

GROUND-WATER LEVELS

PASQUOTANK COUNTY--Continued

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

LOCATION.--Lat 36°26'00", long 76°22'00", 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: Top of casing, 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 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	5.45	---	---	---	---	---	5.28	5.38	5.50	5.74	5.77	5.75
2	5.48	---	---	---	---	---	5.34	5.34	5.51	5.73	5.81	5.72
3	5.51	---	---	---	---	---	5.30	5.35	5.59	5.71	5.85	5.72
4	5.52	---	---	---	---	---	5.34	5.42	5.62	5.73	5.87	5.71
5	5.51	---	---	---	---	---	5.34	5.42	5.62	5.74	5.85	5.73
6	5.48	---	---	---	---	---	5.35	5.43	5.59	5.78	5.82	5.76
7	5.52	---	---	---	---	---	5.40	5.38	5.58	5.83	5.87	5.80
8	5.59	---	---	---	---	---	5.40	5.38	5.64	5.84	5.89	5.80
9	5.62	---	---	---	---	---	5.39	5.37	5.63	5.82	5.92	5.76
10	5.61	---	---	---	---	---	5.38	5.40	5.62	5.79	5.93	5.67
11	5.58	---	---	---	---	---	5.40	5.48	5.61	5.80	5.93	5.66
12	5.55	---	---	---	---	---	5.39	5.44	5.58	5.82	5.92	5.76
13	5.54	---	---	---	---	---	5.37	5.35	5.57	5.81	5.93	5.81
14	5.51	---	---	---	---	---	5.35	5.36	5.55	5.76	5.95	5.82
15	5.55	---	---	---	---	5.41	5.34	5.44	5.55	5.73	5.97	5.81
16	5.53	---	---	---	---	5.41	5.35	5.46	5.61	5.74	5.98	5.75
17	5.56	---	---	---	---	5.44	5.34	5.42	5.63	5.76	5.95	5.72
18	5.62	---	---	---	---	5.38	5.34	5.40	5.69	5.76	5.93	5.75
19	5.60	---	---	---	---	5.43	5.33	5.47	5.75	5.75	5.92	5.75
20	5.59	---	---	---	---	5.36	5.30	5.49	5.78	5.78	5.94	5.76
21	5.62	---	---	---	---	5.33	5.32	5.52	5.78	5.81	6.00	5.77
22	5.59	---	---	---	---	5.37	5.31	5.55	5.77	5.83	6.00	5.76
23	5.56	---	---	---	---	5.40	5.39	5.52	5.76	5.84	5.95	5.78
24	5.54	---	---	---	---	5.39	5.43	5.48	5.73	5.84	5.92	5.83
25	---	---	---	---	---	5.40	5.37	5.52	5.73	5.83	5.89	5.84
26	---	---	---	---	---	5.39	5.41	5.53	5.74	5.81	5.92	5.77
27	---	---	---	---	---	5.35	5.43	5.55	5.72	5.77	5.91	5.71
28	---	---	---	---	---	5.38	5.34	5.55	5.67	5.76	5.80	5.75
29	---	---	---	---	---	5.38	5.32	5.55	5.69	5.76	5.75	5.81
30	---	---	---	---	---	5.36	5.40	5.53	5.73	5.77	5.77	5.83
31	---	---	---	---	---	5.34	---	5.51	---	5.77	5.78	---

WTR YR 2002 MEAN 5.62 HIGH 5.28 LOW 6.00

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