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 NGVD of 1929 (from topographic map). Measuring point: Three 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, Feb. 26, 2001; lowest water level recorded, 14.44 ft below land-surface datum, Nov. 4, 5, 6, 1993.

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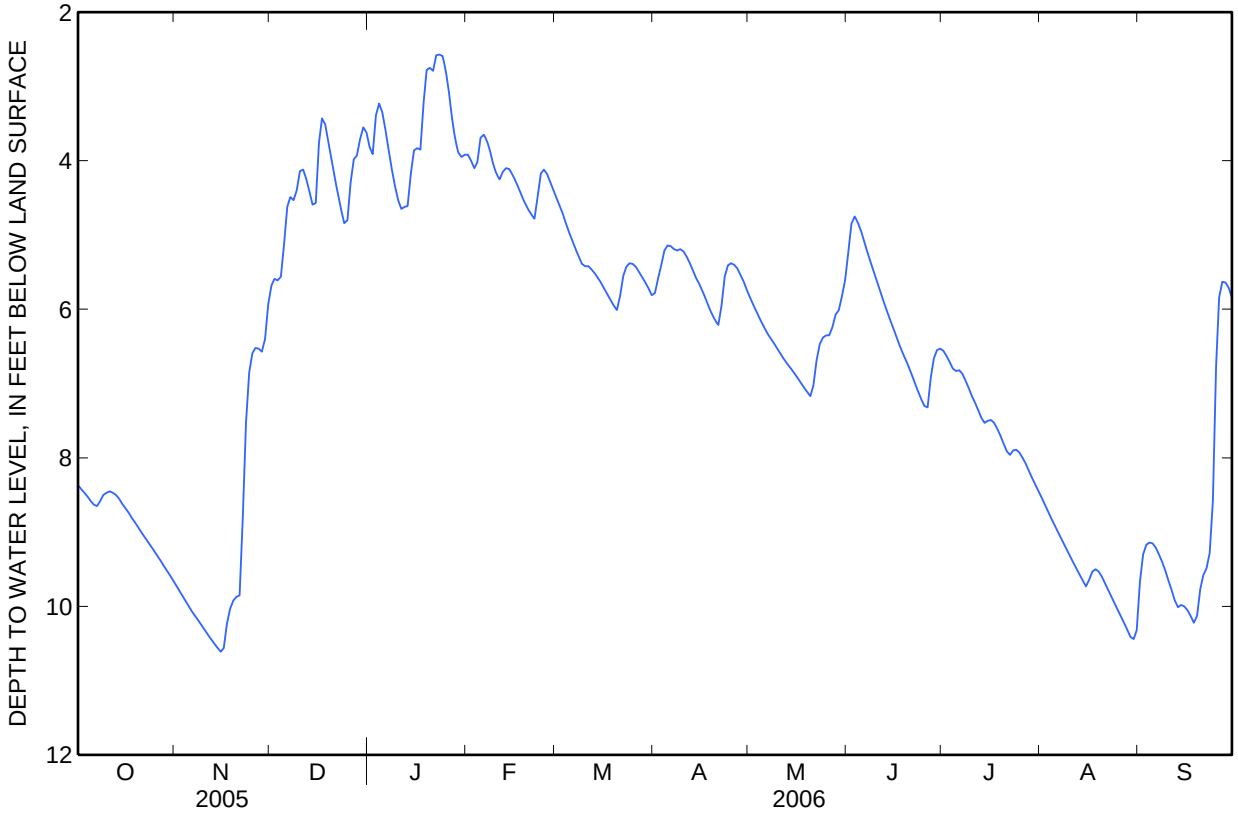
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.37	9.72	5.68	3.82	3.92	4.51	5.78	5.84	5.24	6.56	8.54	9.67
2	8.42	9.79	5.59	3.91	4.00	4.61	5.58	5.94	4.85	6.63	8.63	9.30
3	8.47	9.86	5.61	3.39	4.10	4.72	5.41	6.03	4.75	6.71	8.72	9.17
4	8.52	9.93	5.56	3.23	4.02	4.85	5.21	6.12	4.83	6.80	8.81	9.14
5	8.58	10.00	5.12	3.35	3.69	4.98	5.14	6.20	4.95	6.83	8.90	9.15
6	8.63	10.07	4.62	3.59	3.65	5.08	5.15	6.29	5.08	6.82	8.98	9.21
7	8.65	10.13	4.49	3.86	3.74	5.19	5.19	6.36	5.22	6.87	9.07	9.30
8	8.58	10.19	4.53	4.11	3.88	5.29	5.21	6.42	5.36	6.96	9.16	9.40
9	8.50	10.26	4.40	4.34	4.03	5.39	5.19	6.49	5.49	7.06	9.25	9.52
10	8.47	10.32	4.14	4.53	4.18	5.42	5.22	6.56	5.62	7.17	9.33	9.65
11	8.45	10.38	4.12	4.65	4.25	5.42	5.29	6.62	5.75	7.26	9.41	9.78
12	8.47	10.44	4.24	4.62	4.15	5.46	5.38	6.69	5.87	7.36	9.49	9.92
13	8.50	10.50	4.41	4.61	4.10	5.52	5.48	6.75	6.00	7.46	9.57	10.01
14	8.55	10.56	4.59	4.18	4.11	5.57	5.58	6.81	6.12	7.53	9.66	9.98
15	8.62	10.61	4.57	3.86	4.18	5.65	5.66	6.86	6.23	7.50	9.73	10.0
