



Water-Data Report 2010

354057080362601 Local number RO-149 (NC-193) NCDENR PIEDMONT RESEARCH STATION, L63t1, NEAR SALISBURY, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Rowan County, NC

LOCATION.--Lat 35°40'58", long 80°36'25" referenced to North American Datum of 1983, Rowan County, NC, 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.

GROUNDWATER RECORDS

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.

DATUM.--Land-surface datum is 678 ft above NGVD of 1929 (from topographic map). Measuring point: Top of well casing, 3.30 ft above land-surface datum, November 1989 to present.

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

PRECIPITATION: April 1996 to current year, station number 354057080362645.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.97 ft below land-surface datum, March 30, 1993; lowest water level recorded, 11.15 ft below land-surface datum, September 14, 15, 16, 2002.

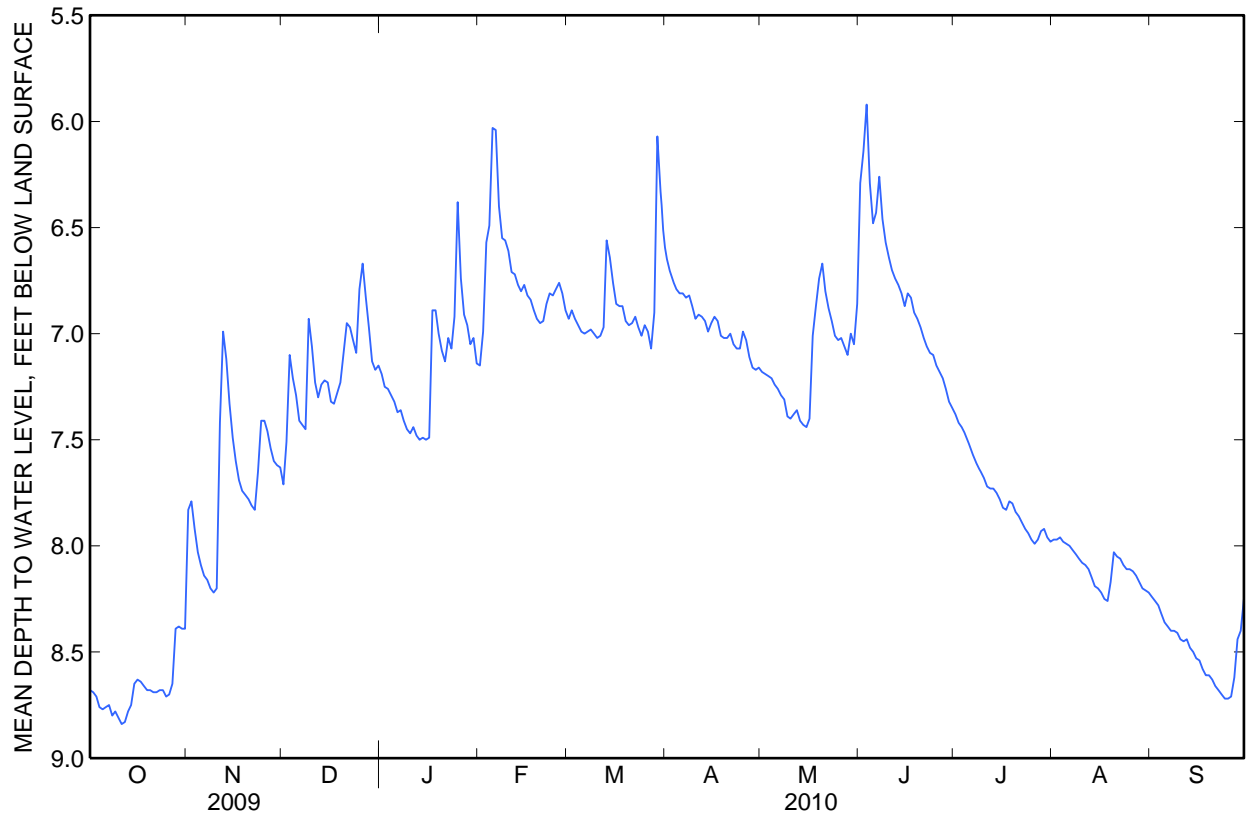
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.68	7.83	7.71	7.19	7.15	6.93	6.65	7.18	6.29	7.38	7.97	8.24
2	8.69	7.79	7.51	7.25	6.99	6.89	6.71	7.19	6.14	7.42	7.97	8.26
3	8.71	7.92	7.10	7.26	6.57	6.93	6.75	7.20	5.92	7.44	7.96	8.28
4	8.76	8.03	7.21	7.29	6.49	6.96	6.79	7.21	6.29	7.47	7.98	8.32
5	8.77	8.09	7.29	7.32	6.03	6.99	6.81	7.24	6.48	7.51	7.99	8.36
6	8.76	8.14	7.41	7.37	6.04	7.00	6.81	7.26	6.43	7.55	8.00	8.38
7	8.75	8.16	7.43	7.36	6.40	6.99	6.83	7.29	6.26	7.59	8.02	8.40
8	8.80	8.20	7.45	7.41	6.55	6.98	6.82	7.31	6.46	7.62	8.04	8.40
9	8.78	8.22	6.93	7.45	6.56	7.00	6.87	7.39	6.57	7.65	8.06	8.41
10	8.81	8.20	7.06	7.47	6.61	7.02	6.93	7.40	6.64	7.68	8.08	8.44
