

## GROUND-WATER LEVELS

## CHEROKEE COUNTY

351117083545001. Local number, NC-191; County number, CE-028.

LOCATION.--Lat 35°11'17", long 83°54'50", Hydrologic Unit 06020002, 0.6 mi north of Marble, 100 ft west of Secondary Road 1377.

Owner: Coats American Company.

AQUIFER.--Saprolite derived from schist of Precambrian age.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 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.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals.

DATUM.--Land-surface datum is 1,720 ft above sea level (from topographic map). Measuring point: Top of instrument shelf, 0.45 ft above land-surface datum; revised from 1.15 ft above land surface August 1995.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.26 ft below land-surface datum, Mar. 29, 1994; lowest water level recorded, 40.49 ft below land-surface datum, Jan. 2, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.59	39.80	39.91	39.61	37.70	33.06	30.46	32.55	34.21	34.62	35.09	33.20
2	38.63	39.83	39.93	40.25	37.65	32.78	30.53	32.61	34.12	34.69	34.92	33.03
3	38.66	39.85	39.93	40.00	37.54	32.58	30.49	32.74	34.07	34.78	34.80	32.84
4	38.71	39.87	39.95	39.99	37.43	32.31	30.57	32.81	34.15	34.77	34.68	32.86
5	38.78	39.88	39.92	40.01	37.39	32.28	30.68	32.85	34.12	34.71	34.63	32.92
6	38.83	39.91	39.93	39.95	37.35	32.16	30.69	32.93	34.13	34.77	34.62	32.86
7	38.88	39.95	39.97	39.83	37.37	31.92	30.90	33.08	34.08	34.81	34.58	32.84
8	38.87	40.07	40.02	39.78	37.32	31.73	30.99	33.11	34.04	34.81	34.53	32.75
9	38.91	40.01	40.01	39.79	37.22	31.52	31.18	33.14	34.00	34.91	34.48	32.66
10	38.92	39.93	40.02	39.78	37.15	31.52	31.33	33.16	33.94	34.90	34.43	32.74
11	38.94	39.86	40.00	39.72	37.08	31.40	31.45	33.28	34.04	34.93	34.41	32.69
12	38.99	39.83	40.02	39.70	37.14	31.25	31.60	33.37	34.00	35.03	34.36	32.66
13	39.02	39.86	40.03	39.62	37.05	31.24	31.59	33.37	34.01	35.05	34.27	32.64
14	39.05	39.89	40.05	39.61	36.91	31.22	31.53	33.46	34.07	35.10	34.04	32.58
15	39.07	39.88	40.05	39.66	36.79	31.01	31.36	33.54	34.08	35.12	33.92	32.57
16	39.09	39.86	39.98	39.60	36.65	30.92	31.93	33.59	34.11	35.21	33.83	32.54
17	39.12	39.86	39.98	39.63	36.51	30.94	31.89	33.68	34.13	35.24	33.75	32.56
18	39.18	39.87	39.89	39.58	36.25	30.87	31.87	33.77	34.22	35.28	33.63	32.58
19	39.23	39.84	39.87	39.40	36.03	30.81	31.88	33.83	34.25	35.35	33.51	32.56
20	39.27	39.88	39.90	39.13	35.83	30.57	31.92	33.84	34.32	35.38	33.56	32.51
21	39.30	39.86	39.80	38.88	35.68	30.57	32.01	33.95	34.31	35.32	33.50	32.49
22	39.35	39.90	39.84	38.72	35.46	30.65	31.98	34.02	34.34	35.34	33.45	32.57
23	39.39	39.91	39.86	38.55	35.29	30.61	32.14	34.05	34.39	35.39	33.42	32.60
24	39.43	39.85	39.78	38.40	35.05	30.57	31.98	34.05	34.43	35.43	33.41	32.62
25	39.49	39.80	39.75	38.29	34.79	30.55	32.02	34.06	34.54	35.46	33.37	32.65
26	39.55	39.80	39.71	38.18	34.48	30.55	32.08	34.04	34.61	35.56	33.29	32.60
27	39.60	39.84	39.71	38.10	33.88	30.55	32.10	34.05	34.64	35.66	33.28	32.59
28	39.63	39.89	39.72	38.00	33.39	30.53	32.13	34.00	34.65	35.74	33.28	32.63
29	39.65	39.88	39.66	37.94	---	30.42	32.20	34.23	34.67	35.66	33.29	32.69
30	39.75	39.92	39.64	37.84	---	30.42	32.69	34.19	34.65	35.45	33.28	32.70
31	39.82	---	39.64	37.74	---	30.50	---	34.21	---	35.24	33.30	---

WTR YR 2001 MEAN 35.57 HIGH 30.42 LOW 40.25

CHEROKEE COUNTY--Continued

351117083545001 Local number, NC-191; County number, CE-028

