Water-Data Report 2006

335334078352106 Local number BR-123; DENR Calabash Research Station well HH39j7.

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks

Brunswick County, NC

LOCATION.--Lat 33°53′34″, long 78°35′21″ referenced to North American Datum of 1983, Brunswick County, NC, Hydrologic Unit 03040207, .75 miles west of Country Club Drive on Carolina Shores Drive. Owner: DENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 56 ft, diameter 4 in., cased to 46 ft, screened interval from 46 to 56 ft.

DATUM.--Land-surface datum is 47.28 ft above NGVD of 1929. Measuring point: Top of casing, 1.97 ft above land-surface datum.

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

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

REMARKS.--Well is part of Brunswick County ground-water study. Water levels may be affected by local pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.49 ft below land-surface datum, Oct. 8, 2005; lowest water level recorded, 23.12 ft below land-surface datum, May 11, 2001.

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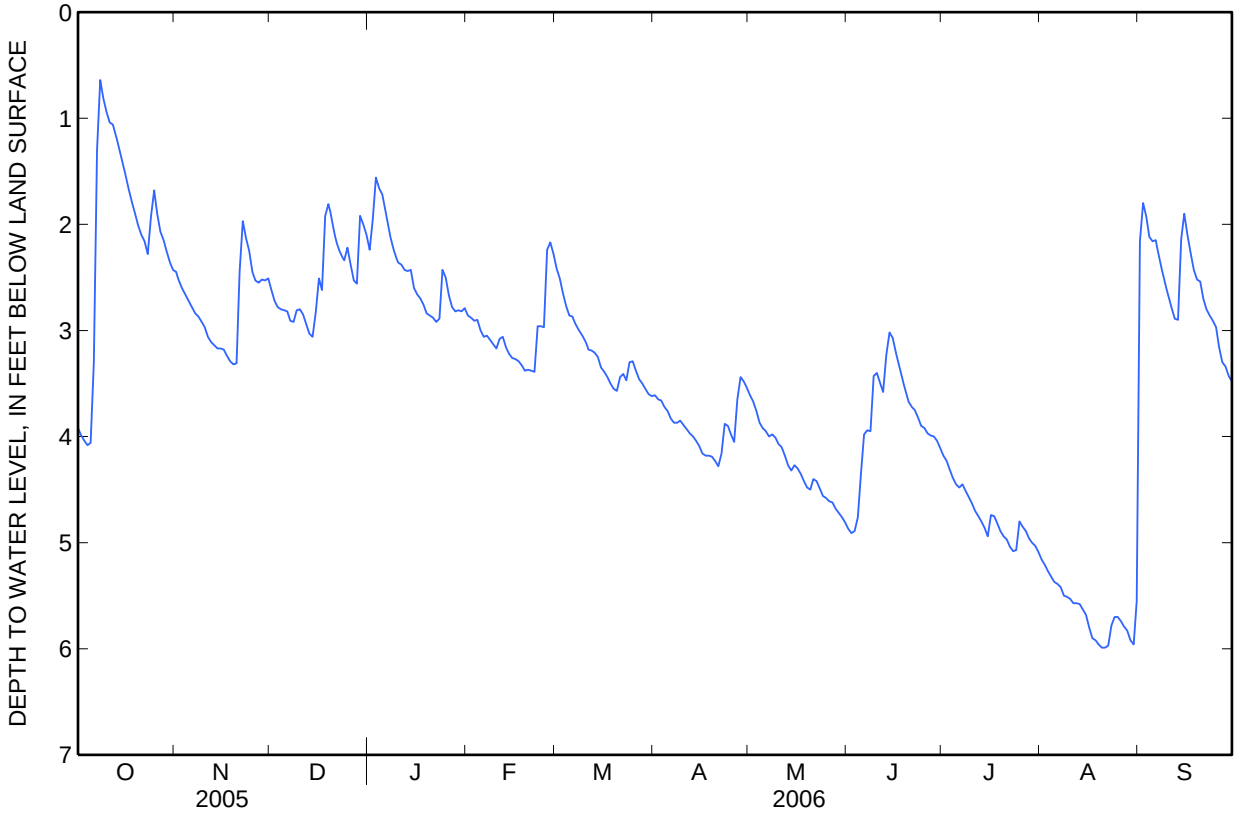
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.92	2.45	2.62	2.24	2.86	2.42	3.61	3.61	4.87	4.18	5.16	2.16
2	3.99	2.54	2.72	1.96	2.88	2.51	3.65	3.67	4.91	4.23	5.21	1.80
3	4.04	2.62	2.78	1.56	2.91	2.65	3.66	3.76	4.89	4.31	5.27	1.93
4	4.08	2.67	2.80	1.66	2.90	2.77	3.72	3.87	4.76	4.39	5.32	2.12
5	4.06	2.73	2.81	1.72	3.00	2.86	3.76	3.92	4.34	4.45	5.37	2.16
6	3.30	2.78	2.82	1.88	3.06	2.87	3.83	3.95	3.98	4.48	5.39	2.15
7	1.30	2.84	2.91	2.04	3.05	2.94	3.87	4.00	3.94	4.45	5.42	2.30
8	0.64	2.87	2.92	2.17	3.09	3.00	3.87	3.98	3.95	4.51	5.50	2.44