16	8.68	10.56	3.76	3.83	4.27	5.72	5.76	6.92	6.35	7.49	9.64	10.05
17	8.74	10.23	3.43	3.85	4.37	5.80	5.86	6.99	6.46	7.53	9.53	10.13
18	8.81	10.03	3.51	3.22	4.48	5.87	5.97	7.05	6.57	7.61	9.50	10.22
19	8.87	9.92	3.74	2.78	4.57	5.95	6.06	7.11	6.67	7.70	9.53	10.13
20	8.94	9.87	4.00	2.75	4.65	6.01	6.15	7.17	6.77	7.81	9.60	9.77
21	9.00	9.85	4.23	2.79	4.72	5.82	6.21	7.03	6.88	7.91	9.69	9.58
22	9.06	8.80	4.45	2.58	4.78	5.55	5.95	6.69	6.99	7.96	9.78	9.49
23	9.13	7.53	4.65	2.57	4.48	5.43	5.56	6.47	7.10	7.90	9.87	9.28
24	9.19	6.85	4.84	2.59	4.17	5.38	5.41	6.38	7.21	7.89	9.96	8.58
25	9.25	6.59	4.80	2.78	4.12	5.39	5.38	6.35	7.30	7.93	10.05	6.77
26	9.32	6.52	4.29	3.09	4.18	5.43	5.40	6.35	7.32	8.00	10.13	5.84
27	9.38	6.53	3.98	3.42	4.29	5.50	5.45	6.24	6.92	8.08	10.22	5.63
28	9.45	6.57	3.93	3.71	4.40	5.57	5.54	6.07	6.66	8.18	10.32	5.64
29	9.51	6.40	3.71	3.89	---	5.64	5.63	6.01	6.55	8.27	10.41	5.71
30	9.58	5.93	3.55	3.95	---	5.72	5.74	5.82	6.53	8.35	10.44	5.84
31	9.65	---	3.62	3.92	---	5.81	---	5.60	---	8.45	10.32	---
Mean	8.85	9.16	4.39	3.61	4.20	5.43	5.55	6.46	6.12	7.50	9.56	8.86
Max	9.65	10.61	5.68	4.65	4.78	6.01	6.21	7.17	7.32	8.45	10.44	10.22
Min	8.37	5.93	3.43	2.57	3.65	4.51	5.14	5.60	4.75	6.56	8.54	5.63

	Water Year 2006
Mean	6.65
High	2.57
Low	10.61

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