

GROUND-WATER LEVELS

ROBESON COUNTY

343840078550009. Local number, NC-177; DENR Littlefield School Research Station well Y42f9; County number, RB-183.

LOCATION.--Lat 34°38'40", long 78°55'00", Hydrologic Unit 03040203, 6 mi east of Lumberton on State Highway 41 at Littlefield School. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Upper Cape Fear aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 468 ft; diameter 6 in. to 348 ft, diameter 4 in. from 348 to 468 ft; screened intervals from 390 to 395 ft, 429 to 434 ft, and 444 to 449 ft; measured depth 462 ft, December 1987.

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

DATUM.--Land-surface datum is 142 ft above sea level (from topographic map). Measuring point: Top of instrument shelf, 1.40 ft above land-surface datum.

REMARKS.--Well is part of areal-effects network. Records prior to July 1985 are from Littlefield School Research Station well Y42f3 which was adjacent to and of similar construction to well Y42f9. Well Y42f3 was destroyed in September 1987.

PERIOD OF RECORD.--October 1970 to current year. Continuous record began March 2000. Records for well Y42f3 from October 1970 to June 1985 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.40 ft below land-surface datum, Jan. 5, 1971; lowest water level recorded, 152.32 ft below land-surface datum, Sept. 23, 30, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149.42	149.99	150.19	150.50	150.80	150.94	151.02	151.50	151.56	151.78	152.00	152.00
2	149.43	150.01	150.20	150.54	150.81	150.91	151.11	151.51	151.47	151.81	152.01	152.02
3	149.46	150.01	150.22	150.53	150.87	150.92	151.12	151.54	151.52	151.79	151.99	152.04
4	149.47	150.00	150.23	150.49	150.85	150.86	151.15	151.54	151.57	151.71	151.99	152.05
5	149.48	150.00	150.20	150.44	150.80	150.87	151.19	151.52	151.60	151.67	152.03	152.07
6	149.48	150.03	150.20	150.46	150.85	150.90	151.17	151.56	151.62	151.71	152.07	152.11
7	149.54	150.04	150.19	150.49	150.89	150.96	151.17	151.61	151.62	151.75	152.07	152.12
8	149.59	150.05	150.21	150.47	150.93	150.99	151.18	151.61	151.61	151.73	152.07	152.13
9	149.61	150.02	150.27	150.53	150.90	150.98	151.16	151.60	151.61	151.70	152.08	152.14
10	149.63	150.02	150.25	150.60	150.88	151.03	151.18	151.60	151.61	151.71	152.09	152.15
11	149.65	150.09	150.24	150.60	150.98	151.05	151.22	151.60	151.63	151.71	152.12	152.17
12	149.68	150.11	150.24	150.57	150.97	151.03	151.24	151.59	151.64	151.68	152.15	152.19
13	149.69	150.12	150.34	150.62	150.93	150.96	151.23	151.60	151.61	151.71	152.15	152.19
14	149.69	150.07	150.30	150.63	150.90	151.02	151.25	151.63	151.60	151.74	152.07	152.19
15	149.69	150.12	150.34	150.61	150.88	150.96	151.22	151.60	151.62	151.77	152.10	152.20
16	149.71	150.12	150.29	150.63	150.88	150.97	151.24	151.59	151.61	151.81	152.14	152.21
17	149.73	150.10	150.22	150.66	150.88	151.01	151.27	151.53	151.63	151.84	152.15	152.24
18	149.74	150.17	150.31	150.65	150.99	151.08	151.33	151.53	151.68	151.84	152.06	152.24
19	149.79	150.14	150.26	150.61	151.00	151.12	151.38	151.53	151.71	151.85	151.95	152.26
20	149.83	150.12	150.33	150.60	150.97	151.04	151.41	151.55	151.71	151.88	151.97	152.26
21	149.83	150.15	150.37	150.72	150.96	150.92	151.43	151.57	151.70	151.89	151.96	152.27
22	149.87	150.18	150.37	150.75	150.94	150.97	151.44	151.57	151.68	151.90	151.99	152.29
23	149.92	150.19	150.45	150.71	150.97	151.03	151.42	151.59	151.68	151.89	152.00	152.31
24	149.91	150.20	150.42	150.70	151.02	151.04	151.39	151.63	151.71	151.88	151.99	152.24
25	149.90	150.10	150.47	150.73	150.97	151.06	151.41	151.66	151.74	151.87	152.02	152.21
26	149.90	150.03	150.48	150.78	150.97	151.07	151.44	151.66	151.76	151.89	152.04	152.25
27	149.88	150.06	150.42	150.74	150.99	151.13	151.45	151.67	151.78	151.91	152.03	152.25
28	149.91	150.11	150.36	150.81	150.95	151.15	151.46	151.64	151.76	151.94	152.05	152.26
29	149.96	150.12	150.37	150.80	---	151.04	151.53	151.58	151.76	151.91	152.07	152.29
30	149.97	150.15	150.37	150.71	---	150.99	151.53	151.60	151.78	151.90	152.08	152.30
31	149.98	---	150.46	150.73	---	151.01	---	151.62	---	151.96	152.06	---

WTR YR 2001 MEAN 151.10 HIGH 149.42 LOW 152.31

ROBESON COUNTY--Continued

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