

GROUND-WATER LEVELS

DUPLIN COUNTY

345051078012108. Local number, NC-222; DENR Rose Hill Research Station well V32v8; County number, DU-136.

LOCATION.--Lat 34°50'52", long 78°01'20", 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.--Surficial aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 14 ft, diameter 4 in., screened interval from 10 to 14 ft.

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

DATUM.--Land-surface datum is 86 ft above NGVD of 1929 (from topographic map). Measuring point: Top of 4 in. casing collar, 1.21 ft above land-surface datum.

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

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.62 ft below land-surface datum, June 18, 2003; lowest water level recorded occurred during period when well was dry, Sept. 1 to Sept. 30, 2002.

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	---	6.62	---	5.70	5.15	4.32	4.66	5.37	6.27	6.77	7.32	7.98
2	---	6.66	---	5.74	5.11	4.36	4.54	5.43	6.25	6.82	7.35	8.02
3	---	6.69	---	5.76	5.05	4.40	4.45	5.51	6.23	6.24	7.40	8.05
4	---	6.71	---	5.75	5.03	4.43	4.45	5.60	6.23	6.02	7.46	8.09
5	---	6.74	---	5.76	5.01	4.45	4.52	5.66	6.00	6.07	7.48	8.12
6	---	6.78	---	5.75	4.99	4.51	4.58	5.00	5.97	6.21	7.50	8.16
7	---	---	6.32	5.83	4.95	4.51	4.61	4.63	5.97	6.37	7.52	8.19
8	---	6.84	6.35	5.86	4.93	4.50	4.60	4.82	6.03	6.52	7.53	8.21
9	---	6.90	6.39	5.88	4.92	4.61	4.67	4.97	6.09	6.65	7.54	8.24
10	---	6.94	6.34	5.87	4.92	4.59	4.75	5.10	6.15	6.76	7.55	8.28
11	---	6.95	6.33	5.88	4.98	4.59	4.80	5.21	6.22	6.85	7.57	8.33
12	---	6.96	6.39	5.89	4.99	4.62	4.85	5.31	6.29	6.92	7.59	8.36
13	---	6.93	6.40	5.91	5.02	4.68	4.84	5.27	6.34	6.97	7.61	8.38
14	5.87	6.95	6.45	5.58	5.05	4.75	4.14	5.29	6.40	7.02	7.63	8.37
15	5.93	6.94	6.48	5.31	5.05	4.79	4.04	5.36	6.46	7.08	7.66	8.36
16	6.01	6.92	6.48	5.20	5.01	4.80	4.14	5.45	6.53	7.13	7.67	8.40
17	6.09	---	6.44	5.14	5.04	4.77	4.20	5.50	6.60	7.17	7.52	8.43
18	6.15	---	6.40	5.07	5.09	4.74	4.27	5.57	6.67	7.20	7.58	8.46
19	6.18	6.92	6.37	4.99	5.14	4.67	4.37	5.64	6.74	7.23	7.66	8.49
20	---	6.94	6.41	4.97	5.15	4.62	4.47	5.67	6.81	7.26	7.71	8.51
21	6.26	6.96	6.47	5.06	5.10	4.63	4.57	5.68	6.86	7.28	7.73	8.53
22	6.29	6.96	6.46	5.10	5.12	4.68	4.67	5.74	6.90	7.31	7.76	8.55
23	6.32	6.93	6.41	5.14	5.16	4.58	4.73	5.78	6.96	7.27	7.78	8.57
24	6.35	6.90	6.39	5.23	4.98	4.55	4.80	5.85	7.02	7.26	7.80	8.59
25	6.38	6.85	6.39	5.20	4.73	4.51	4.91	5.91	7.05	7.31	7.83	8.62
26	6.41	6.94	6.19	5.20	4.67	4.53	5.00	5.96	7.08	7.35	7.85	8.63
27	6.45	---	5.87	5.33	4.65	4.55	5.04	6.03	7.05	7.38	7.86	8.65
28	6.49	6.59	5.73	5.43	4.46	4.49	5.17	6.10	7.10	7.42	7.88	8.69
29	6.52	---	5.64	5.40	---	4.55	5.24	6.17	6.95	7.45	7.90	8.71
30	6.52	---	5.65	5.23	---	4.64	5.30	6.22	6.77	7.40	7.92	8.72
31	6.56	---	5.68	5.19	---	4.67	---	6.23	---	7.33	7.95	---

WTR YR 2005 MEAN 6.17 HIGH 4.04 LOW 8.72

DUPLIN COUNTY—Continued

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