

GROUND-WATER LEVELS

BERTIE COUNTY

361002076562106. Local number, NC-153; DENR Cremo Research Station well G19b6; County number, BE-087.

LOCATION.--Lat 36°10'02", long 76°56'21", Hydrologic Unit 03010203, 0.75 mi south of Cremo, south of Secondary Road 1313 on logging road. 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 431 ft, diameter 6 in. to 340 ft, diameter 4 in. from 315 to 431 ft, screened interval from 400 to 410 ft; measured depth 412 ft, October 1986.

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

DATUM.--Land-surface datum is 64.49 ft above NGVD of 1929 (levels by DENR). Measuring point: Shelter floor 0.88 ft above land-surface datum.

REMARKS.--Well is part of areal-effects network.

PERIOD OF RECORD.--August 1974 to current year. Continuous record November 1986 to November 1990, June 2000 to current year. Records from August 1974 to February 1981 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.51 ft below land-surface datum, July 30, 1975; lowest water level measured, 44.03 ft below land-surface datum, Nov. 13, 1996.

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	42.99	43.27	43.28	43.31	43.08	43.20	43.00	43.10	43.26	43.53	43.31	43.67
2	43.01	43.27	43.29	43.33	43.12	43.18	43.03	43.09	43.26	43.53	43.34	43.66
3	43.04	43.26	43.31	43.23	43.12	43.06	43.02	43.11	43.31	43.53	43.38	43.66
4	43.04	43.25	43.31	43.23	43.08	43.10	43.06	43.15	43.34	43.53	43.41	43.66
5	43.06	43.25	43.33	43.25	43.15	43.16	43.07	43.15	43.36	43.54	43.41	43.67
6	43.04	43.26	43.31	43.18	43.16	43.17	43.08	43.16	43.35	43.57	43.41	43.68
7	43.06	43.26	43.29	43.14	43.04	43.17	43.12	43.13	43.32	43.61	43.45	43.71
8	43.11	43.26	43.28	43.19	43.05	43.17	43.12	43.14	43.35	43.63	43.48	43.72
9	43.14	43.27	43.30	43.19	43.09	43.17	43.11	43.14	43.35	43.62	43.51	43.72
10	43.14	43.27	43.33	43.19	43.08	43.15	43.12	43.16	43.35	43.60	43.54	43.67
11	43.12	43.27	43.28	43.18	43.05	43.19	43.13	43.20	43.36	43.57	43.54	43.67
12	43.11	43.33	43.29	43.19	43.07	43.16	43.13	43.19	43.36	43.58	43.55	43.72
13	43.10	43.34	43.28	43.14	43.08	43.07	43.12	43.14	43.36	43.58	43.57	43.76
14	43.09	43.33	43.25	43.18	43.12	43.09	43.10	43.11	43.32	43.53	43.59	43.77
15	43.12	43.31	43.28	43.17	43.12	43.11	43.10	43.17	43.29	43.49	43.62	43.76
16	43.11	43.30	43.32	43.19	43.07	43.09	43.10	43.18	43.32	43.49	43.63	43.67
17	43.13	43.32	43.27	43.18	43.06	43.10	43.10	43.18	43.34	43.51	43.63	43.64
18	43.16	43.34	43.19	43.19	43.12	43.07	43.10	43.15	43.38	43.53	43.63	43.65
19	43.16	43.32	43.24	43.14	43.13	43.09	43.10	43.19	43.42	43.53	43.63	43.67
20	43.16	43.29	43.24	43.07	43.12	43.06	43.09	43.21	43.45	43.51	43.64	43.68
21	43.16	43.31	43.29	43.07	43.08	43.03	43.09	43.23	43.47	43.47	43.68	43.68
22	43.16	43.31	43.33	43.10	43.10	43.05	43.08	43.23	43.47	43.49	43.71	43.70
23	43.15	43.33	43.30	43.09	43.12	43.07	43.12	43.23	43.47	43.50	43.69	43.71
24	43.14	43.31	43.25	43.04	43.14	43.07	43.15	43.22	43.47	43.44	43.69	43.73
25	43.14	43.29	43.26	43.05	43.15	43.07	43.11	43.23	43.48	43.35	43.70	43.75
26	43.17	43.28	43.25	43.09	43.11	43.07	43.13	43.24	43.49	43.34	43.71	43.73
27	43.19	43.28	43.25	43.09	43.10	43.04	43.14	43.25	43.49	43.30	43.71	43.70
28	43.24	43.28	43.25	43.08	43.16	43.07	43.10	43.26	43.47	43.27	43.70	43.71
29	43.27	43.29	43.25	43.07	---	43.07	43.08	43.27	43.50	43.28	43.70	43.75
30	43.27	43.28	43.29	43.08	---	43.06	43.12	43.27	43.52	43.29	43.71	43.77
31	43.27	---	43.31	43.10	---	43.04	---	43.26	---	43.31	43.71	---

WTR YR 2002 MEAN 43.29 HIGH 42.99 LOW 43.77

BERTIE COUNTY--Continued

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