

ROWAN COUNTY

354057080362601. Local number, NC-193; DENR Piedmont Research Station well L63t1; County number, RO-149.

LOCATION.--Lat 35°40'58", long 80°36'25", Hydrologic Unit 03040102, 0.75 mi south of Secondary Road 1526 on Piedmont Research Station road, 2.75 mi south of Barber. Owner: North Carolina Department of Agriculture.

WATER-LEVEL RECORDS

AQUIFER.--Unconfined alluvial silt.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 24 ft, diameter 4 in., cased to 9 ft, screened interval from 9 to 19 ft, sand filter pack from 7.2 to 24 ft.

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

DATUM.--Land-surface datum is 678 ft above NGVD of 1929 (from topographic map). Measuring point: Two saw cuts in top of casing, 3.30 ft above land-surface datum.

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

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.97 ft below land-surface datum, Mar. 30, 1993; lowest water level recorded, 11.15 ft below land-surface datum, Sept. 14, 15, 16, 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	7.31	7.67	7.08	7.22	7.14	6.54	6.62	7.04	7.40	7.50	7.53	7.95
2	7.38	7.66	7.13	7.24	7.15	6.68	6.61	7.04	7.27	7.54	7.56	7.97
3	7.38	7.65	7.17	7.22	7.03	6.78	6.75	7.06	7.19	7.57	7.59	8.00
4	7.28	7.44	7.22	7.21	6.86	6.83	6.81	7.09	7.20	7.22	7.65	8.03
5	7.34	7.37	7.27	7.20	6.92	6.88	6.84	7.09	7.26	7.22	7.69	8.06
6	7.41	7.40	7.27	7.21	6.99	6.94	6.84	7.05	7.29	7.30	7.73	8.08
7	7.43	7.43	7.23	7.28	6.99	6.90	6.80	7.07	7.29	7.34	7.75	8.09
8	7.44	7.51	7.29	7.27	7.01	6.90	6.82	7.10	7.11	7.38	7.76	8.10
9	7.46	7.56	7.14	7.29	7.01	6.90	6.89	7.12	7.17	7.44	7.74	8.13
10	7.48	7.56	6.52	7.26	7.07	6.88	6.90	7.14	7.21	7.48	7.74	8.16
11	7.51	7.52	6.55	7.27	7.12	6.89	6.89	7.16	7.25	7.50	7.76	8.19
12	7.49	7.44	6.64	7.28	7.12	6.93	6.88	7.18	7.27	7.52	7.79	8.20
13	7.48	7.33	6.78	7.25	7.17	6.99	6.87	7.20	7.28	7.54	7.81	8.22
14	7.53	7.37	6.95	6.89	7.15	6.94	6.70	7.15	7.30	7.55	7.83	8.24
15	7.55	7.37	7.04	6.81	7.17	6.86	6.73	7.14	7.33	7.37	7.86	8.27
16	7.60	7.38	7.07	6.85	7.12	6.79	6.80	7.18	7.38	7.40	7.87	8.29
17	7.64	7.41	7.08	7.00	7.17	6.55	6.80	7.20	7.42	7.45	7.84	8.29
18	7.64	7.42	7.08	---	7.21	6.49	6.81	7.21	7.45	7.49	7.70	8.32
19	7.62	7.44	7.10	---	7.23	6.58	6.84	7.21	7.45	7.52	7.50	8.35
20	7.64	7.46	---	7.06	7.21	6.66	6.86	7.16	7.35	7.57	7.55	8.36
21	7.66	7.49	7.22	7.13	7.11	6.75	6.87	7.19	7.37	7.59	7.60	8.38
22	7.67	7.47	7.21	7.09	7.07	6.80	6.87	7.19	7.40	7.62	7.65	8.39
23	7.65	7.33	7.07	---	7.07	6.68	6.87	7.18	7.46	7.65	7.70	8.41
24	7.62	6.98	6.97	---	6.88	6.69	6.92	7.24	7.49	7.69	7.75	8.44
25	7.66	6.86	6.99	7.16	6.77	6.71	6.96	7.28	7.50	7.71	7.80	8.45
26	7.68	7.03	7.03	7.16	6.85	6.78	6.97	7.29	7.53	7.74	7.80	8.42
27	7.67	7.07	7.15	7.30	6.88	6.78	6.99	7.32	7.55	7.78	7.82	8.45
28	7.67	6.87	7.16	7.32	6.55	6.37	7.03	7.33	7.48	7.82	7.85	8.48
29	7.63	6.96	7.14	7.23	---	6.37	7.00	7.36	7.46	7.74	7.87	8.48
30	7.61	7.02	7.19	7.15	---	6.50	6.99	7.37	7.48	7.57	7.87	8.52
31	7.65	---	7.20	7.13	---	6.59	---	7.39	---	7.56	7.91	---

WTR YR 2005 MEAN 7.32 HIGH 6.37 LOW 8.52

GROUND-WATER LEVELS
ROWAN COUNTY—Continued

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