

Water-Data Report 2007

**344520079281001 Local number SC-040, Laurinburg well 4**

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

LOCATION.--Lat 34°45'18", long 79°28'02" referenced to North American Datum of 1983, Scotland County, NC, Hydrologic Unit 03040204, in Laurinburg off Willow Drive. Owner: City of Laurinburg.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled unused supply well, depth 240 ft, diameter 10 and 8 in., screened intervals from 70 to 106 ft, 150 to 165 ft, 185 to 195 ft, 200 to 205 ft, and 217 to 224 ft (as reported by driller).

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: top of instrument shelf, 1.5 ft above land-surface datum, July 7, 2000, to present.

PERIOD OF RECORD.--July 1969 to current year. Continuous record December 2000 to November 2004, April 2005 to current year.

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

REMARKS.--Station operated in cooperation with the City of Laurinburg. Water levels affected by pumping of nearby municipal wells.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.25 ft below land-surface datum, December 26, 2005; lowest water level recorded, 21.83 ft below land-surface datum, June 3, 2004.

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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	17.39	17.59	11.90	9.71	9.29	10.04	9.02	11.18	13.35	13.45	16.88	17.91
2	17.68	17.17	12.41	9.53	9.02	9.26	9.37	11.50	12.90	13.52	16.17	17.90
3	17.62	17.94	12.29	10.12	9.31	9.35	10.16	10.85	12.35	13.98	16.76	18.14
4	17.10	17.52	11.98	10.02	9.88	9.38	10.07	11.18	12.93	14.09	17.00	18.44
5	16.85	16.54	11.65	10.09	9.27	9.47	10.70	10.45	13.00	14.38	17.20	18.20
6	16.44	17.55	10.53	9.88	8.79	9.45	10.30	10.09	12.89	14.69	17.53	18.27
7	16.10	17.10	10.88	9.22	8.78	9.71	9.43	11.05	13.14	14.66	17.84	18.26
8	16.26	15.71	11.02	8.89	8.71	10.01	9.47	10.48	13.24	14.94	17.47	18.40
9	16.47	15.36	11.12	8.70	8.86	10.10	10.28	10.53	12.89	14.36	17.81	18.53
10	17.40	15.63	11.36	9.10	9.13	9.17	10.09	10.56	13.26	14.30	18.13	18.68
11	17.37	15.49	11.50	9.33	8.87	8.50	9.95	11.49	13.86	14.73	17.53	18.42
12	16.46	15.93	11.31	9.04	9.24	9.69	10.20	10.92	13.74	15.22	17.60	18.32
13	16.85	16.66	11.60	9.19	9.29	9.87	10.71	10.59	13.08	15.70	17.68	18.33
14	17.32	15.96	12.37	9.58	9.14	10.07	10.07	11.17	13.65	15.31	18.33	17.84
15	16.78	15.63	12.43	10.31	9.41	10.02	9.69	11.66	13.19	15.38	18.15	18.56
16	17.36	15.34	12.90	9.65	9.67	9.52	10.28	11.90	13.04	15.95	18.19	18.09
17	17.48	15.24	12.25	9.90	9.25	9.51	9.33	11.88	13.17	16.03	18.48	18.20
18	16.31	15.72	12.98	9.77	8.04	8.51	9.09	11.63	13.10	15.73	18.35	18.54
19	17.00	15.37	13.00	9.73	9.35	8.91	9.18	11.33	13.07	15.52	18.50	18.44
20	17.97	15.95	13.29	9.62	9.14	8.37	9.50	11.24	14.01	16.02	18.53	18.70
21	17.85	15.79	13.07	9.67	8.98	8.37	9.84	12.51	13.85	16.22	18.56	18.36
22	17.47	14.74	12.95	9.44	9.44	8.31	9.99	12.37	14.03	16.41	18.28	18.67
23	17.73	13.34	12.61	9.46	9.37	8.47	10.15	12.70	13.39	16.65	17.76	18.40
24	17.96	13.04	12.66	9.17	9.88	8.03	10.21	13.04	13.12	16.27	17.78	18.59
25	17.41	12.48	11.94	9.66	9.90	9.13	10.0	13.32	13.59	15.91	17.58	18.67
26	17.46	12.24	10.97	10.35	12.02	9.66	10.56	12.54	13.64	16.55	17.68	18.69
27	17.79	12.05	10.68	9.79	10.31	9.67	10.76	12.24	13.83	16.68	18.03	18.91
28	17.96	---	9.35	9.25	9.89	10.03	10.95	12.38	13.83	16.20	18.06	18.98
29	17.50	12.02	9.00	9.43	---	9.73	11.04	13.81	14.22	16.45	17.94	18.56
30	17.75	12.39	9.34	9.41	---	9.70	11.41	13.84	13.65	16.74	17.91	18.20
31	17.35	---	9.52	9.81	---	8.82	---	13.76	---	16.70	18.14	---
<b>Mean</b>	17.24	15.29	11.64	9.57	9.37	9.32	10.06	11.75	13.37	15.44	17.80	18.41
<b>Max</b>	17.97	17.94	13.29	10.35	12.02	10.10	11.41	13.84	14.22	16.74	18.56	18.98
<b>Min</b>	16.10	12.02	9.00	8.70	8.04	8.03	9.02	10.09	12.35	13.45	16.17	17.84

<b>Water Year 2007</b>	
<b>Mean</b>	13.29
<b>High</b>	8.03
<b>Low</b>	18.98

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