9	0.81	2.92	2.81	2.28	3.13	3.04	3.85	4.01	3.43	4.57	5.51	2.57
10	0.94	2.97	2.80	2.36	3.17	3.10	3.89	4.07	3.40	4.63	5.53	2.67
11	1.04	3.06	2.85	2.38	3.08	3.18	3.93	4.10	3.49	4.70	5.57	2.79
12	1.06	3.11	2.94	2.43	3.06	3.19	3.97	4.18	3.58	4.75	5.57	2.89
13	1.17	3.14	3.03	2.44	3.16	3.21	4.00	4.27	3.23	4.80	5.58	2.90
14	1.29	3.17	3.06	2.43	3.22	3.25	4.04	4.32	3.02	4.86	e5.63	2.14
15	1.40	3.17	2.83	2.60	3.26	3.35	4.09	4.27	3.07	4.94	5.68	1.90
16	1.54	3.18	2.51	2.66	3.27	3.39	4.16	4.30	3.20	4.74	5.80	2.10
17	1.67	3.24	2.62	2.70	3.29	e3.44	4.18	4.35	3.33	4.75	5.90	2.27
18	1.79	3.29	1.92	2.76	3.33	3.50	4.18	4.42	3.45	4.82	5.92	2.43
19	1.90	3.32	1.81	2.84	3.38	3.55	4.19	4.48	3.56	4.89	5.96	2.52
20	2.01	3.31	1.95	2.86	3.37	3.57	4.23	4.50	3.67	4.94	5.99	2.54
21	2.10	2.45	2.09	2.88	3.38	3.44	4.28	4.40	3.72	4.97	5.99	2.70
22	2.16	1.97	2.22	2.92	3.39	3.41	4.16	4.42	3.75	5.04	5.97	2.80
23	2.28	2.13	2.28	2.89	2.96	3.47	3.88	4.49	3.82	5.08	5.78	2.86
24	1.93	2.25	2.34	2.43	2.96	3.30	3.90	4.56	3.90	5.07	5.70	2.91
25	1.68	2.45	2.22	2.50	e2.97	3.29	3.98	4.58	3.92	4.80	5.70	2.97
26	1.90	2.53	2.38	2.67	2.24	3.38	4.05	4.61	3.97	4.85	5.74	3.16
27	2.07	2.55	2.53	2.78	2.17	3.46	3.65	4.62	3.99	4.89	5.79	3.30
28	2.15	2.52	2.56	2.82	2.28	3.50	3.44	4.68	4.00	4.96	5.83	3.34
29	2.26	2.53	1.92	2.81	---	3.55	3.48	4.72	4.04	5.00	5.92	3.43
30	2.36	2.51	2.00	2.82	---	3.60	3.54	4.76	4.11	5.03	5.96	3.48
31	2.43	---	2.10	2.79	---	3.62	---	4.81	---	5.09	5.55	---
Mean	2.11	2.78	2.52	2.46	3.03	3.22	3.90	4.28	3.84	4.75	5.65	2.59
Max	4.08	3.32	3.06	2.92	3.39	3.62	4.28	4.81	4.91	5.09	5.99	3.48
Min	0.64	1.97	1.81	1.56	2.17	2.42	3.44	3.61	3.02	4.18	5.16	1.80

	Water Year 2006
Mean	3.43
High	0.64
Low	5.99

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