

GROUND-WATER LEVELS

CHEROKEE COUNTY--Continued

351121083545002. Local number, NC-192; County name, CE-029.

LOCATION.--Lat 35°11'21", long 83°54'50", Hydrologic Unit 06020002, 0.7 mi north of Marble, 75 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 24 ft, diameter 4 in., cased to 14 ft, screened interval from 14 to 24 ft, sand filter pack from 6 to 24 ft.

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

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.

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

PERIOD OF RECORD.--October 1989 to current year.

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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 5.67 | 8.30 | 7.88 | 5.36 | 3.55 | 5.89 | 3.04 | 5.96 | 6.23 | 7.63 | 7.20 | 6.42 |
| 2 | 5.81 | 8.36 | 7.71 | 5.48 | 3.74 | 5.96 | 2.88 | 5.71 | 6.31 | 7.67 | 7.29 | 6.25 |
| 3 | 5.95 | 8.42 | 7.61 | 5.58 | 3.96 | 5.96 | 2.97 | 5.43 | 6.40 | 7.72 | 7.40 | 6.10 |
| 4 | 6.08 | 8.49 | 7.58 | 5.72 | 4.18 | 5.88 | 3.23 | 4.66 | 6.48 | 7.77 | 7.52 | 6.03 |
| 5 | 6.20 | 8.55 | 7.59 | 5.85 | 4.41 | 5.81 | 3.53 | 3.80 | 6.55 | 7.83 | 7.63 | 6.03 |
| 6 | 6.30 | 8.62 | 7.63 | 5.94 | 4.58 | 5.78 | 3.81 | 3.52 | 6.58 | 7.90 | 7.74 | 6.08 |
| 7 | 6.39 | 8.69 | 7.69 | 6.01 | 4.47 | 5.77 | 4.07 | 3.58 | 6.57 | 7.97 | 7.86 | 6.16 |
| 8 | 6.50 | 8.75 | 7.76 | 6.10 | 4.03 | 5.77 | 4.28 | 3.78 | 6.56 | 8.04 | 7.98 | 6.26 |
| 9 | 6.60 | 8.82 | 7.82 | 6.17 | 3.81 | 5.79 | 4.44 | 4.02 | 6.56 | 8.11 | 8.10 | 6.36 |
| 10 | 6.70 | 8.87 | 7.82 | 6.26 | 3.77 | 5.79 | 4.44 | 4.25 | 6.59 | 8.18 | 8.22 | 6.46 |
| 11 | 6.80 | 8.93 | 7.34 | 6.34 | 3.85 | 5.75 | 4.43 | 4.46 | 6.65 | 8.24 | 8.34 | 6.57 |
| 12 | 6.88 | 8.99 | 6.82 | 6.41 | 4.02 | 5.71 | 4.48 | 4.64 | 6.70 | 8.17 | 8.44 | 6.70 |
| 13 | 6.96 | 9.05 | 6.47 | 6.47 | 4.21 | 5.42 | 4.57 | 4.78 | 6.76 | 7.95 | 8.54 | 6.84 |
| 14 | 7.03 | 9.11 | 6.11 | 6.54 | 4.39 | 5.11 | 4.67 | 4.86 | 6.82 | 7.54 | 8.65 | 6.97 |
| 15 | 7.11 | 9.17 | 5.80 | 6.61 | 4.55 | 4.95 | 4.75 | 4.95 | 6.89 | 7.22 | 8.75 | 7.04 |
| 16 | 7.19 | 9.23 | 5.64 | 6.70 | 4.69 | 4.86 | 4.83 | 5.06 | 6.97 | 7.04 | 8.85 | 7.07 |
| 17 | 7.27 | 9.29 | 5.54 | 6.78 | 4.80 | 4.67 | 4.91 | 5.16 | 7.05 | 6.94 | 8.81 | 7.14 |
| 18 | 7.34 | 9.35 | 5.28 | 6.84 | 4.93 | 4.56 | 4.99 | 5.20 | 7.12 | 6.91 | 8.53 | 7.21 |
| 19 | 7.41 | 9.41 | 5.05 | 6.77 | 5.05 | 4.52 | 5.07 | 5.18 | 7.20 | 6.92 | 8.31 | 7.27 |
| 20 | 7.48 | 9.47 | 4.96 | 5.45 | 5.15 | 4.53 | 5.15 | 5.18 | 7.28 | 6.95 | 8.20 | 7.33 |
| 21 | 7.55 | 9.53 | 4.95 | 4.21 | 5.23 | 4.39 | 5.23 | 5.22 | 7.33 | 7.01 | 8.16 | 6.99 |
| 22 | 7.62 | 9.59 | 5.01 | 3.42 | 5.31 | 4.25 | 5.32 | 5.29 | 7.38 | 7.07 | 8.19 | 5.28 |
| 23 | 7.69 | 9.65 | 5.09 | 2.96 | 5.40 | 4.23 | 5.42 | 5.37 | 7.43 | 7.15 | 8.24 | 4.10 |
| 24 | 7.76 | 9.71 | 5.05 | 2.42 | 5.49 | 4.31 | 5.52 | 5.47 | 7.48 | 7.23 | 8.32 | 3.85 |
| 25 | 7.83 | 9.63 | 4.97 | 2.03 | 5.58 | 4.43 | 5.61 | 5.56 | 7.53 | 7.18 | 8.42 | 3.98 |
| 26 | 7.90 | 9.16 | 4.95 | 1.89 | 5.65 | 4.54 | 5.68 | 5.66 | 7.57 | 7.08 | 8.53 | 3.79 |
| 27 | 7.96 | 8.75 | 4.96 | 1.91 | 5.72 | 4.44 | 5.75 | 5.76 | 7.60 | 7.02 | 8.44 | 3.35 |
| 28 | 8.04 | 8.46 | 5.01 | 2.05 | 5.81 | 4.33 | 5.82 | 5.85 | 7.60 | 7.00 | 8.18 | 3.20 |
| 29 | 8.11 | 8.29 | 5.08 | 2.36 | --- | 4.31 | 5.89 | 5.96 | 7.58 | 7.02 | 7.72 | 3.38 |
| 30 | 8.18 | 8.13 | 5.17 | 2.77 | --- | 4.17 | 5.96 | 6.05 | 7.59 | 7.07 | 7.29 | 3.72 |
| 31 | 8.24 | --- | 5.26 | 3.20 | --- | 3.49 | --- | 6.14 | --- | 7.13 | 6.81 | --- |

WTR YR 2002 MEAN 6.25 HIGH 1.89 LOW 9.71

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