11	8.84	7.42	7.23	7.44	6.71	7.01	6.91	7.38	6.70	7.72	8.09	8.45
12	8.83	6.99	7.30	7.48	6.72	6.97	6.92	7.36	6.74	7.73	8.11	8.44
13	8.78	7.12	7.24	7.50	6.77	6.56	6.94	7.41	6.77	7.73	8.15	8.48
14	8.75	7.33	7.22	7.49	6.80	6.64	6.99	7.43	6.81	7.75	8.19	8.50
15	8.65	7.49	7.23	7.50	6.77	6.76	6.95	7.44	6.87	7.78	8.20	8.53
16	8.63	7.60	7.32	7.49	6.82	6.86	6.92	7.40	6.81	7.82	8.22	8.54
17	8.64	7.69	7.33	6.89	6.84	6.87	6.94	7.01	6.83	7.83	8.25	8.58
18	8.66	7.74	7.28	6.89	6.89	6.87	7.01	6.87	6.90	7.79	8.26	8.61
19	8.68	7.76	7.23	7.00	6.93	6.94	7.02	6.74	6.93	7.80	8.17	8.61
20	8.68	7.78	7.09	7.08	6.95	6.96	7.02	6.67	6.97	7.84	8.03	8.63
21	8.69	7.81	6.95	7.13	6.94	6.95	7.00	6.80	7.02	7.86	8.05	8.66
22	8.69	7.83	6.97	7.02	6.86	6.92	7.05	6.88	7.06	7.89	8.06	8.68
23	8.68	7.65	7.03	7.07	6.81	6.97	7.07	6.94	7.09	7.92	8.09	8.70
24	8.68	7.41	7.09	6.92	6.82	7.01	7.07	7.01	7.10	7.94	8.11	8.72
25	8.71	7.41	6.79	6.38	6.79	6.96	6.99	7.03	7.15	7.97	8.11	8.72
26	8.70	7.46	6.67	6.74	6.76	6.99	7.03	7.02	7.18	7.99	8.12	8.71
27	8.65	7.54	6.83	6.91	6.81	7.07	7.11	7.06	7.21	7.97	8.14	8.62
28	8.39	7.60	6.97	6.96	6.89	6.90	7.16	7.10	7.26	7.93	8.17	8.44
29	8.38	7.62	7.13	7.05	---	6.07	7.17	7.00	7.32	7.92	8.20	8.40
30	8.39	7.63	7.17	7.02	---	6.33	7.16	7.05	7.35	7.96	8.21	8.25
31	8.39	---	7.15	7.14	---	6.54	---	6.86	---	7.98	8.22	---
Mean	8.68	7.72	7.17	7.18	6.72	6.87	6.95	7.13	6.79	7.76	8.10	8.49
Max	8.84	8.22	7.71	7.50	7.15	7.07	7.17	7.44	7.35	7.99	8.26	8.72
Min	8.38	6.99	6.67	6.38	6.03	6.07	6.65	6.67	5.92	7.38	7.96	8.24

Water Year 2010	
Mean	7.47
High	5.92
Low	8.84

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