

Water-Data Report 2007

355359080331701 Local number DV-025, NC-142

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite(Unknown Age)

Davie County, NC

LOCATION.--Lat 35°53'59", long 80°33'16" referenced to North American Datum of 1983, Davie County, NC, Hydrologic Unit 03040102, 0.5 mi northeast of Mocksville on U.S. Highway 158 at B.C. Brocks Community Center. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, drilled to 30.8 ft, diameter 6 in., cased to 30.8 ft, open end, backfilled with gravel from 20 to 30.8 ft.

DATUM.--Land-surface datum is 835 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1981 to current year.

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

REMARKS.--In October 1982, well replaced nearby NC-110. Well is part of terrane-effects network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.64 ft below land-surface datum, March 28, 1993; lowest water level recorded, 23.22 ft below land-surface datum, August 23, 24, 25, 26, 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	18.43	18.39	17.25	17.16	16.83	16.75	16.36	16.62	17.51	17.80	18.34	19.21
2	18.46	18.40	17.39	17.06	16.79	16.48	16.40	16.64	17.53	17.81	18.38	19.25
3	18.46	18.50	17.40	17.01	16.93	16.44	16.43	16.68	17.47	17.82	18.40	19.27
4	18.46	18.53	17.44	16.93	16.95	16.48	16.41	16.70	17.51	17.83	18.44	19.29
5	18.46	18.50	17.47	16.86	17.01	16.47	16.52	16.70	17.55	17.83	18.45	19.33
6	18.48	18.48	17.45	16.89	16.99	16.48	16.53	16.76	17.61	17.83	18.47	19.36
7	18.51	18.37	17.47	16.87	16.93	16.43	16.59	16.82	17.63	17.85	18.50	19.37
8	18.52	18.22	17.59	16.71	17.01	16.47	16.64	16.80	17.65	17.87	18.52	19.39
9	18.52	18.20	17.59	16.66	17.04	16.50	16.65	16.78	17.68	17.91	18.56	19.42
10	18.52	18.19	17.59	16.70	17.07	16.48	16.66	16.80	17.73	17.93	18.59	19.45
11	18.50	18.15	17.59	16.66	17.11	16.52	16.61	16.82	17.75	17.93	18.62	19.47
12	18.53	18.10	17.61	16.61	17.09	16.55	16.53	16.86	17.74	17.97	18.66	19.51
13	18.61	18.03	17.58	16.57	17.02	16.54	16.61	16.92	17.76	18.00	18.68	19.54
14	18.65	17.98	17.58	16.57	16.89	16.55	16.54	17.00	17.74	18.01	18.72	19.51
15	18.70	17.94	17.58	16.56	16.92	16.56	16.28	16.99	17.75	18.02	18.76	19.50
16	18.70	17.81	17.67	16.63	16.89	16.36	16.33	16.97	17.75	18.05	18.79	19.54
17	18.63	17.77	17.70	16.78	16.82	16.21	16.30	17.02	17.76	18.06	18.82	19.55
18	18.57	17.71	17.71	16.72	16.86	16.24	16.27	17.07	17.78	18.06	18.87	19.56
19	18.51	17.68	17.74	16.67	16.91	16.22	16.30	17.11	17.79	18.07	18.89	19.56
20	18.48	17.69	17.79	16.77	16.83	16.18	16.35	17.13	17.79	18.09	18.92	19.56
21	18.54	17.68	17.78	16.77	16.82	16.21	16.38	17.16	17.82	18.14	18.95	19.56
22	18.49	17.51	17.71	16.66	16.86	16.17	16.39	17.20	17.83	18.17	18.95	19.57
23	18.51	17.40	17.73	16.70	16.95	16.17	16.40	17.24	17.84	18.19	18.98	19.59
24	18.54	17.35	17.78	16.72	16.96	16.21	16.39	17.28	17.88	18.20	19.00	19.61
25	18.55	17.32	17.66	16.73	16.85	16.25	16.41	17.29	17.88	18.21	19.03	19.62
26	18.55	17.30	17.53	16.78	16.78	16.28	16.44	17.31	17.88	18.23	19.05	19.64
27	18.47	17.29	17.56	16.74	16.81	16.26	16.44	17.35	17.87	18.23	19.09	19.65
28	18.40	17.29	17.56	16.73	16.85	16.30	16.52	17.39	17.88	18.24	19.12	19.68
29	18.45	17.28	17.55	16.89	---	16.37	16.56	17.43	17.86	18.26	19.14	19.73
30	18.44	17.26	17.50	16.84	---	16.36	16.59	17.45	17.82	18.28	19.14	19.75
31	18.41	---	17.44	16.91	---	16.34	---	17.48	---	18.31	19.17	---
Mean	18.52	17.88	17.58	16.77	16.92	16.38	16.46	17.02	17.73	18.04	18.77	19.50
Max	18.70	18.53	17.79	17.16	17.11	16.75	16.66	17.48	17.88	18.31	19.17	19.75
Min	18.40	17.26	17.25	16.56	16.78	16.17	16.27	16.62	17.47	17.80	18.34	19.21

Water Year 2007	
Mean	17.63
High	16.17
Low	19.75

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