

BLAIR COUNTY

402452078271301. Local number, BA 74.

LOCATION--Lat 40°24'52", long 78°27'13", Hydrologic Unit 02050302, at Allegheny Portage Railroad National Historic Site, and southwest of Duncansville.

Owner: U.S. Geological Survey.

AQUIFER--Brallier Formation, Late Devonian age.

WELL CHARACTERISTICS--Drilled observation well, diameter 6 in., depth 150 ft, cased to 14 ft, open hole.

INSTRUMENTATION--Continuous strip-chart recorder; electronic data logger with 60-minute recording interval since June 1999.

DATUM--Elevation of land surface is 1,130 ft above sea level, from topographic map. Measuring point: Top of casing, 1.8 ft above land-surface datum; 3.1 ft above land-surface datum since June 10, 1999.

REMARKS--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since June 1999, are also available from the District Office.

PERIOD OF RECORD--August 1969 to current year.

EXTREMES FOR PERIOD OF RECORD--The extremes shown are extremes of the daily maximum depth below land surface for the period of record indicated above.

Highest water level, 9.65 ft below land-surface datum, May 11, 1989; lowest, 18.65 ft below land-surface datum, Oct. 29, 30, 1969.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MAXIMUM VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 17.09 | 17.21 | 17.80 | 18.10 | 15.45 | 14.56 | 13.56 | 13.22 | 14.80 | 15.29 | 16.54 | 15.81 |
| 2 | 17.14 | 17.23 | 17.79 | 18.10 | 15.10 | 14.64 | 13.62 | 13.28 | 14.80 | 15.33 | 16.66 | 15.76 |
| 3 | 17.19 | 17.23 | 17.70 | 17.87 | 14.88 | 14.64 | 13.66 | 13.34 | 14.73 | 15.45 | 16.72 | 15.79 |
| 4 | 17.18 | 17.30 | 17.75 | 18.00 | 14.85 | 14.35 | 13.59 | 13.39 | 14.76 | 15.49 | 16.72 | 15.85 |
| 5 | 17.11 | 17.31 | 17.75 | 18.04 | 14.88 | 14.47 | 13.53 | 13.48 | 14.76 | 15.49 | 16.64 | 15.86 |
| 6 | 17.12 | 17.43 | 17.71 | 18.04 | 14.69 | 14.40 | 13.43 | 13.59 | 14.78 | 15.49 | 16.73 | 15.84 |
| 7 | 17.10 | 17.49 | 17.82 | 18.13 | 14.58 | 14.39 | 13.23 | 13.68 | 14.77 | 15.54 | 16.82 | 15.75 |
| 8 | 16.99 | 17.50 | 17.83 | 18.13 | 14.58 | 14.40 | 13.16 | 13.76 | 14.75 | 15.61 | 16.76 | 15.60 |
| 9 | 16.89 | 17.48 | 17.92 | 17.98 | 14.57 | 14.31 | 13.06 | 13.92 | 14.87 | 15.66 | 16.85 | 15.48 |
| 10 | 16.75 | 17.48 | 17.92 | 17.99 | 14.59 | 13.99 | 12.90 | 14.00 | 15.01 | 15.67 | 16.87 | 15.41 |
| 11 | 16.71 | 17.45 | 17.90 | 17.99 | 14.54 | 14.06 | 12.90 | 14.09 | 15.09 | 15.84 | 16.89 | 15.52 |
