

GROUND-WATER LEVELS

ROBESON COUNTY--Continued

343840078550011. County number, RB-185; DENR Littlefield School Research Station well Y42f11.

LOCATION.--Lat 34°38'39", long 78°54'59", Hydrologic Unit 03040203, 4 mi east of Lumberton on State Highway 41 at Littlefield 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 155 ft, diameter 6 in. to 140 ft, diameter 4 in. from 140 to 155 ft, screened intervals from 140 to 145 ft and 150 to 155 ft.

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

DATUM.--Land-surface datum is 140.9 ft above NGVD of 1929. Measuring point: Top of instrument shelf, 1.05 ft above land-surface datum.

REMARKS.--Well is part of southern Coastal Plain ground-water level monitoring study. Well redeveloped by injecting air into well on August 1, 2001.

PERIOD OF RECORD.--August 1981 to current year. Continuous record began March 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.41 ft below land-surface datum, Feb. 28 and Mar. 1, 1997; lowest recorded, 37.36 ft below land-surface datum, May 27, 28, 1995.

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	25.35	24.61	23.89	23.39	22.69	22.23	22.22	23.34	25.20	26.85	28.24	28.27
2	25.29	24.59	23.88	23.37	22.70	22.18	22.23	23.43	25.37	27.00	28.23	28.17
3	25.24	24.56	23.88	23.28	22.68	22.16	22.21	23.54	25.53	27.14	28.30	28.12
4	25.25	24.52	23.86	23.27	22.66	22.40	22.20	23.54	25.68	27.25	28.40	28.12
5	25.32	24.53	23.85	23.26	22.67	22.70	22.19	23.52	25.86	27.36	28.45	28.12
6	25.40	24.56	23.82	23.16	22.65	22.97	22.16	23.52	26.05	27.47	28.50	28.11
7	25.44	24.53	23.79	23.13	22.53	23.26	22.14	23.51	26.16	27.58	28.56	28.13
8	25.52	24.49	23.76	23.14	22.53	23.55	22.11	23.52	26.15	27.64	28.63	28.16
9	25.55	24.46	23.75	23.14	22.54	23.66	22.07	23.56	26.02	27.71	28.67	28.16
10	25.50	24.42	23.74	23.12	22.50	23.64	22.05	23.64	25.87	27.81	28.75	28.19
11	25.40	24.38	23.69	23.10	22.46	23.72	22.03	23.69	25.82	27.85	28.84	28.20
12	25.32	24.38	23.69	23.07	22.45	23.73	22.16	23.76	25.94	27.83	28.90	28.20
13	25.24	24.35	23.65	23.01	22.43	23.62	22.40	23.82	26.09	27.79	28.97	28.18
14	25.19	24.31	23.61	23.02	22.42	23.54	22.47	23.91	26.20	27.78	29.01	28.17
15	25.22	24.27	23.61	22.99	22.40	23.44	22.45	24.01	26.23	27.78	29.00	28.14
16	25.21	24.24	23.61	23.00	22.36	23.34	22.43	24.08	26.40	27.74	28.95	28.09
17	25.18	24.22	23.57	22.98	22.35	23.26	22.39	24.12	26.47	27.77	28.88	28.04
18	25.14	24.19	23.52	22.97	22.37	23.19	22.36	24.13	26.54	27.88	28.82	28.00
19	25.06	24.14	23.53	22.93	22.36	23.12	22.32	24.15	26.61	28.03	28.83	27.95
20	24.98	24.11	23.53	22.92	22.34	23.02	22.31	24.18	26.62	28.18	28.86	27.89
21	24.93	24.16	23.54	22.89	22.29	22.92	22.31	24.19	26.57	28.33	28.90	27.89
22	24.86	24.23	23.54	22.90	22.29	22.88	22.32	24.20	26.55	28.41	28.96	27.95
23	24.80	24.23	23.51	22.84	22.28	22.84	22.41	24.22	26.59	28.43	29.00	27.99
24	24.74	24.10	23.47	22.79	22.27	22.79	22.54	24.27	26.50	28.47	29.05	28.00
25	24.71	24.04	23.46	22.79	22.27	22.73	22.64	24.39	26.37	28.27	29.12	27.99
26	24.68	24.01	23.44	22.79	22.23	22.67	22.75	24.54	26.31	28.13	29.09	27.98
27	24.66	23.98	23.44	22.78	22.21	22.60	22.86	24.69	26.37	28.13	28.99	28.02
28	24.63	23.96	23.44	22.76	22.23	22.57	22.97	24.84	26.45	28.18	28.81	28.03
29	24.59	23.94	23.42	22.74	---	22.54	23.10	24.99	26.54	28.20	28.70	28.07
30	24.55	23.91	23.41	22.73	---	22.49	23.25	25.04	26.69	28.23	28.53	28.07
31	24.57	---	23.40	22.71	---	22.37	---	25.07	---	28.26	28.39	---

WTR YR 2002 MEAN 24.91 HIGH 22.03 LOW 29.12

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