



Water-Data Report 2010

344544079263701 Local number SC-142, AT LAURINBURG, NC (BLACK CREEK)

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

LOCATION.--Lat 34°45'44", long 79°26'37" referenced to North American Datum of 1983, Scotland County, NC, Hydrologic Unit 03040204, in Laurinburg near Stewartville Road. Owner: City of Laurinburg.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 161 ft, diameter 2 in., screened intervals from 78 to 98 ft, 114 to 124 ft, and 136 to 161 ft.

DATUM.--Land-surface datum is 211.4 ft above North American Vertical Datum of 1988. Measuring point: Top of instrument shelf, 3.08 ft above land-surface datum, January 25, 2007, to present.

PERIOD OF RECORD.--January 2007 to current year.

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

COOPERATION.--Station operated in cooperation with the City of Laurinburg.

REMARKS.--Water levels affected by pumping of nearby municipal wells.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.61 ft below land-surface datum, September 13, 2008; lowest water level recorded, 32.43 ft below land-surface datum, August 21, 2007.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23.66	23.45	22.16	20.98	19.97	15.95	17.76	20.23	21.31	21.06	24.00	25.97
2	23.73	22.76	22.32	21.14	18.55	16.74	18.39	20.42	20.64	21.79	23.29	25.95
3	23.68	23.23	21.98	21.44	17.73	16.69	17.91	21.16	20.42	21.78	23.64	26.10
4	22.38	24.04	22.07	21.55	18.71	16.44	17.56	20.11	20.43	21.39	23.94	26.50
5	24.14	23.83	22.28	20.82	18.76	16.74	17.31	21.10	20.18	22.24	24.31	26.32
6	24.28	24.04	22.78	20.59	17.22	16.60	17.86	21.20	20.60	22.51	24.33	26.39
7	23.91	23.77	22.72	20.90	17.62	16.05	18.36	20.22	20.25	23.72	24.00	26.67
8	23.23	24.01	22.11	21.27	18.08	16.80	18.57	22.04	20.02	24.21	23.85	26.39
9	22.63	23.89	20.81	21.25	17.47	17.07	18.26	21.36	21.08	23.54	24.17	26.57
10	23.36	23.19	21.82	20.60	17.18	16.93	18.31	22.10	20.51	22.85	24.29	27.33
11	22.42	23.49	21.53	20.23	16.94	16.70	18.12	22.29	20.91	23.04	24.59	26.19
12	23.13	22.82	20.65	21.47	17.15	15.86	18.59	22.64	21.03	22.79	24.62	25.64
13	23.85	22.50	21.00	21.04	15.83	16.48	18.87	22.60	21.17	22.64	25.05	26.46
14	23.71	22.84	21.77	20.89	16.47	15.97	18.46	22.23	21.31	23.56	24.10	26.69
15	22.56	23.01	21.91	21.88	16.90	15.84	18.15	21.56	21.76	22.95	24.10	26.43
16	23.11	22.97	21.62	22.21	16.91	16.52	18.78	21.94	22.12	24.54	23.58	25.63
17	22.23	22.48	21.20	21.66	17.04	17.08	19.16	22.17	22.32	24.08	23.82	25.37
18	22.97	22.90	20.45	21.32	16.42	17.01	19.27	21.59	22.46	23.49	24.73	26.36
19	22.98	23.13	20.62	21.58	16.85	16.36	19.50	21.50	23.06	23.27	25.04	26.82
20	23.06	23.10	20.95	20.95	16.60	16.63	19.70	21.88	22.98	23.23	25.09	25.73
21	23.61	23.44	21.42	21.37	16.36	16.73	18.21	22.18	23.14	24.01	24.06	27.15
22	23.36	23.35	20.07	20.43	16.62	16.82	19.00	21.83	23.31	24.48	24.64	27.24
23	23.59	22.75	20.84	19.85	16.58	17.25	19.98	21.86	23.82	23.68	24.92	26.04
24	22.84	22.30	20.45	20.36	15.77	18.13	20.32	21.59	22.60	24.23	25.44	26.62
25	23.65	22.56	20.00	19.85	16.49	16.82	20.52	21.61	23.89	23.50	25.29	25.53
26	23.79	22.50	20.63	19.88	15.88	17.20	20.65	22.02	23.82	23.00	25.51	25.93
27	23.73	22.13	20.97	19.85	16.17	17.26	20.80	22.31	23.06	23.82	25.82	25.20
28	23.70	21.33	20.96	19.22	15.29	17.31	19.64	22.30	21.87	23.24	25.07	25.70
29	22.67	21.58	21.19	19.69	---	16.41	20.26	21.46	22.36	23.34	25.47	25.52
30	23.42	21.93	20.94	19.51	---	16.28	19.46	20.93	21.47	23.16	25.70	24.90
31	23.23	---	21.14	18.91	---	17.29	---	21.14	---	23.86	25.73	---
Mean	23.31	22.98	21.33	20.73	17.06	16.71	18.92	21.60	21.80	23.19	24.59	26.18
Max	24.28	24.04	22.78	22.21	19.97	18.13	20.80	22.64	23.89	24.54	25.82	27.33
Min	22.23	21.33	20.00	18.91	15.29	15.84	17.31	20.11	20.02	21.06	23.29	24.90

	Calendar Year 2009	Water Year 2010
Mean	19.90	21.56
High	14.95	15.29
Low	24.28	27.33

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