

Water-Data Report 2008

351117083545001 Local number CE-028 (NC-191), at Marble, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite(Unknown Age)

Cherokee County, NC

LOCATION.--Lat 35°11'17", long 83°54'50" referenced to North American Datum of 1983, Cherokee County, NC, Hydrologic Unit 06020002, 100 ft west of Secondary Road 1370 and .6 mi north of Marble. Owner: Coats American Company.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 108.5 ft, diameter 4 in., cased to 53 ft, screened interval from 53 to 83 ft, sand filter pack from 40 to 83 ft, backfilled with saprolite from 83 to 108.5 ft.

DATUM.-- Land-surface datum is 1,720 ft above NGVD of 1929 (from topographic map). Measuring point: top of shelter floor, 3.73 ft above land-surface datum, April 18, 2002 to present

PERIOD OF RECORD.--September 1985 to current year. Continuous record began October 1989.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.26 ft below land-surface datum, March 29, 1994; lowest water level recorded, 42.02 ft below land-surface datum, December 17, 2007.

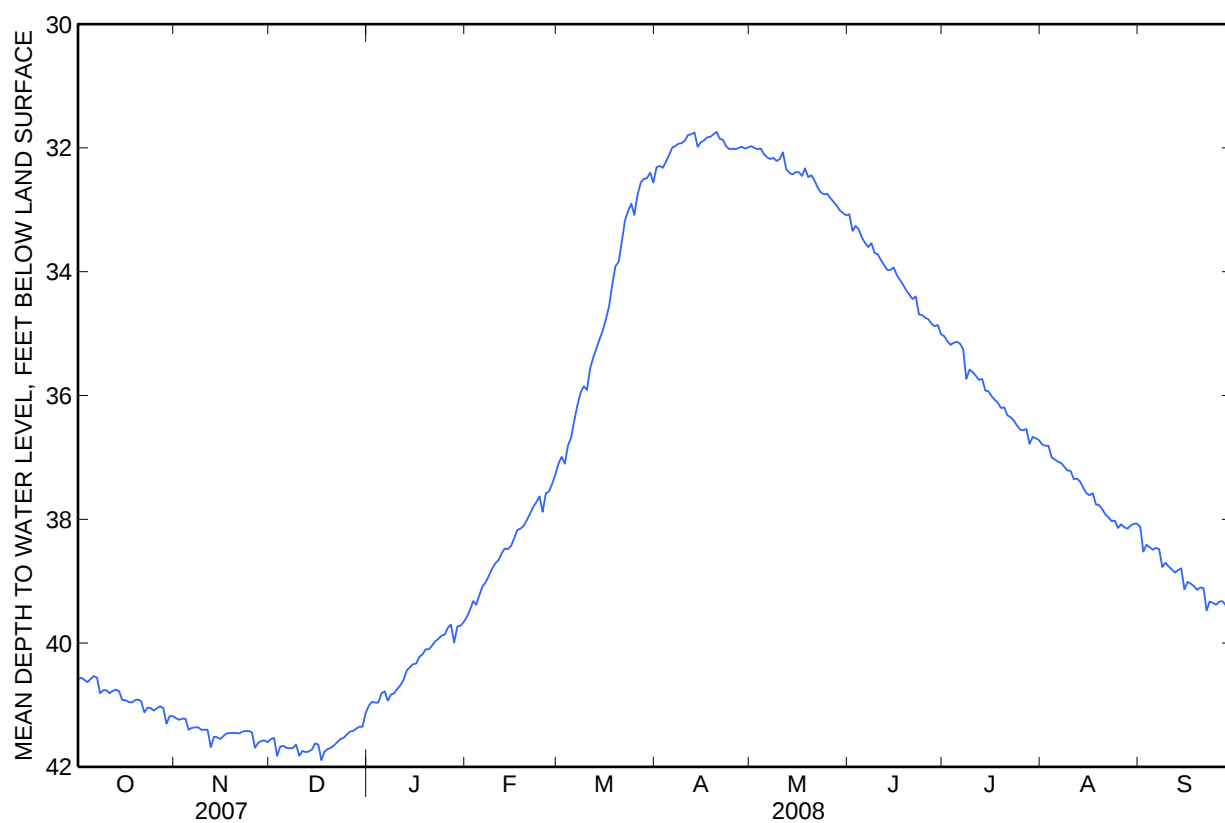
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40.58	41.21	41.55	41.01	39.58	37.10	32.31	31.97	33.07	35.04	36.79	38.12
2	40.56	41.24	41.53	40.95	39.46	36.99	32.29	32.00	33.34	35.12	36.81	38.52
3	40.59	41.22	41.82	40.96	39.32	37.10	32.32	32.02	33.26	35.18	36.81	38.41
4	40.63	41.22	41.67	40.96	39.38	36.81	32.22	32.01	33.32	35.15	37.00	38.45
5	40.58	41.40	41.66	40.81	39.22	36.68	32.11	32.10	33.45	35.13	37.03	38.49
6	40.53	41.37	41.69	40.78	39.08	36.40	31.99	32.15	33.54	35.16	37.07	38.46
7	40.56	41.36	41.70	40.93	39.01	36.15	31.97	32.18	33.60	35.25	37.09	38.48
8	40.81	41.36	41.69	40.83	38.91	35.95	31.93	32.16	33.54	35.73	37.15	38.77
9	40.76	41.40	41.64	40.81	38.80	35.85	31.92	32.21	33.70	35.58	37.21	38.70
10	40.76	41.40	41.82	40.74	38.71	35.91	31.88	32.18	33.72	35.62	37.22	38.76
