

Water-Data Report 2007

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

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
Duplin County, NC

LOCATION.--Lat 34°50'52", long 78°01'20" referenced to North American Datum of 1983, Duplin County, NC, 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: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

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

DATUM.--Land-surface datum is 86 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of 4 in. casing collar, 1.21 ft above land-surface datum, June 9, 2000, to present.

PERIOD OF RECORD.--October 2000 to November 2006 (discontinued). Well collapsed December 13, 2006. Replaced by well DU-157 (station number 345051078012109).

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.41 ft below land-surface datum, September 1, 2006; lowest water level recorded occurred during period when well was dry, September 1 to September 30, 2002.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.65	5.45	---	3.45	3.78	---	---	---	---	---	---	---
2	4.79	5.53	---	3.56	---	---	---	---	---	---	---	---
3	4.89	5.66	---	---	---	---	---	---	---	---	---	---
4	4.99	5.73	---	---	3.33	---	---	---	---	---	---	---
5	5.09	5.77	---	---	3.43	---	---	---	---	---	---	---
6	5.18	5.80	---	---	---	---	---	---	---	---	---	---
7	5.24	5.55	---	---	---	---	---	---	---	---	---	---
8	5.29	5.14	---	---	3.66	---	---	---	---	---	---	---
9	5.30	5.23	---	---	3.73	---	---	---	---	---	---	---
10	5.30	5.36	---	---	3.80	---	---	---	---	---	---	---
11	5.34	5.42	---	---	3.88	---	---	---	---	---	---	---
12	5.39	5.44	---	---	---	---	---	---	---	---	---	---
13	5.50	5.45	---	---	---	---	---	---	---	---	---	---
14	5.57	5.45	---	---	---	---	---	---	---	---	---	---
15	5.65	5.47	---	---	3.85	---	---	---	---	---	---	---
16	5.74	5.31	---	---	3.86	---	---	---	---	---	---	---
17	5.76	5.18	---	---	3.88	---	---	---	---	---	---	---
18	5.74	5.09	---	4.09	3.93	---	---	---	---	---	---	---
19	5.75	5.08	---	---	4.04	---	---	---	---	---	---	---
20	5.77	5.12	4.34	---	---	---	---	---	---	---	---	---
21	5.90	4.86	4.40	4.16	---	---	---	---	---	---	---	---
22	5.92	1.69	4.50	---	---	---	---	---	---	---	---	---
23	5.90	2.03	3.74	---	---	---	---	---	---	---	---	---
24	5.97	2.51	3.70	3.56	4.27	---	---	---	---	---	---	---
25	6.02	2.84	---	---	4.27	---	---	---	---	---	---	---
26	6.06	3.04	---	---	---	---	---	---	---	---	---	---
27	5.94	3.21	2.88	---	---	---	---	---	---	---	---	---
28	4.57	3.35	3.07	---	---	---	---	---	---	---	---	---
29	4.96	---	---	3.90	---	---	---	---	---	---	---	---
30	5.19	---	---	3.94	---	---	---	---	---	---	---	---
31	5.34	---	3.40	4.00	---	---	---	---	---	---	---	---
Mean	5.44	4.71	3.75	3.83	3.84	---	---	---	---	---	---	---
Max	6.06	5.80	4.50	4.16	4.27	---	---	---	---	---	---	---
Min	4.57	1.69	2.88	3.45	3.33	---	---	---	---	---	---	---

Water Year 2007	
Mean	4.66
High	1.69
Low	6.06

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