

GROUND-WATER LEVELS

BLADEN COUNTY

343027078451903. Local number, NC-178; DENR Bladenboro Research Station well Z41u3; County number, BL-101.

LOCATION.--Lat 34°30'28", long 78°45'16", Hydrologic Unit 03040206, 3 mi southeast of Bladenboro, south of State Highway 211 on Secondary Road 1172. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 110 ft, diameter 6 in. to 82 ft, diameter 4 in. from 58 to 110 ft, screened interval from 100 to 110 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals.

DATUM.--Land-surface datum is 116.45 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of collar on 6-inch casing, 2.69 ft above land-surface datum; revised from 2.78, May 19, 1999.

REMARKS.--Well is part of the areal-effects network. Records prior to January 1987 are from Bladenboro Research Station well Z41u4 which was adjacent to and of similar construction to well Z41u3.

PERIOD OF RECORD.--Miscellaneous water-level measurements November 1975 to current year. Continuous record began January 1987. Records for well Z41u4 from March 1976 to December 1986 are unpublished and available in the files of the Division of Water Quality, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.73 ft below land-surface datum, Apr. 19, 1978; lowest water level recorded, 9.90 ft below land-surface datum, Oct. 9-11, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	5.16	5.32	4.65	5.12	5.42	6.29	7.13	8.04	7.46
2	---	---	---	5.16	5.31	4.63	5.15	5.40	6.30	7.17	8.03	7.40
3	---	---	---	5.16	5.27	4.62	5.18	5.33	6.34	7.15	8.02	7.37
4	---	---	---	5.16	5.29	4.61	5.20	5.34	6.35	7.10	8.06	7.32
5	---	---	---	5.15	5.30	4.61	5.25	5.33	6.34	7.15	8.10	7.29
6	---	---	---	5.18	5.25	4.60	5.29	5.32	6.36	7.18	8.13	7.26
7	---	---	---	5.22	5.24	4.60	5.30	5.31	6.40	7.22	8.15	7.20
8	---	---	---	5.22	5.30	4.62	5.31	5.31	6.44	7.26	8.18	7.13
9	---	---	---	5.19	5.30	4.64	5.35	5.32	6.47	7.29	8.22	7.07
10	---	---	---	5.20	5.28	4.66	5.39	5.34	6.50	7.29	8.26	7.07
11	---	---	---	5.23	5.28	4.68	5.40	5.37	6.55	7.32	8.28	7.04
12	---	---	---	5.22	5.22	4.69	5.31	5.43	6.56	7.32	8.31	6.99
13	---	---	---	5.22	5.20	4.74	5.28	5.48	6.59	7.34	8.28	6.97
14	---	---	---	5.22	5.15	4.76	5.28	5.53	6.63	7.37	8.20	6.92
15	---	---	---	5.21	5.07	4.77	5.30	5.57	6.67	7.42	8.08	6.82
16	---	---	---	5.25	5.10	4.76	5.30	5.62	6.68	7.46	8.02	6.79
17	---	---	---	5.26	5.02	4.78	5.29	5.67	6.70	7.50	7.98	6.73
18	---	---	---	5.22	4.94	4.82	5.28	5.71	6.72	7.50	7.92	6.67
19	---	---	5.25	5.26	4.89	4.86	5.27	5.75	6.72	7.53	7.90	6.65
20	---	---	5.25	5.30	4.86	4.89	5.25	5.81	6.75	7.59	7.88	6.64
21	---	---	5.24	5.32	4.82	4.87	5.25	5.86	6.79	7.64	7.85	6.62
22	---	---	5.21	5.31	4.84	4.92	5.28	5.92	6.82	7.69	7.83	6.61
23	---	---	5.17	5.32	4.84	4.97	5.29	5.95	6.87	7.73	7.81	6.64
24	---	---	5.13	5.32	4.81	5.00	5.31	5.94	6.90	7.78	7.81	6.62
25	---	---	5.14	5.36	4.82	5.03	5.35	6.00	6.93	7.82	7.81	6.60
26	---	---	5.15	5.32	4.77	5.05	5.35	6.06	6.96	7.84	7.80	6.60
27	---	---	5.14	5.28	4.71	5.06	5.32	6.12	7.00	7.89	7.75	6.58
28	---	---	5.14	5.31	4.71	5.08	5.38	6.18	7.01	7.93	7.70	6.57
29	---	---	5.14	5.32	4.69	5.11	5.42	6.26	7.05	7.98	7.63	6.60
30	---	---	5.14	5.29	---	5.13	5.44	6.29	7.09	8.03	7.53	6.64
31	---	---	5.16	5.31	---	5.11	---	6.33	---	8.04	7.54	---

WTR YR 2004 MEAN 6.09 HIGH 4.60 LOW 8.31

BLADEN COUNTY—Continued

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