

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

340743078202006. County number, BR-107; DENR Bear Pen Research Station well EE36k6.

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.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 110 ft, diameter 4 in.; cased to 48 ft, open interval from 48 to 110 ft.

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

DATUM.--Land-surface datum is 61.00 ft above NGVD of 1929. Measuring point: Top of instrument shelf, 0.69 ft above land-surface datum.

REMARKS.--Well is part of Brunswick County ground-water study. Water-level data may be influenced by local pumping.

PERIOD OF RECORD.--August 1999 to current year. Continuous record began April 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.37 ft below land-surface datum, Sept. 26, 2000; lowest water level recorded, 12.06 ft below land-surface datum, July 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	8.45	10.33	10.54	---	9.14	9.33	8.40	9.90	10.48	11.13	10.11	9.00
2	8.53	10.36	10.51	---	9.18	9.00	8.46	9.95	10.56	11.14	9.99	8.76
3	8.63	10.39	10.50	---	9.18	8.68	8.49	10.04	10.68	11.16	9.89	8.59
4	8.70	10.42	10.49	---	9.17	8.62	8.56	10.13	10.80	11.20	9.77	8.47
5	8.76	10.45	---	---	9.25	8.67	8.59	10.17	10.88	11.25	9.60	8.59
6	8.80	10.52	---	---	9.25	8.50	8.66	10.21	10.94	11.33	9.47	8.76
7	8.91	10.58	---	---	9.08	8.39	8.77	10.20	11.02	11.43	9.40	8.43
8	9.01	10.61	---	---	9.03	8.37	8.77	10.22	11.13	11.50	9.36	8.37
9	9.09	10.66	---	---	8.95	8.43	8.80	10.28	11.19	11.56	9.33	8.30
10	9.32	10.69	---	---	8.80	8.31	8.84	10.34	11.25	11.61	9.33	8.25
11	9.65	10.72	---	9.64	8.69	8.34	8.89	10.31	11.31	11.65	9.33	8.26
12	9.73	10.81	---	9.58	8.63	8.28	8.91	10.20	11.37	11.72	9.36	8.36
13	9.82	10.85	---	9.54	8.58	8.16	8.93	10.05	11.43	11.75	9.42	8.43
14	9.84	10.86	10.23	9.52	8.58	8.19	8.97	9.94	11.48	11.75	9.46	8.41
15	9.93	10.86	10.25	9.43	8.54	8.16	9.02	9.93	11.47	11.80	9.52	8.28
16	10.00	10.90	10.27	9.42	8.47	8.14	9.08	9.89	11.51	11.81	9.57	8.05
17	10.09	10.97	10.19	9.33	8.47	8.15	9.13	9.82	11.51	11.84	9.60	7.89
18	10.17	11.01	10.14	9.29	8.54	8.15	9.31	9.77	11.51	11.87	9.61	7.73
19	10.07	11.02	---	9.23	8.56	8.15	9.28	9.79	11.48	11.90	9.72	7.55
20	9.84	11.02	---	9.24	8.52	8.12	9.28	9.81	11.43	11.96	9.75	7.44
21	9.85	11.08	---	9.21	8.49	8.12	9.32	9.84	11.36	12.01	9.84	7.36
22	9.85	11.12	---	9.24	8.59	8.18	9.38	9.88	11.29	12.04	9.90	7.31
23	9.86	11.14	---	9.20	8.59	8.36	9.50	9.91	11.24	12.04	9.94	7.28
24	9.90	11.09	---	9.14	8.63	8.26	9.60	9.94	11.20	12.01	9.99	7.21
25	9.95	11.02	---	9.14	8.68	8.27	9.61	9.99	11.19	11.90	10.08	7.14
26	10.03	10.91	---	9.17	8.66	8.28	9.69	10.07	11.19	11.63	10.14	7.05
27	10.11	10.81	---	9.15	8.67	8.26	9.74	10.14	11.14	11.32	10.18	6.99
28	10.20	10.74	---	9.13	8.85	8.31	9.74	10.20	11.12	10.99	10.09	7.00
29	10.25	10.67	---	9.13	---	8.33	9.76	10.27	11.12	10.70	9.89	7.05
30	10.27	10.58	---	9.15	---	8.34	9.87	10.33	11.13	10.47	9.58	7.07
31	10.30	---	---	9.16	---	8.35	---	10.40	---	10.27	9.28	---

WTR YR 2002 MEAN 9.70 HIGH 6.99 LOW 12.04