11	40.81	41.40	41.74	40.68	38.66	35.56	31.79	32.07	33.81	35.68	37.35	38.81
12	40.77	41.68	41.76	40.59	38.55	35.38	31.78	32.34	33.89	35.75	37.34	38.86
13	40.75	41.51	41.75	40.44	38.47	35.24	31.75	32.40	33.97	35.73	37.39	38.82
14	40.78	41.52	41.72	40.39	38.48	35.09	31.98	32.43	33.97	35.92	37.49	38.79
15	40.92	41.55	41.62	40.34	38.43	34.95	31.91	32.39	33.93	35.93	37.58	39.13
16	40.92	41.50	41.64	40.33	38.30	34.76	31.88	32.39	34.05	36.01	37.61	39.01
17	40.95	41.46	41.89	40.22	38.17	34.56	31.83	32.45	34.13	36.07	37.58	39.04
18	40.96	41.45	41.75	40.18	38.15	34.21	31.82	32.33	34.21	36.12	37.76	39.08
19	40.92	41.45	41.71	40.10	38.10	33.91	31.78	32.47	34.30	36.20	37.77	39.14
20	40.91	41.45	41.69	40.10	38.01	33.84	31.74	32.44	34.37	36.19	37.84	39.10
21	40.94	41.46	41.65	40.04	37.91	33.53	31.85	32.53	34.44	36.32	37.92	39.11
22	41.12	41.43	41.60	39.97	37.80	33.18	31.87	32.64	34.40	36.35	37.97	39.47
23	41.04	41.42	41.55	39.93	37.72	33.02	31.97	32.72	34.69	36.40	38.03	39.33
24	41.05	41.42	41.53	39.88	37.63	32.90	32.02	32.75	34.70	36.48	38.02	39.35
25	41.09	41.44	41.48	39.86	37.88	33.08	32.01	32.74	34.74	36.55	38.14	39.38
26	41.05	41.69	41.43	39.75	37.58	32.76	32.02	32.81	34.77	36.56	38.08	39.33
27	41.02	41.61	41.42	39.70	37.55	32.56	32.00	32.87	34.84	36.54	38.13	39.32
28	41.05	41.58	41.38	39.99	37.42	32.50	31.98	32.93	34.88	36.78	38.15	39.38
29	41.30	41.57	41.35	39.73	37.28	32.49	32.01	33.01	34.86	36.67	38.10	39.70
30	41.18	41.60	41.35	39.72	---	32.40	31.99	33.05	35.01	36.69	38.07	39.58
31	41.18	---	41.13	39.66	---	32.56	---	33.09	---	36.72	38.07	---
Mean	40.87	41.45	41.61	40.33	38.40	34.63	31.96	32.45	34.08	35.96	37.57	38.96
Max	41.30	41.69	41.89	41.01	39.58	37.10	32.32	33.09	35.01	36.78	38.15	39.70
Min	40.53	41.21	41.13	39.66	37.28	32.40	31.74	31.97	33.07	35.04	36.79	38.12

Water Year 2008	
Mean	37.36
High	31.74
Low	41.89

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