

GROUND-WATER LEVELS

ROBESON COUNTY--Continued

345035079051804. County number, RB-168; DENR Rex Rennert Research Station well V45u4.

LOCATION.--Lat 34°50'35", long 79°05'16", Hydrologic Unit 03040203, 1.6 mi southeast of State Highway 71 on Secondary Road 1752 at Rex Rennert School. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Black Creek aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 132 ft, diameter 4 in. to 115 ft, diameter 2.5 in. from 101 to 132 ft, screened interval from 122 to 127 ft.

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

DATUM.--Land-surface datum is 187.28 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 2.28 ft above land-surface datum (since July 2001).

REMARKS.--Well is part of southern Coastal Plain ground-water level monitoring study.

PERIOD OF RECORD.--July 1981 to current year. Continuous record began December 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.26 ft below land-surface datum, Jan. 29, 1997; lowest recorded, 8.39 ft below land-surface datum, Sept. 30, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.32	6.88	7.15	7.45	7.42	7.29	6.96	6.96	7.15	7.51	7.88	8.10
2	6.36	6.89	7.17	7.47	7.44	7.24	6.98	6.96	7.16	7.52	7.90	8.10
3	6.39	6.90	7.19	7.40	7.44	7.14	6.98	6.97	7.19	7.53	7.94	8.11
4	6.40	6.91	7.21	7.41	7.41	7.17	6.99	6.98	7.22	7.55	7.96	8.12
5	6.42	6.91	7.23	7.42	7.45	7.21	7.00	6.98	7.24	7.56	7.97	8.13
6	6.42	6.93	7.23	7.36	7.45	7.21	7.00	6.99	7.25	7.58	7.97	8.15
7	6.44	6.95	7.23	7.36	7.34	7.19	7.02	6.99	7.20	7.62	7.99	8.18
8	6.49	6.96	7.23	7.41	7.33	7.19	7.02	6.98	7.22	7.64	8.02	8.20
9	6.52	6.98	7.24	7.41	7.35	7.19	7.02	6.99	7.24	7.65	8.04	8.20
10	6.53	6.99	7.28	7.41	7.34	7.17	6.99	7.01	7.25	7.64	8.06	8.18
11	6.53	7.00	7.27	7.42	7.31	7.18	7.00	7.03	7.26	7.62	8.07	8.19
12	6.53	7.04	7.29	7.43	7.32	7.16	7.00	7.03	7.26	7.63	8.07	8.24
13	6.54	7.07	7.28	7.40	7.32	7.11	6.98	7.01	7.27	7.64	8.09	8.27
14	6.54	7.07	7.27	7.43	7.34	7.12	6.97	6.99	7.27	7.64	8.08	8.26
15	6.55	7.06	7.30	7.43	7.33	7.13	6.96	7.03	7.29	7.67	8.06	8.23
16	6.58	7.07	7.34	7.46	7.29	7.12	6.98	7.06	7.31	7.69	8.08	8.21
17	6.60	7.09	7.31	7.46	7.28	7.12	6.98	7.06	7.34	7.71	8.08	8.22
18	6.65	7.12	7.27	7.46	7.31	7.12	6.98	7.01	7.38	7.72	8.07	8.24
19	6.65	7.12	7.30	7.46	7.32	7.12	6.96	7.01	7.42	7.74	8.08	8.24
20	6.65	7.11	7.33	7.45	7.29	7.11	6.96	7.03	7.44	7.76	8.10	8.25
21	6.68	7.13	7.36	7.45	7.26	7.07	6.95	7.05	7.46	7.79	8.13	8.27
22	6.68	7.14	7.39	7.47	7.26	7.07	6.94	7.07	7.46	7.81	8.16	8.27
23	6.68	7.15	7.38	7.43	7.26	7.09	6.97	7.08	7.44	7.82	8.16	8.29
24	6.69	7.09	7.35	7.38	7.27	7.08	6.99	7.08	7.43	7.83	8.16	8.32
25	6.71	7.09	7.38	7.39	7.28	7.08	6.96	7.09	7.44	7.84	8.16	8.34
26	6.75	7.09	7.37	7.42	7.24	7.07	6.97	7.11	7.45	7.83	8.17	8.32
27	6.79	7.10	7.38	7.42	7.23	7.03	6.98	7.12	7.43	7.83	8.12	8.31
28	6.83	7.12	7.39	7.42	7.26	7.05	6.96	7.13	7.43	7.84	8.07	8.33
29	6.85	7.14	7.39	7.42	---	7.05	6.94	7.14	7.46	7.86	8.07	8.36
30	6.85	7.13	7.43	7.42	---	7.04	6.97	7.14	7.49	7.88	8.09	8.39
31	6.87	---	7.44	7.43	---	7.02	---	7.14	---	7.89	8.10	---

WTR YR 2002 MEAN 7.35 HIGH 6.32 LOW 8.39

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