

GROUND-WATER LEVELS

DUPLIN COUNTY

345051078012101. Local number, NC-174; DENR Rose Hill Research Station well V32v1; County number, DU-126.

LOCATION.--Lat 34°50'51", long 78°01'21", Hydrologic Unit 03030007, 1.5 mi north of Rose Hill at Rose Hill-Magnolia Elementary School, east of U.S. Highway 117 on Secondary Road 1911. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 98 ft, diameter 4 in., screened interval from 83 to 98 ft.

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

DATUM.--Land-surface datum is 85.89 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 1.75 ft above land-surface datum.

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

PERIOD OF RECORD.--March 1982 to current year. Continuous record began January 1987.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.00 ft below land-surface datum, Oct. 8, 1996; lowest water level recorded, 20.22 ft below land-surface datum, Aug. 30, 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	16.73	17.62	17.88	18.00	15.94	16.04	14.78	16.45	17.86	18.61	19.28	19.92
2	16.78	17.65	17.88	18.02	16.01	15.97	14.75	16.52	17.90	18.63	19.32	19.79
3	16.84	17.68	17.89	17.88	16.02	15.33	14.75	16.63	17.91	18.65	19.37	19.73
4	16.87	17.70	17.92	17.90	16.04	15.23	14.85	16.70	17.93	18.71	19.41	19.68
5	16.92	17.72	17.93	17.90	16.20	15.29	14.90	16.66	17.99	18.77	19.45	19.59
6	16.94	17.79	17.91	17.77	16.25	15.29	14.96	16.66	18.10	18.84	19.50	19.53
7	16.92	17.84	17.89	17.47	16.04	15.28	15.04	16.66	18.20	18.90	19.59	19.49
8	16.89	17.87	17.89	17.37	15.87	15.28	15.05	16.74	18.30	18.94	19.65	19.45
9	16.89	17.91	17.89	17.26	15.84	15.27	15.06	16.89	18.36	18.97	19.70	19.39
10	16.94	17.95	17.92	17.18	15.78	15.25	15.11	17.06	18.46	19.01	19.73	19.30
11	17.00	17.98	17.88	17.12	15.70	15.28	15.16	17.15	18.58	19.01	19.75	19.21
12	17.06	18.06	17.89	17.09	15.71	15.25	15.19	17.17	18.63	19.01	19.79	19.17
13	17.12	18.10	17.86	16.91	15.71	15.09	15.22	17.16	18.68	19.02	19.86	19.14
14	17.13	18.11	17.85	16.78	15.77	14.98	15.26	17.13	18.72	19.01	19.90	19.07
15	17.19	18.11	17.90	16.66	15.77	14.95	15.30	17.17	18.58	19.01	19.93	18.98
16	17.22	18.13	17.93	16.66	15.74	14.94	15.37	17.21	18.52	19.04	19.94	18.90
17	17.32	18.15	17.84	16.62	15.77	14.95	15.44	17.16	18.50	19.11	19.97	18.88
18	17.40	18.17	17.77	16.60	15.84	14.95	15.52	17.11	18.55	19.19	19.98	18.88
19	17.42	18.15	17.84	16.57	15.87	14.96	15.61	17.14	18.58	19.29	19.99	18.89
20	17.43	18.14	17.88	16.57	15.85	14.95	15.68	17.18	18.58	19.39	20.00	18.90
21	17.47	18.21	17.92	16.51	15.78	14.83	15.77	17.25	18.58	19.47	20.03	18.93
22	17.47	18.26	17.95	16.50	15.76	14.77	15.86	17.32	18.60	19.52	20.06	18.97
23	17.47	18.26	17.89	16.36	15.78	14.80	16.01	17.36	18.56	19.56	20.08	18.99
24	17.48	18.15	17.82	16.06	15.83	14.80	16.12	17.41	18.53	19.57	20.11	19.03
25	17.53	18.05	17.88	16.02	15.84	14.80	16.16	17.48	18.55	19.50	20.13	19.05
26	17.61	17.97	17.84	16.04	15.81	14.81	16.23	17.57	18.59	19.30	20.18	19.02
27	17.64	17.92	17.87	16.03	15.86	14.79	16.28	17.63	18.60	19.20	20.19	18.98
28	17.61	17.92	17.90	15.99	15.98	14.85	16.25	17.70	18.60	19.18	20.15	19.01
29	17.55	17.91	17.91	15.98	---	14.87	16.27	17.74	18.61	19.18	20.20	19.06
30	17.54	17.89	17.98	15.98	---	14.89	16.39	17.79	18.61	19.20	20.21	19.07
31	17.60	---	17.98	15.98	---	14.89	---	17.82	---	19.25	20.09	---

WTR YR 2002 MEAN 17.52 HIGH 14.75 LOW 20.21

DUPLIN COUNTY--Continued

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