

MERCER COUNTY

412350080223701. Local number, MR 1364.

LOCATION.--Lat 41°23'50", long 80°22'37", Hydrologic Unit 05030102, at Greenville.

Owner: Borough of Greenville.

AQUIFER.--Sandstone of Cussewago Formation of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 235 ft, cased to 41 ft, open hole.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Elevation of land-surface datum is 965 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of plywood cover, 2.26 ft above land-surface datum.

REMARKS.--Water levels after Sept. 25, 1998 affected by Pymatuning earthquake (magnitude 5.2). Water levels affected by intermittent pumping.

PERIOD OF RECORD.--March 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 0.25 ft below land-surface datum, Apr. 17, 1998; lowest, 8.31 ft below land-surface datum, Feb. 12, 1967.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.02 ft below land-surface datum, May 13; lowest, 4.24 ft below land-surface datum, Nov. 10.

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

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | --- | --- | 3.16 | --- | 3.02 | 2.93 | --- | 2.42 | 2.98 | 3.21 | 2.39 | 3.40 |
| 2 | --- | 3.95 | --- | --- | 2.80 | 2.98 | 2.38 | 2.29 | 3.02 | 3.13 | 2.31 | 3.44 |
| 3 | --- | 3.71 | --- | --- | 2.95 | 2.85 | 2.65 | 2.00 | 2.76 | --- | 3.02 | 3.35 |
| 4 | --- | 3.54 | 3.27 | --- | --- | 3.26 | 2.31 | 2.11 | 2.76 | --- | 3.00 | 3.42 |
| 5 | --- | 3.75 | 3.37 | --- | --- | 2.80 | 2.35 | 2.95 | 2.48 | --- | 3.18 | 3.33 |
| 6 | --- | 3.59 | 3.36 | --- | --- | 2.88 | 2.35 | 2.67 | 2.60 | --- | 3.01 | 3.80 |
| 7 | --- | 3.56 | 3.02 | --- | --- | 2.95 | 2.46 | 2.67 | 2.98 | --- | 3.07 | 3.64 |
| 8 | --- | 3.78 | 3.06 | --- | --- | 2.99 | 2.60 | 2.71 | 2.67 | --- | 2.45 | 3.15 |
| 9 | --- | 3.81 | 3.22 | --- | --- | 2.90 | 2.61 | 2.72 | 2.77 | --- | 2.40 | 3.02 |
| 10 | --- | 4.20 | 3.29 | --- | --- | 3.51 | 2.31 | 2.81 | 2.76 | --- | 2.50 | 2.75 |
| 11 | --- | 3.76 | 3.36 | --- | --- | 3.37 | 2.38 | 2.90 | 2.65 | 1.74 | 2.42 | 2.80 |
| 12 | --- | 3.99 | 3.21 | --- | --- | 3.03 | 2.54 | 2.50 | 2.70 | 1.70 | 2.41 | 3.30 |
| 13 | --- | 3.90 | 3.21 | --- | --- | 2.92 | 2.49 | 1.40 | 3.15 | 1.68 | 2.79 | 2.91 |
| 14 | --- | 3.95 | 3.19 | --- | --- | 3.06 | 2.81 | 2.00 | 2.68 | 2.25 | 2.73 | 3.09 |
| 15 | --- | 3.83 | 3.03 | --- | --- | 3.00 | 2.75 | 1.96 | 2.36 | 2.17 | 2.60 | 3.03 |
| 16 | --- | 3.80 | 2.83 | --- | --- | 3.37 | 2.45 | 1.79 | 2.39 | 2.11 | 2.75 | 2.92 |
| 17 | --- | 3.86 | 2.77 | --- | --- | 3.04 | 2.46 | 1.93 | 2.48 | 2.10 | 3.05 | 3.00 |
| 18 | --- | 3.56 | 2.98 | --- | --- | 3.00 | 2.33 | 2.12 | 2.63 | 2.03 | 3.05 | 3.40 |
| 19 | --- | 3.54 | 2.50 | --- | --- | 3.15 | 2.65 | 2.30 | 2.88 | 2.10 | 3.33 | 3.08 |
| 20 | --- | 3.86 | 2.82 | --- | --- | 2.98 | 2.51 | 2.70 | 2.62 | 2.50 | 3.02 | 3.04 |
| 21 | 3.95 | 3.67 | 2.94 | --- | --- | 3.00 | 2.90 | 2.51 | 3.31 | 2.30 | 3.08 | 3.27 |
| 22 | 3.99 | 3.21 | --- | --- | --- | 3.19 | 2.94 | 2.51 | 3.04 | 2.00 | 3.00 | 3.32 |
| 23 | 3.67 | 3.42 | --- | --- | --- | 2.71 | 2.79 | 2.53 | 2.90 | 2.00 | 3.03 | 3.50 |
| 24 | 3.37 | 3.25 | --- | 2.43 | --- | 2.71 | 2.78 | 2.54 | 3.48 | 1.80 | 2.88 | 3.20 |
| 25 | 3.25 | 3.20 | --- | 2.73 | 2.91 | 2.99 | 2.69 | 2.79 | 3.15 | 1.81 | 3.24 | 3.04 |
| 26 | 3.29 | 3.21 | --- | 2.40 | 3.03 | 2.45 | 3.02 | 3.16 | 3.14 | 2.12 | 2.99 | 3.02 |
| 27 | 3.49 | 3.42 | --- | 2.51 | 3.00 | 2.32 | 2.90 | 2.85 | 3.76 | 1.87 | 3.20 | 3.02 |
| 28 | 4.07 | 3.14 | --- | 2.68 | 2.90 | 2.20 | 2.40 | 2.83 | 3.20 | 1.90 | 3.28 | 2.87 |
| 29 | 4.00 | 3.05 | --- | 3.00 | --- | 2.01 | 2.60 | 2.65 | 3.31 | 1.70 | 3.23 | 3.38 |
| 30 | --- | 3.11 | --- | 2.90 | --- | --- | 2.41 | 2.32 | 3.31 | 1.91 | 3.30 | 2.90 |
| 31 | --- | --- | --- | 3.23 | --- | --- | --- | 2.60 | --- | 1.93 | 3.78 | --- |
| MEAN | 3.68 | 3.61 | 3.08 | 2.73 | 2.94 | 2.92 | 2.58 | 2.46 | 2.90 | 2.09 | 2.92 | 3.18 |
| MAX | 4.07 | 4.20 | 3.37 | 3.23 | 3.03 | 3.51 | 3.02 | 3.16 | 3.76 | 3.21 | 3.78 | 3.80 |
| MIN | 3.25 | 3.05 | 2.50 | 2.40 | 2.80 | 2.01 | 2.31 | 1.40 | 2.36 | 1.68 | 2.31 | 2.75 |

