated 50 ft from original well site, April 20, 2003.

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, Oct. 18, 2002.

345812079313401 Local number SC-080, NC-194—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30.42	30.85	31.23	31.37	30.86	30.84	31.01	31.31	---	30.71	30.16	30.66
2	30.43	30.89	31.25	31.30	30.82	30.82	31.03	31.30	---	30.63	30.16	30.68
3	30.44	30.90	31.24	31.34	30.83	30.90	31.03	31.31	31.55	30.57	30.15	30.70
4	30.45	30.90	31.24	31.36	30.82	30.90	31.08	31.32	31.56	30.52	30.16	30.71
5	30.46	30.92	31.28	31.29	30.86	30.89	31.06	31.32	31.58	30.47	30.20	30.72
6	30.46	30.93	31.31	31.36	30.88	30.86	31.08	31.34	31.58	30.42	30.22	30.74
7	30.46	30.96	31.33	31.31	30.86	30.90	31.06	31.36	31.59	30.38	30.23	30.76
8	30.49	30.96	31.31	31.25	30.84	30.88	31.08	31.37	31.59	30.33	30.23	30.78
9	30.54	30.96	31.28	31.20	30.85	30.85	31.15	31.38	31.60	30.29	30.25	30.79
10	30.54	30.99	31.28	31.14	30.86	30.89	31.16	31.37	31.61	30.27	30.25	30.81
11	30.55	31.03	31.29	31.08	30.80	30.91	31.15	31.36	31.62	30.25	30.27	30.84
12	30.57	31.04	31.32	31.07	30.85	30.89	31.15	31.40	31.63	30.22	30.31	30.84
13	30.57	31.04	31.36	31.07	30.87	30.86	31.12	31.41	31.64	30.20	30.33	30.84
14	30.59	31.04	31.35	31.04	30.86	30.87	31.11	31.40	31.62	30.18	30.33	30.86
15	30.60	31.05	31.28	31.10	30.88	30.93	31.13	31.41	31.65	30.17	30.34	30.89
16	30.63	31.04	31.37	31.06	30.84	30.91	31.15	31.42	31.66	30.16	30.37	30.90
17	30.64	31.10	31.39	---	30.83	30.91	31.15	31.42	31.64	30.14	30.38	30.91
18	30.65	31.11	31.37	---	30.85	30.93	31.21	31.43	31.62	30.14	30.39	30.93
19	30.67	31.12	31.37	31.01	30.86	30.94	31.19	31.46	31.59	30.14	30.40	30.93
20	30.68	31.11	31.38	30.97	30.85	30.93	31.21	31.46	31.57	30.14	30.42	30.97
21	30.68	31.04	31.39	31.00	30.85	30.91	31.22	31.47	31.55	30.12	30.45	31.00
22	30.69	31.13	31.39	30.97	30.85	30.98	31.21	31.49	31.50	30.11	30.48	31.00
23	30.73	31.15	31.26	30.93	30.85	30.97	31.22	31.50	31.42	30.11	30.49	31.00
24	30.71	31.15	31.20	30.92	30.90	30.95	31.23	31.50	31.34	30.12	30.52	31.01
25	30.76	31.23	31.19	30.96	30.84	30.98	31.23	31.49	31.24	30.11	30.54	31.04
26	30.81	31.21	31.26	30.97	30.86	31.01	31.26	---	31.14	30.11	30.55	31.06
27	30.81	31.20	31.30	30.94	30.86	31.03	31.27	---	31.05	30.14	30.57	31.06
28	30.82	31.20	31.29	30.88	30.81	31.01	31.30	---	30.97	30.14	30.57	31.07
29	30.84	31.19	31.32	30.83	---	31.03	31.32	---	30.87	30.13	30.59	31.11
30	30.85	31.23	31.35	30.81	---	31.05	31.31	---	30.78	30.12	30.62	31.12
31	30.85	---	31.32	30.86	---	31.04	---	---	---	30.14	30.63	---
Mean	30.63	31.06	31.31	31.08	30.85	30.93	31.16	31.40	31.46	30.25	30.37	30.89
Max	30.85	31.23	31.39	31.37	30.90	31.05	31.32	31.50	31.66	30.71	30.63	31.12
Min	30.42	30.85	31.19	30.81	30.80	30.82	31.01	31.30	30.78	30.11	30.15	30.66

	Water Year 2006
Mean	30.94
High	30.11
Low	31.66

345812079313401 Local number SC-080, NC-194—Continued