

Water-Data Report 2007

**351121083545002 Local number CE-029, NC-192**

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

LOCATION.--Lat 35°11'21", long 83°54'50" referenced to North American Datum of 1983, Cherokee County, NC, Hydrologic Unit 06020002, 0.7 mi north of Marble, 75 ft west of Secondary Road 1377. Owner: Coats American Company.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, diameter 4 in., cased to 14 ft, screened interval from 14 to 24 ft, sand filter pack from 6 to 24 ft.

DATUM.--Land-surface datum is 1,710 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: 3 saw cuts in top of casing, 3.35 ft above land-surface datum.

PERIOD OF RECORD.--October 1989 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, 0.26 ft above land-surface datum, February 26, 2001; lowest water level recorded, 14.44 ft below land-surface datum, November 4, 5, 6, 1993.

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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	5.98	4.43	5.74	4.69	5.35	6.01	6.39	7.64	9.21	10.63	8.50	11.65
2	6.13	4.62	5.71	4.00	5.42	4.83	6.41	7.70	9.30	10.74	8.62	11.31
3	6.28	4.82	5.72	3.91	5.51	4.06	6.43	7.76	9.38	10.84	8.77	11.10
4	6.41	5.01	5.78	4.03	5.63	4.01	6.40	7.83	9.46	10.93	8.93	11.01
5	6.54	5.19	5.87	4.18	5.75	4.19	6.29	7.86	9.54	11.01	9.10	10.98
6	6.66	5.36	5.98	4.01	5.86	4.42	6.24	7.59	9.62	11.09	9.26	11.02
7	6.78	5.50	6.09	3.90	5.96	4.63	6.23	7.43	9.70	11.16	9.42	11.10
8	6.92	5.47	6.20	3.39	6.06	4.81	6.26	7.35	9.78	11.23	9.58	11.21
9	7.05	5.41	6.31	3.08	6.16	4.99	6.31	7.34	9.88	11.09	9.74	11.33
10	7.18	5.39	6.42	3.18	6.25	5.17	6.37	7.37	9.97	10.78	9.88	11.47
11	7.30	5.43	6.52	3.44	6.34	5.33	6.43	7.44	10.05	10.39	10.04	11.62
12	7.27	5.48	6.61	3.74	6.42	5.48	6.50	7.52	10.15	8.99	10.18	11.76
13	7.23	5.54	6.68	4.01	6.48	5.63	6.58	7.62	10.24	8.06	10.33	11.87
14	7.28	5.63	6.75	4.25	6.47	5.76	6.65	7.72	10.33	7.65	10.47	11.86
15	7.39	5.64	6.82	4.45	6.44	5.88	6.67	7.82	10.42	7.50	10.62	10.51
16	7.51	4.51	6.90	4.62	6.43	5.75	6.72	7.91	10.51	7.50	10.77	9.22
17	7.20	3.52	6.98	4.81	6.43	5.21	6.78	8.00	10.60	7.57	10.90	8.53
18	5.48	3.30	7.07	4.98	6.45	5.02	6.85	8.09	10.68	7.68	11.04	8.22
19	4.61	3.46	7.14	5.13	6.50	5.03	6.91	8.17	10.75	7.80	11.17	8.12
20	4.34	3.74	7.22	5.27	6.56	5.11	6.98	8.26	10.57	7.92	11.29	8.13
21	4.37	4.05	7.29	5.38	6.61	5.21	7.05	8.35	10.22	8.08	11.40	8.21
22	4.56	4.31	7.26	4.95	6.67	5.33	7.11	8.44	10.04	8.26	11.50	8.33
23	4.78	4.53	6.66	4.53	6.72	5.44	7.17	8.52	9.97	8.46	11.60	8.50
24	4.99	4.73	6.20	4.42	6.78	5.57	7.24	8.59	9.97	8.65	11.69	8.69
25	5.19	4.92	5.93	4.47	6.73	5.69	7.30	8.67	10.02	8.81	11.78	8.88
26	5.36	5.11	5.66	4.58	6.38	5.81	7.36	8.74	10.09	8.95	11.86	9.07
27	5.45	5.29	5.45	4.69	6.20	5.92	7.40	8.82	10.17	9.10	11.95	9.26
28	4.75	5.46	5.35	4.80	6.14	6.04	7.45	8.89	10.28	9.11	11.91	9.45
29	4.10	5.63	5.37	4.93	---	6.14	7.51	8.96	10.39	8.69	11.83	9.64
30	4.07	5.76	5.44	5.07	---	6.24	7.57	9.04	10.51	8.48	11.81	9.82
31	4.23	---	5.50	5.21	---	6.33	---	9.12	---	8.44	11.84	---
<b>Mean</b>	5.92	4.91	6.28	4.39	6.24	5.32	6.79	8.08	10.06	9.21	10.57	10.06
<b>Max</b>	7.51	5.76	7.29	5.38	6.78	6.33	7.57	9.12	10.75	11.23	11.95	11.87
<b>Min</b>	4.07	3.30	5.35	3.08	5.35	4.01	6.23	7.34	9.21	7.50	8.50	8.12

<b>Water Year 2007</b>	
<b>Mean</b>	7.32
<b>High</b>	3.08
<b>Low</b>	11.95

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