

## 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 site.

DATUM.--Land-surface datum is 61.50 ft above sea level. 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, 28.35 ft below land-surface datum, Aug. 13, 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	27.54	27.86	27.73	27.83	27.85	27.81	27.65	28.05	28.05	28.14	28.25	28.20
2	27.55	27.87	27.73	27.85	27.85	27.78	27.75	28.04	27.99	28.15	28.26	28.21
3	27.57	27.87	27.74	27.85	27.89	27.77	27.77	28.06	28.01	28.15	28.24	28.21
4	27.59	27.86	27.75	27.80	27.86	27.69	27.79	28.07	28.07	28.13	28.22	28.20
5	27.59	27.82	27.74	27.75	27.79	27.68	27.84	28.06	28.10	28.11	28.26	28.20
6	27.58	27.86	27.73	27.76	27.82	27.70	27.83	28.08	28.10	28.12	28.28	28.22
7	27.62	27.86	27.72	27.79	27.85	27.76	27.82	28.13	28.10	28.15	28.27	28.23
8	27.65	27.87	27.73	27.76	27.88	27.80	27.83	28.13	28.10	28.14	28.26	28.23
9	27.67	27.84	27.77	27.80	27.86	27.78	27.81	28.12	28.10	28.11	28.27	28.22
10	27.69	27.82	27.75	27.85	27.83	27.82	27.81	28.12	28.11	28.12	28.28	28.21
11	27.70	27.87	27.73	27.85	27.90	27.84	27.85	28.12	28.12	28.12	28.30	28.21
12	27.71	27.89	27.73	27.82	27.88	27.83	27.87	28.12	28.14	28.15	28.34	28.23
13	27.72	27.90	27.81	27.82	27.83	27.65	27.86	28.13	28.12	28.15	28.33	28.23
14	27.71	27.84	27.76	27.83	27.81	27.70	27.87	28.16	28.11	28.18	28.16	28.21
15	27.70	27.85	27.79	27.82	27.77	27.65	27.85	28.14	28.12	28.22	28.18	28.22
16	27.70	27.87	27.75	27.82	27.78	27.65	27.84	28.12	28.13	28.26	28.22	28.23
17	27.72	27.83	27.68	27.84	27.79	27.70	27.87	28.09	28.14	28.28	28.24	28.26
18	27.74	27.88	27.76	27.83	27.88	27.77	27.92	28.09	28.18	28.28	28.23	28.26
19	27.76	27.84	27.72	27.79	27.90	27.82	27.98	28.08	28.21	28.24	28.19	28.27
20	27.79	27.80	27.77	27.75	27.87	27.72	28.00	28.10	28.21	28.10	28.21	28.27
21	27.79	27.81	27.80	27.83	27.85	27.57	28.01	28.12	28.20	28.11	28.22	28.25
22	27.81	27.84	27.79	27.87	27.84	27.60	28.02	28.12	28.20	28.12	28.24	28.23
23	27.84	27.84	27.85	27.81	27.86	27.67	28.00	28.12	28.17	28.14	28.25	28.24
24	27.85	27.84	27.83	27.80	27.91	27.70	27.97	28.14	28.18	28.13	28.24	28.22
25	27.82	27.73	27.85	27.81	27.86	27.72	27.94	28.18	28.20	28.15	28.26	28.21
26	27.81	27.60	27.86	27.87	27.85	27.73	27.95	28.16	28.22	28.18	28.27	28.25
27	27.79	27.61	27.81	27.83	27.87	27.79	27.97	28.09	28.23	28.18	28.27	28.25
28	27.80	27.64	27.74	27.87	27.82	27.82	27.98	28.10	28.19	28.19	28.28	28.25
29	27.84	27.68	27.73	27.87	---	27.72	28.05	28.08	28.13	28.17	28.29	28.27
30	27.85	27.69	27.73	27.79	---	27.64	28.07	28.06	28.13	28.16	28.26	28.28
31	27.85	---	27.80	27.79	---	27.65	---	28.07	---	28.21	28.21	---

WTR YR 2001 MEAN 27.96 HIGH 27.54 LOW 28.34

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