

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

340743078202002. County number, BR-106; DENR Bear Pen Research Station well EE36k5.

LOCATION.--Lat 34°07'42.98", long 78°20'19.82", North American Datum of 1983, Hydrologic Unit 03040206, 9 mi north of Supply on Federal Road, near North Carolina Forest Service airstrip. Owner: DENR (North Carolina Department of Environment and Natural Resources).

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

WELL CHARACTERISTICS.--Drilled observation well, depth 654 ft, diameter 2.5 in.; cased to 644 ft, screened interval from 644 to 654 ft.

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

DATUM.--Land-surface datum is 61.50 ft above NGVD of 1929. Measuring point: Top of casing, 3.56 ft above land-surface datum.

REMARKS.--Well is part of Brunswick County Ground-water study.

PERIOD OF RECORD.--January 1974 to current year. Continuous record began October 1999.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.03 ft below land-surface datum, July 9, 1975; lowest water level recorded, 28.99 ft below land-surface datum, July 22, 23, 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	28.29	28.56	28.54	---	28.57	28.62	28.51	28.65	28.72	28.86	28.74	28.67
2	28.31	28.56	28.55	---	28.59	28.54	28.53	28.64	28.72	28.85	28.77	28.66
3	28.34	28.54	28.58	---	28.60	28.39	28.52	28.67	28.76	28.85	28.79	28.68
4	28.34	28.53	28.60	---	28.56	28.44	28.56	28.71	28.80	28.86	28.78	28.69
5	28.35	28.52	---	---	28.63	28.53	28.57	28.71	28.82	28.86	28.72	28.69
6	28.32	28.54	---	---	28.62	28.54	28.59	28.73	28.81	28.89	28.71	28.72
7	28.35	28.57	---	---	28.44	28.52	28.64	28.72	28.81	28.93	28.74	28.75
8	28.41	28.57	---	---	28.46	28.51	28.63	28.71	28.85	28.96	28.79	28.75
9	28.45	28.57	---	---	28.52	28.52	28.62	28.72	28.86	28.95	28.81	28.71
10	28.44	28.58	---	---	28.49	28.49	28.62	28.73	28.86	28.94	28.84	28.66
11	28.41	28.57	---	28.49	28.46	28.52	28.63	28.68	28.86	28.91	28.85	28.68
12	28.38	28.62	---	28.51	28.49	28.50	28.63	28.66	28.85	28.93	28.85	28.74
13	28.38	28.64	---	28.50	28.49	28.38	28.62	28.60	28.84	28.91	28.87	28.78
14	28.36	28.61	28.60	28.54	28.53	28.43	28.61	28.56	28.82	28.87	28.89	28.72
15	28.39	28.58	28.66	28.51	28.53	28.45	28.61	28.63	28.76	28.90	28.90	28.66
16	28.39	28.57	28.75	28.55	28.47	28.45	28.63	28.65	28.80	28.92	28.91	28.57
17	28.42	28.61	28.72	28.54	28.46	28.47	28.64	28.63	28.82	28.93	28.91	28.56
18	28.46	28.64	28.66	28.54	28.54	28.48	28.64	28.59	28.84	28.94	28.88	28.53
19	28.44	28.62	---	28.51	28.56	28.49	28.63	28.62	28.84	28.94	28.88	28.48
20	28.43	28.57	---	28.53	28.52	28.47	28.61	28.65	28.86	28.96	28.89	28.50
21	28.46	28.61	---	28.53	28.47	28.44	28.60	28.67	28.86	28.96	28.93	28.51
22	28.44	28.62	---	28.59	28.49	28.48	28.61	28.70	28.86	28.98	28.96	28.52
23	28.42	28.62	---	28.58	28.50	28.52	28.67	28.69	28.85	28.96	28.94	28.53
24	28.41	28.54	---	28.52	28.53	28.51	28.70	28.68	28.84	28.93	28.93	28.51
25	28.43	28.54	---	28.53	28.56	28.51	28.67	28.69	28.85	28.87	28.92	28.51
26	28.47	28.53	---	28.58	28.50	28.50	28.70	28.71	28.85	28.75	28.93	28.47
27	28.50	28.52	---	28.58	28.49	28.47	28.72	28.73	28.81	28.73	28.93	28.45
28	28.56	28.55	---	28.56	28.57	28.52	28.66	28.73	28.79	28.74	28.83	28.48
29	28.58	28.55	---	28.56	---	28.52	28.63	28.72	28.82	28.75	28.76	28.53
30	28.57	28.53	---	28.57	---	28.52	28.68	28.70	28.85	28.77	28.69	28.56
31	28.57	---	---	28.59	---	28.49	---	28.71	---	28.75	28.67	---

WTR YR 2002 MEAN 28.64 HIGH 28.29 LOW 28.98

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