

GROUND-WATER LEVELS
BRUNSWICK COUNTY—Continued

335631078003604. Local number, NC-197; DENR Southport Research Station well GG32t4; County number, BR-081.

LOCATION.--Lat 33°56'31", long 78°00'35", Hydrologic Unit 03030005, north of Southport, 0.45 mi northeast of Secondary Road 1526 on Secondary Road 1527. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 200 ft, diameter 6 in., cased to 93.5 ft, open hole from 93.5 to 200 ft; measured depth 199 ft, September 1997.

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

DATUM.--Land-surface datum is 28.08 ft above NGVD of 1929. Measuring point: Top of casing, 1.17 ft above land-surface datum.

REMARKS.-- Well is part of areal-effects network. Water levels affected by localized pumping since Dec. 2002.

PERIOD OF RECORD.--January 1970 to current year. Continuous record began October 1999.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.28 ft below land-surface datum, Mar. 8, 1988; lowest water level recorded, 58.39 ft below land-surface datum, Jan. 28, 2005.

REVISIONS.--Revised figures for depth to water level for the water year 2002, superseding those published in the report for 2002 are given below.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.23	35.40	44.26	45.39	43.87	49.98	49.90	49.69	49.53	49.93	30.33	40.61
2	30.47	43.86	44.30	45.02	45.09	51.10	49.59	53.52	49.49	50.09	33.86	40.83
3	27.77	46.69	44.60	44.49	48.47	51.27	49.67	55.11	49.60	50.19	38.20	40.94
4	26.65	44.65	44.81	47.24	46.73	52.13	52.05	51.24	49.58	50.24	41.14	40.98
5	26.05	46.57	44.68	47.83	42.79	51.65	44.79	50.47	49.65	50.16	40.50	41.08
6	25.65	44.42	44.63	47.96	41.26	52.34	41.09	49.87	52.29	50.03	39.79	41.07
7	25.26	40.16	47.82	49.11	41.07	50.72	44.91	49.81	49.39	50.02	40.46	41.06
8	24.96	44.11	47.37	43.77	40.36	50.16	35.27	49.54	51.53	50.06	40.21	40.88
9	24.72	51.14	49.14	41.61	40.38	52.05	34.71	49.43	51.69	49.84	40.32	40.75
10	24.57	55.85	51.30	48.17	39.78	52.45	37.90	49.51	50.36	49.82	40.04	40.98
11	24.62	48.00	47.56	51.23	40.45	49.44	40.11	49.58	50.23	49.71	40.44	40.95
12	24.50	44.55	45.66	51.93	40.36	48.95	44.46	49.70	50.07	49.74	40.19	40.76
13	25.71	43.95	50.41	51.80	40.59	49.96	45.07	49.79	50.03	49.98	40.89	40.67
14	32.39	43.69	52.78	52.40	40.50	49.44	46.55	49.54	50.01	50.06	40.57	40.13
15	34.57	43.59	55.35	53.67	44.32	50.60	47.41	49.50	48.94	49.95	40.05	39.96
16	46.14	42.96	55.37	50.27	41.35	50.93	47.95	49.62	48.44	50.01	40.43	39.97
17	37.56	43.08	56.13	50.23	40.88	51.07	48.20	49.74	49.22	50.04	41.09	40.01
18	42.85	43.65	48.77	55.39	43.12	51.25	50.19	49.62	49.36	50.14	40.86	40.06
19	38.01	43.75	46.02	56.70	44.19	51.37	52.22	48.72	49.53	50.19	40.85	40.07
20	45.71	43.85	47.11	56.39	44.53	51.51	52.96	47.98	49.35	50.23	40.49	40.04
21	42.99	44.10	42.71	55.69	41.97	51.81	53.57	48.59	49.49	48.97	40.35	40.23
22	46.49	44.02	44.13	48.60	40.99	51.96	54.81	48.77	49.62	45.48	40.54	40.34
23	40.92	43.92	49.94	47.85	40.95	51.86	54.78	48.91	49.89	45.64	39.90	40.45
24	32.33	43.77	53.36	54.82	42.57	52.11	54.55	48.36	49.93	44.88	40.11	40.45
25	36.41	43.81	49.70	51.89	44.67	52.27	55.57	45.91	50.03	46.94	40.70	40.52
26	47.57	44.02	45.26	51.52	45.42	52.29	55.30	47.99	49.87	51.76	40.25	40.51
27	48.28	44.21	48.57	52.09	44.19	52.24	54.08	48.72	50.01	50.38	39.73	40.46
28	44.04	44.17	51.45	56.64	43.52	52.05	51.67	49.15	49.91	46.15	39.97	40.38
29	49.74	44.21	51.88	47.48	---	50.84	50.22	49.40	49.83	44.77	39.31	40.29
30	43.64	44.44	49.48	44.11	---	51.82	49.80	49.58	49.79	35.92	39.43	40.25
31	34.30	---	46.40	46.78	---	51.06	---	49.59	---	32.10	40.25	---

WTR YR 2005 MEAN 45.70 HIGH 24.50 LOW 56.70

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