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, depth108.5 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. Satellite telemetry at station.

DATUM.--Land-surface datum is 1,720 ft above NGVD of 1929 (from topographic map). Measuring point: Top of instrument shelf, 3.73 ft above land-surface datum; revised from 0.45 ft above land-surface datum April 2002; revised from 1.15 ft above land surface August 1995.

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

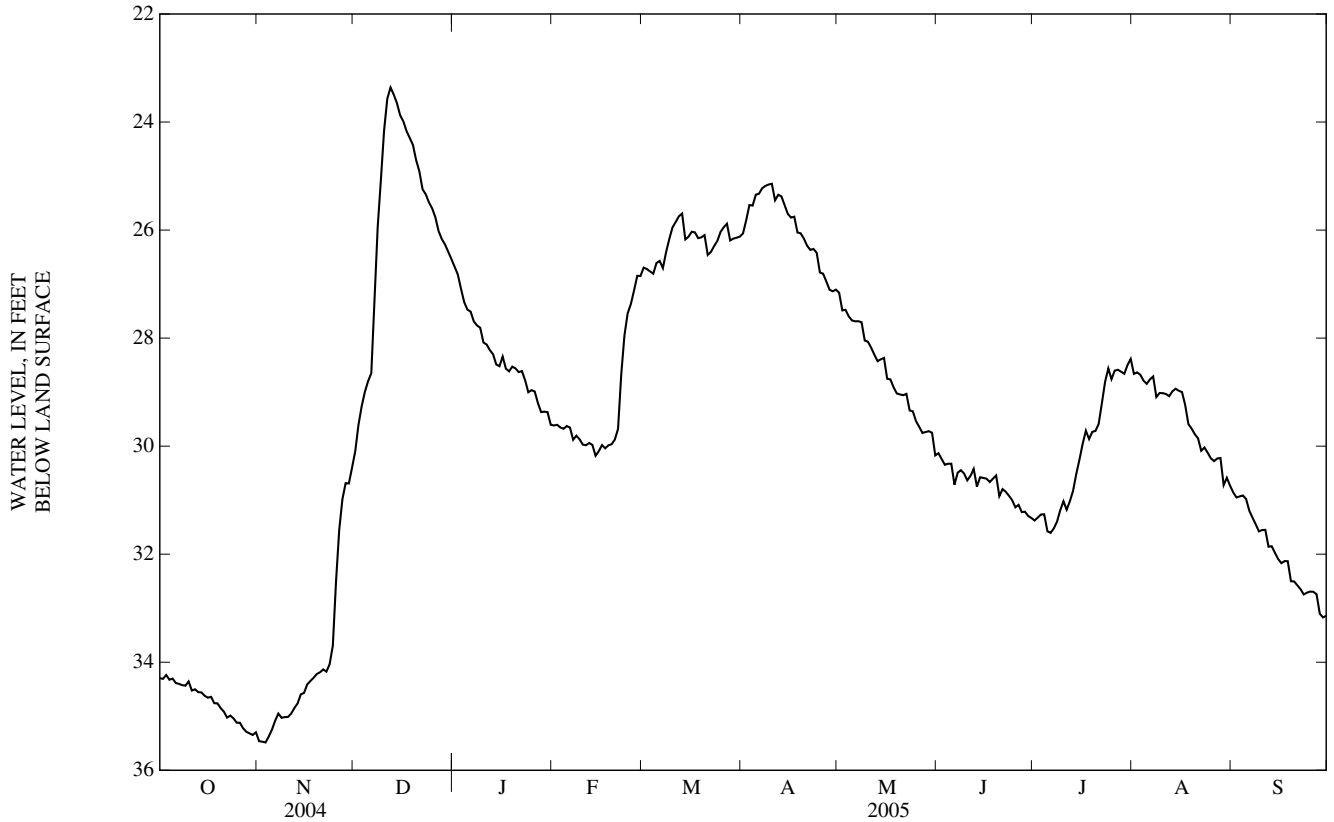
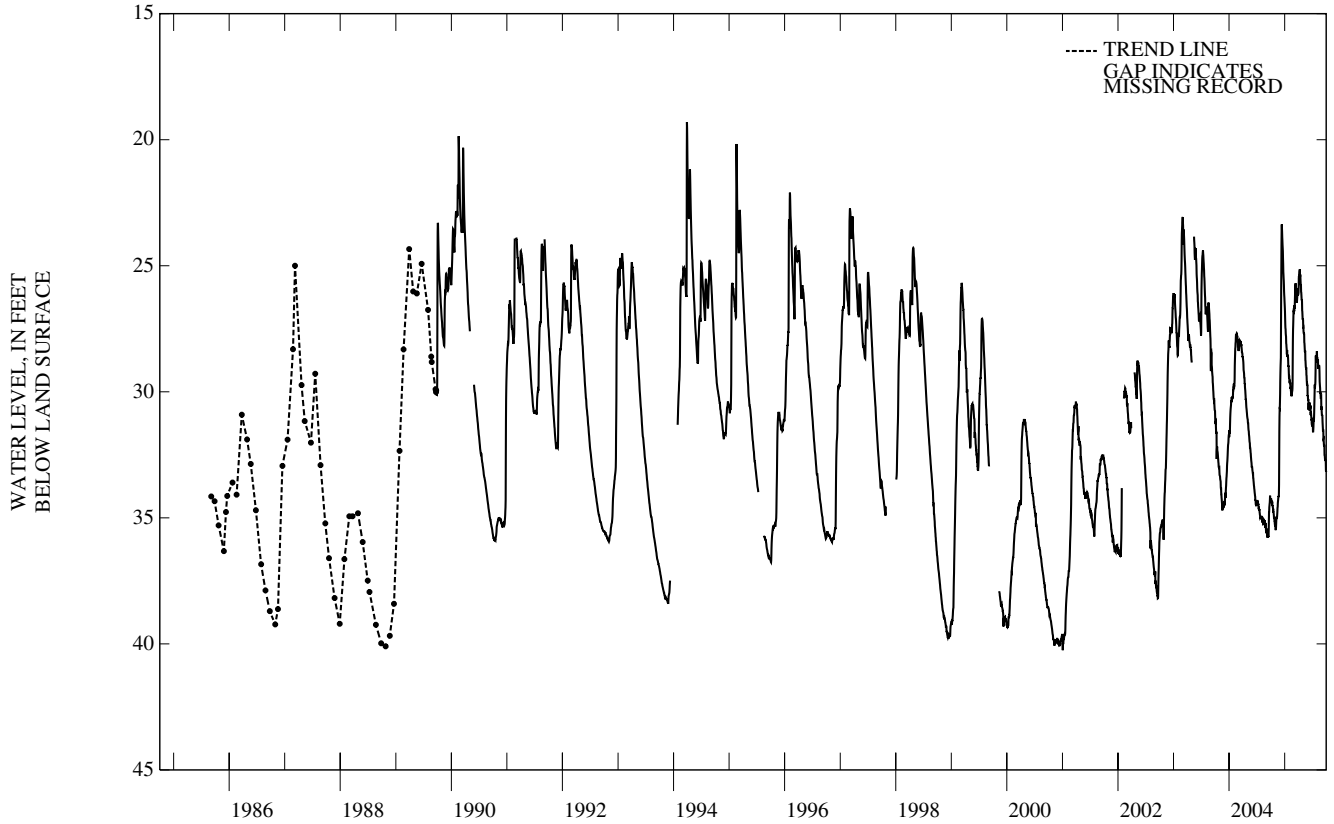
PERIOD OF RECORD.--September 1985 to current year. Continuous record began October 1989.

