

## PASQUOTANK COUNTY—Continued

362601076230704. Local number, NC-204: DENR Morgans Corner Research Station well C12w4; County number, PK-191.

LOCATION.--Lat 36°25'54", long 76°22'32", Hydrologic Unit 03010205, near Morgans Corners on Secondary Road 1360 0.8 mi northeast of U.S. Highway 158. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Castle Hayne aquifer of Oligocene and Eocene age.

WELL CHARACTERISTICS.--Drilled observation well, depth 648 ft, diameter 4 in., cased to 385 ft, screened interval from 385 to 420 ft.

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

DATUM.--Land-surface datum is 12.42 ft above NGVD of 1929. Measuring point: Instrument shelter floor, 2.57 ft above land-surface datum.

REMARKS.--Well is part of areal-effects network.

PERIOD OF RECORD.--September 1981 to current year. Continuous record began May 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.42 ft above land-surface datum, Sept. 2, 1981; lowest water level recorded, 6.03 ft below land-surface, Aug. 21, 22, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	5.26	5.25	5.17	5.25	5.30	5.15	5.38	5.47	5.50	5.39	5.35
2	5.24	5.26	5.31	5.15	5.27	5.29	5.18	5.33	5.53	5.49	5.36	5.37
3	5.27	5.26	5.36	5.13	5.19	5.31	5.20	5.26	5.57	5.49	5.30	5.37
4	5.22	5.25	5.32	5.12	5.25	5.27	5.19	5.30	5.56	5.48	5.31	5.37
5	5.24	5.25	5.17	5.09	5.30	5.26	5.25	5.30	5.49	5.46	5.29	5.38
6	5.26	5.24	5.18	5.14	5.20	5.21	5.29	5.32	5.53	5.46	5.23	5.37
7	5.29	5.26	5.21	5.19	5.14	5.23	5.26	5.33	5.55	5.47	5.28	5.36
8	5.31	5.32	5.23	5.19	5.28	5.20	5.24	5.37	5.57	5.44	5.33	5.33
9	5.30	5.37	5.25	5.15	5.30	5.25	5.28	5.37	5.56	5.48	5.34	5.31
10	5.26	5.35	5.17	5.17	5.22	5.26	5.33	5.37	5.53	5.50	5.33	5.37
11	5.26	5.30	5.01	5.21	5.24	5.25	5.31	5.39	5.51	5.51	5.33	5.40
12	5.24	5.24	5.15	5.15	5.23	5.24	5.31	5.41	5.50	5.51	5.33	5.41
13	5.26	5.22	5.21	5.13	5.22	5.32	5.23	5.42	5.56	5.47	5.27	5.42
14	5.22	5.28	5.04	5.13	5.20	5.34	5.20	5.43	5.55	5.44	5.26	5.44
15	5.20	5.30	5.07	5.08	5.19	5.28	5.27	5.43	5.56	5.47	5.23	5.42
16	5.30	5.31	5.12	5.16	5.25	5.18	5.36	5.46	5.57	5.51	5.19	5.40
17	5.30	5.32	5.01	5.17	5.24	5.20	5.38	5.48	5.56	5.53	5.20	5.35
18	5.29	5.32	5.03	5.05	5.18	5.25	5.39	5.47	5.53	5.45	5.19	5.30
19	5.29	5.20	5.04	5.11	5.17	5.29	5.37	5.45	5.51	5.45	5.21	5.41
20	5.33	5.17	5.10	5.18	5.15	5.32	5.33	5.47	5.55	5.47	5.22	5.46
21	5.25	5.22	5.18	5.21	5.12	5.22	5.33	5.45	5.57	5.48	5.20	5.46
22	5.21	5.24	5.17	5.15	5.21	5.30	5.36	5.44	5.55	5.48	5.22	5.46
23	5.26	5.25	5.14	5.17	5.24	5.37	5.36	5.44	5.55	5.44	5.24	5.46
24	5.36	5.21	5.01	5.16	5.19	5.39	5.39	5.45	5.55	5.42	5.27	5.47
25	5.41	5.24	5.06	5.23	5.22	5.40	5.42	5.46	5.54	5.45	5.30	5.46
26	5.36	5.26	5.11	5.15	5.25	5.39	5.36	5.44	5.45	5.43	5.30	5.46
27	5.26	5.27	5.12	5.10	5.24	5.34	5.27	5.41	5.50	5.38	5.30	5.45
28	5.24	5.18	5.15	5.13	5.29	5.35	5.37	5.42	5.47	5.38	5.29	5.35
29	5.13	5.21	5.13	5.15	5.30	5.36	5.43	5.49	5.48	5.40	5.28	5.39
30	5.25	5.25	5.11	5.11	---	5.32	5.41	5.52	5.50	5.42	5.27	5.44
31	5.28	---	5.16	5.18	---	5.24	---	5.44	---	5.41	5.31	---

WTR YR 2004 MEAN 5.31 HIGH 5.01 LOW 5.57

## GROUND-WATER LEVELS

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