

Water-Data Report 2007

351730080524203 Local number ME-301, NC-146

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite(Unknown Age)
Mecklenburg County, NC

LOCATION.--Lat 35°19'07", long 80°52'32" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, 6 mi south of Huntersville in Hornets Nest Park. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 17.1 ft, diameter 4 in., cased to 12.1 ft, screened interval from 12.1 to 17.1 ft, sand filter packed from 12.1 to 17.1 ft.

DATUM.--Land-surface datum is 730 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: top of casing, 1.90 ft above land-surface datum, July 31, 1998, to present.

PERIOD OF RECORD.--November 1984 to current year.

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, 2.28 ft below land-surface datum, March 24, 1993, April 10, 2003; lowest water level recorded, 8.57 ft below land-surface datum, August 14, 15, 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	5.77	5.45	4.58	4.29	4.38	3.91	4.31	4.21	5.83	6.57	6.40	6.38
2	5.83	5.46	4.68	4.21	4.16	3.07	4.27	4.28	5.87	6.62	6.48	6.38
3	5.87	5.53	4.71	4.26	4.18	3.42	4.32	4.37	5.77	6.65	6.55	6.42
4	5.90	5.56	4.73	4.28	4.20	3.64	4.31	4.41	5.77	6.71	6.64	6.47
5	5.93	5.55	4.77	4.27	4.25	3.77	4.38	4.40	5.91	6.77	6.74	6.54
6	5.97	5.54	4.78	4.11	4.28	3.86	4.40	4.43	5.99	6.83	6.79	6.62
7	5.99	5.46	4.78	4.07	4.25	3.90	4.43	4.51	6.06	6.85	6.82	6.67
8	5.96	4.88	4.87	3.51	4.32	3.95	4.49	4.53	6.11	6.89	6.85	6.72
9	5.93	4.83	4.88	3.71	4.34	4.04	4.47	4.55	6.13	6.85	6.90	6.79
10	5.97	4.93	4.88	3.95	4.37	4.08	4.46	4.59	6.23	5.54	6.94	6.88
11	5.98	4.99	4.88	4.07	4.42	4.10	4.43	4.64	6.28	5.59	6.97	6.96
12	5.98	4.79	4.90	4.10	4.43	4.14	4.04	4.70	6.23	5.73	6.95	7.05
13	6.01	4.75	4.90	4.14	4.39	4.16	4.08	4.74	6.21	5.88	6.93	7.09
14	6.03	4.80	4.90	4.19	3.77	4.17	4.10	4.84	6.28	5.96	6.95	7.04
15	6.07	4.86	4.90	4.22	3.86	4.18	3.40	4.87	6.25	6.02	6.97	6.94
16	6.09	4.17	4.96	4.28	3.95	4.00	3.35	4.89	6.30	5.98	7.00	7.00
17	5.99	4.23	5.00	4.42	4.01	3.74	3.59	4.97	6.38	6.06	7.02	7.05
18	5.32	4.39	5.01	4.42	4.08	3.85	3.71	5.04	6.46	6.12	7.04	7.10
19	5.26	4.49	5.01	4.36	4.19	3.94	3.82	5.10	6.51	6.18	7.09	7.14
20	5.31	4.61	5.05	4.42	4.20	3.98	3.78	5.14	6.54	6.24	7.13	7.17
21	5.43	4.67	5.05	4.44	4.21	4.05	3.83	5.21	6.62	6.27	7.18	7.18
22	5.45	3.73	4.92	4.06	4.26	---	3.89	5.28	6.67	6.34	7.17	7.20
23	5.47	3.81	4.58	4.02	4.33	---	3.96	5.34	6.74	6.41	7.21	7.26
24	5.51	4.04	4.60	4.07	4.36	4.12	3.98	5.38	6.78	6.45	7.19	7.32
25	5.54	4.18	4.30	4.13	4.17	4.16	4.02	5.42	6.53	6.47	7.24	7.36
26	5.55	4.30	3.95	4.22	3.73	4.23	4.08	5.47	6.48	6.50	7.24	7.40
27	5.54	4.40	4.15	4.24	3.84	4.29	4.02	5.54	6.49	6.52	6.62	7.44
28	5.37	4.46	4.28	4.24	3.97	4.29	4.02	5.61	6.51	6.32	6.44	7.49
29	5.40	4.54	4.36	4.38	---	4.30	4.09	5.66	6.57	6.31	6.40	7.55
30	5.43	4.58	4.40	4.39	---	4.30	4.16	5.72	6.61	6.31	6.37	7.58
31	5.43	---	4.41	4.42	---	4.28	---	5.77	---	6.32	6.36	---
Mean	5.72	4.73	4.72	4.19	4.17	4.00	4.07	4.96	6.30	6.33	6.86	7.01
Max	6.09	5.56	5.05	4.44	4.43	4.30	4.49	5.77	6.78	6.89	7.24	7.58
Min	5.26	3.73	3.95	3.51	3.73	3.07	3.35	4.21	5.77	5.54	6.36	6.38

Water Year 2007	
Mean	5.27
High	3.07
Low	7.58

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