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 TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.30	35.46	30.09	26.68	29.62	26.70	26.06	27.16	30.13	31.38	28.66	30.86
2	34.31	35.47	29.61	26.82	29.61	26.72	25.82	27.49	30.24	31.32	28.64	30.95
3	34.24	35.49	29.26	27.09	29.65	26.77	25.54	27.48	30.34	31.27	28.68	30.93
4	34.32	35.37	28.99	27.34	29.68	26.81	25.55	27.60	30.33	31.26	28.79	30.91
5	34.30	35.25	28.80	27.47	29.63	26.61	25.34	27.67	30.33	31.58	28.85	30.98
6	34.39	35.08	28.65	27.51	29.66	26.57	25.33	27.69	30.71	31.61	28.76	31.19
7	34.40	34.95	27.30	27.69	29.88	26.70	25.22	27.69	30.49	31.52	28.71	31.32
8	34.42	35.03	25.95	27.77	29.81	26.41	25.18	27.71	30.44	31.40	29.09	31.45
9	34.43	35.02	25.07	27.81	29.87	26.16	25.16	28.05	30.51	31.19	29.02	31.58
10	34.36	35.01	24.16	28.08	29.97	25.95	25.14	28.07	30.63	31.02	29.02	31.55
11	34.52	34.95	23.57	28.12	29.98	25.85	25.45	28.18	30.55	31.18	29.04	31.55
12	34.50	34.85	23.36	28.22	29.94	25.74	25.35	28.31	30.42	31.02	29.08	31.86
13	34.55	34.76	23.49	28.30	29.98	25.69	25.38	28.43	30.75	30.83	28.99	31.85
14	34.56	34.59	23.65	28.49	30.18	26.17	25.54	28.39	30.58	30.52	28.94	31.97
15	34.62	34.57	23.87	28.52	30.09	26.12	25.70	28.37	30.59	30.25	28.97	32.09
16	34.66	34.41	23.99	28.34	29.98	26.03	25.77	28.75	30.60	29.96	29.00	32.17
17	34.64	34.35	24.17	28.56	30.04	26.04	25.75	28.76	30.66	29.71	29.24	32.13
18	34.76	34.29	24.29	28.61	29.98	26.15	26.05	28.91	30.60	29.87	29.59	32.13
19	34.76	34.22	24.42	28.53	29.97	26.14	26.06	29.02	30.54	29.74	29.68	32.50
20	34.85	34.19	24.71	28.56	29.88	26.09	26.16	29.04	30.93	29.72	29.78	32.50
21	34.92	34.13	24.91	28.63	29.68	26.46	26.29	29.06	30.80	29.59	29.86	32.58
22	35.02	34.17	25.25	28.61	28.67	26.40	26.37	29.03	30.84	29.21	30.09	32.65
23	34.99	34.04	25.34	28.78	27.95	26.30	26.35	29.34	30.92	28.81	30.02	32.75
24	35.04	33.69	25.49	29.00	27.54	26.20	26.42	29.36	31.00	28.56	30.12	32.71
25	35.12	32.50	25.60	28.96	27.37	26.03	26.78	29.54	31.13	28.76	30.23	32.69
26	35.12	31.55	25.76	28.99	27.12	25.95	26.81	29.64	31.09	28.60	30.28	32.70
27	35.22	30.98	26.02	29.20	26.85	25.88	26.95	29.76	31.22	28.59	30.23	32.74
28	35.29	30.69	26.17	29.37	26.85	26.19	27.10	29.74	31.21	28.62	30.22	33.10
29	35.32	30.69	26.27	29.36	---	26.16	27.13	29.72	31.29	28.66	30.72	33.17
30	35.35	30.40	26.40	29.37	---	26.14	27.10	29.75	31.33	28.50	30.59	33.14
31	35.30	---	26.54	29.60	---	26.12	---	30.17	---	28.39	30.73	---

WTR YR 2005 MEAN 29.60 HIGH 23.36 LOW 35.49

CHEROKEE COUNTY—Continued

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