| 12 | 16.71 | 17.50 | 17.90 | 17.92 | 14.34 | 14.18 | 12.78 | 14.07 | 15.14 | 15.90 | 16.99 | 15.66 |
| 13 | 16.64 | 17.41 | 17.80 | 17.99 | 14.52 | 14.21 | 12.79 | 14.13 | 15.14 | 15.91 | 16.96 | 15.66 |
| 14 | 16.64 | 17.30 | 17.94 | 17.97 | 14.58 | 14.20 | 12.79 | 14.29 | 15.05 | 16.00 | 16.89 | 15.66 |
| 15 | 16.80 | 17.32 | 17.92 | 17.65 | 14.54 | 14.05 | 12.81 | 14.39 | 15.19 | 16.01 | 16.81 | 15.72 |
| 16 | 16.85 | 17.33 | 17.80 | 17.66 | 14.45 | 14.07 | 12.75 | 14.44 | 15.28 | 16.04 | 16.86 | 15.72 |
| 17 | 16.83 | 17.50 | 17.86 | 17.70 | 14.38 | 13.98 | 12.87 | 14.45 | 15.23 | 16.04 | 16.84 | 15.58 |
| 18 | 16.75 | 17.56 | 18.00 | 17.58 | 14.42 | 13.78 | 12.98 | 14.44 | 15.23 | 16.06 | 16.72 | 15.57 |
| 19 | 16.80 | 17.52 | 18.02 | 17.48 | 14.43 | 13.73 | 13.02 | 14.48 | 15.22 | 16.06 | 16.78 | 15.49 |
| 20 | 16.84 | 17.43 | 18.04 | 17.47 | 14.51 | 13.72 | 12.98 | 14.59 | 15.18 | 16.12 | 16.78 | 15.42 |
| 21 | 16.88 | 17.63 | 18.01 | 17.37 | 14.64 | 13.55 | 12.96 | 14.62 | 15.15 | 16.18 | 16.81 | 15.34 |
| 22 | 17.00 | 17.63 | 18.07 | 17.25 | 14.78 | 13.27 | --- | 14.61 | 15.13 | 16.17 | 16.86 | 15.34 |
| 23 | 17.03 | 17.59 | 18.03 | 17.12 | --- | 13.32 | 12.67 | 14.57 | 15.15 | 16.22 | 16.89 | 15.32 |
| 24 | 17.03 | 17.58 | 17.89 | 16.78 | --- | 13.26 | 12.73 | 14.45 | 15.15 | 16.20 | 16.85 | 15.32 |
| 25 | 17.02 | 17.60 | 17.84 | --- | 14.79 | 13.33 | 12.72 | 14.39 | 15.16 | 16.23 | 16.71 | 15.44 |
| 26 | 17.07 | 17.45 | 17.80 | --- | 14.85 | 13.37 | 12.67 | 14.46 | 15.24 | 16.31 | 16.61 | 15.62 |
| 27 | 17.11 | 17.62 | 17.80 | 16.28 | 14.85 | 13.39 | 12.81 | 14.52 | 15.29 | 16.41 | 16.28 | 15.68 |
| 28 | 17.07 | 17.64 | 17.77 | 15.88 | 14.78 | 13.35 | 12.94 | 14.59 | 15.23 | 16.46 | 16.08 | 15.70 |
| 29 | 17.09 | 17.68 | 17.75 | 15.78 | --- | 13.50 | 13.04 | 14.71 | 15.15 | 16.43 | 15.90 | 15.66 |
| 30 | 17.10 | 17.68 | 17.89 | 15.72 | --- | 13.63 | 13.15 | 14.79 | 15.29 | 16.43 | 15.83 | 15.51 |
| 31 | 17.20 | --- | 17.89 | 15.63 | --- | 13.63 | --- | 14.77 | --- | 16.52 | 15.83 | --- |
| MEAN | 16.96 | 17.47 | 17.87 | 17.43 | 14.68 | 13.93 | 13.04 | 14.18 | 15.06 | 15.95 | 16.66 | 15.60 |
| MAX | 17.20 | 17.68 | 18.07 | 18.13 | 15.45 | 14.64 | 13.66 | 14.79 | 15.29 | 16.52 | 16.99 | 15.86 |
| MIN | 16.64 | 17.21 | 17.70 | 15.63 | 14.34 | 13.26 | 12.67 | 13.22 | 14.73 | 15.29 | 15.83 | 15.32 |

WTR YR 1999: HIGHEST 12.67, APRIL 23, 26; LOWEST 18.13, JANUARY 7, 8.

