

GROUND-WATER LEVELS

HAYWOOD COUNTY

352315082484401. Local number, NC-40; County name, HW-047.

LOCATION.--Lat 35°23'15", long 82°48'44", Hydrologic Unit 06010106, 2 mi south of Cruso on U.S. Highway 276 at Camp Hope. Owner: Blue Ridge Paper Products, Inc.

AQUIFER.--Unconfined saprolite derived from muscovite-biotite gneiss of Precambrian age.

WELL CHARACTERISTICS.--Dug observation well, depth 18.5 ft, diameter 12 in., cased to 18.5 ft, open end, backfilled with gravel from 4 to 18.5 ft.

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

DATUM.--Land-surface datum is 3,148.26 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

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

PERIOD OF RECORD.--December 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.24 ft below land-surface datum, Mar. 12, 1977; lowest water level recorded, 6.90 ft below land-surface datum, Oct. 7, 8, 9, 1986.

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 | 6.43 | 6.68 | 6.15 | 6.53 | 6.23 | 5.93 | 5.12 | 5.45 | 5.71 | 6.02 | 6.17 | 6.57 |
| 2 | 6.45 | 6.68 | 6.23 | 6.55 | 6.25 | 6.00 | 5.18 | 5.45 | 5.70 | 6.05 | 6.24 | 6.56 |
| 3 | 6.47 | 6.69 | 6.30 | 6.57 | 6.29 | 6.05 | 5.21 | 5.46 | 5.72 | 6.07 | 6.28 | 6.54 |
| 4 | 6.49 | 6.69 | 6.35 | 6.58 | 6.33 | 6.09 | 5.20 | 5.47 | 5.75 | 6.08 | 6.30 | 6.50 |
| 5 | 6.51 | 6.70 | 6.39 | 6.59 | 6.35 | 6.12 | 5.22 | 5.47 | 5.77 | 6.10 | 6.31 | 6.46 |
| 6 | 6.53 | 6.71 | 6.43 | 6.60 | 6.38 | 6.13 | 5.23 | 5.48 | 5.78 | 6.12 | 6.34 | 6.49 |
| 7 | 6.54 | 6.71 | 6.47 | 6.62 | 6.40 | 6.15 | 5.25 | 5.50 | 5.77 | 6.13 | 6.37 | 6.54 |
| 8 | 6.55 | 6.71 | 6.51 | 6.63 | 6.42 | 6.16 | 5.26 | 5.50 | 5.78 | 6.14 | 6.39 | 6.60 |
| 9 | 6.57 | 6.26 | 6.53 | 6.64 | 6.43 | 6.17 | 5.27 | 5.51 | 5.79 | 6.14 | 6.40 | 6.63 |
| 10 | 6.57 | 5.67 | 6.54 | 6.65 | 6.45 | 6.18 | 5.30 | 5.52 | 5.80 | 6.16 | 6.40 | 6.63 |
| 11 | 6.58 | 5.80 | 6.56 | 6.66 | 6.46 | 6.19 | 5.32 | 5.53 | 5.81 | 6.19 | 6.39 | 6.63 |
| 12 | 6.58 | 5.89 | 6.57 | 6.67 | 6.47 | 6.18 | 5.34 | 5.54 | 5.83 | 6.21 | 6.41 | 6.65 |
| 13 | 6.59 | 5.99 | 6.58 | 6.67 | 6.47 | 6.09 | 5.34 | 5.56 | 5.85 | 6.22 | 6.41 | 6.67 |
| 14 | 6.60 | 6.10 | 6.47 | 6.67 | 6.46 | 6.05 | 5.34 | 5.57 | 5.87 | 6.25 | 6.42 | 6.69 |
| 15 | 6.61 | 6.19 | 6.34 | 6.67 | 6.44 | 5.81 | 5.35 | 5.59 | 5.88 | 6.27 | 6.45 | 6.70 |
| 16 | 6.62 | 6.27 | 6.10 | 6.68 | 6.41 | 5.64 | 5.36 | 5.60 | 5.90 | 6.28 | 6.48 | 6.72 |
| 17 | 6.63 | 6.33 | 5.02 | 6.68 | 6.27 | 5.72 | 5.38 | 5.62 | 5.93 | 6.29 | 6.50 | 6.73 |
| 18 | 6.63 | 6.37 | 5.35 | 6.68 | 6.17 | 5.79 | 5.41 | 5.64 | 5.95 | 6.31 | 6.51 | 6.75 |
| 19 | 6.64 | 6.41 | 5.52 | 5.94 | 6.16 | 5.86 | 5.42 | 5.65 | 5.97 | 6.29 | 6.54 | 6.75 |
| 20 | 6.64 | 6.44 | 5.68 | 5.37 | 6.20 | 5.90 | 5.43 | 5.64 | 5.98 | 6.13 | 6.55 | 6.73 |
| 21 | 6.64 | 6.47 | 5.81 | 5.53 | 6.24 | 5.92 | 5.43 | 5.65 | 5.97 | 6.12 | 6.57 | 6.74 |
| 22 | 6.65 | 6.50 | 5.94 | 5.68 | 6.25 | 5.83 | 5.43 | 5.67 | 5.97 | 6.17 | 6.59 | 6.76 |
| 23 | 6.65 | 6.52 | 6.05 | 5.82 | 6.19 | 5.63 | 5.42 | 5.67 | 5.97 | 6.23 | 6.61 | 6.76 |
| 24 | 6.65 | 6.54 | 6.15 | 5.94 | 6.17 | 5.46 | 5.42 | 5.69 | 6.00 | 6.26 | 6.62 | 6.69 |
| 25 | 6.65 | 6.03 | 6.23 | 6.05 | 5.85 | 5.42 | 5.43 | 5.67 | 6.01 | 6.22 | 6.63 | 6.55 |
| 26 | 6.65 | 5.67 | 6.31 | 6.14 | 5.65 | 5.51 | 5.43 | 5.65 | 5.98 | 6.19 | 6.64 | 6.52 |
| 27 | 6.65 | 5.76 | 6.36 | 6.22 | 5.75 | 5.61 | 5.43 | 5.67 | 5.94 | 6.21 | 6.65 | 6.54 |
| 28 | 6.66 | 5.85 | 6.40 | 6.29 | 5.85 | 5.67 | 5.43 | 5.68 | 5.96 | 6.22 | 6.65 | 6.58 |
| 29 | 6.66 | 5.94 | 6.43 | 6.34 | --- | 5.45 | 5.45 | 5.69 | 5.99 | 6.19 | 6.66 | 6.62 |
| 30 | 6.67 | 6.05 | 6.47 | 6.30 | --- | 4.91 | 5.45 | 5.71 | 6.00 | 6.09 | 6.63 | 6.66 |
| 31 | 6.67 | --- | 6.50 | 6.24 | --- | 5.07 | --- | 5.72 | --- | 6.11 | 6.60 | --- |

WTR YR 2001 MEAN 6.14 HIGH 4.91 LOW 6.76

HAYWOOD COUNTY--Continued

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