

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

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 | 1.32 | 1.80 | --- | 3.75 | 2.15 | 2.04 | 2.27 | 2.04 | 2.97 | 3.12 | 3.50 | 3.38 |
| 2 | 1.41 | 1.52 | --- | --- | 1.46 | 2.04 | 2.46 | 2.54 | 2.70 | 3.43 | 3.32 | 3.43 |
| 3 | 1.41 | 1.31 | 1.86 | --- | 1.45 | 2.02 | 2.75 | 2.65 | 2.74 | 3.12 | 3.43 | 3.31 |
| 4 | 1.44 | 1.36 | 1.78 | --- | 1.66 | 2.00 | 2.49 | 2.20 | 2.95 | 3.17 | 3.11 | 3.29 |
| 5 | 1.51 | 1.60 | 1.30 | --- | 1.68 | 1.96 | 2.68 | 2.09 | 3.20 | 3.48 | 3.30 | 3.60 |
| 6 | 1.51 | 1.59 | 1.75 | --- | 1.72 | 2.05 | 2.32 | 2.11 | 3.02 | 3.45 | 3.14 | 3.63 |
| 7 | 1.20 | 1.90 | 1.96 | --- | 2.10 | 2.43 | 2.45 | 1.97 | 3.08 | 3.40 | 3.52 | 3.36 |
| 8 | .91 | 1.72 | 2.02 | 2.26 | 2.12 | 2.46 | 2.16 | 2.23 | 3.48 | 3.38 | 3.52 | 3.26 |
| 9 | .90 | 1.79 | 1.92 | 2.50 | 1.81 | 2.02 | 2.01 | 2.31 | 3.30 | 3.03 | 3.55 | 3.21 |
| 10 | 1.15 | 1.45 | 1.91 | 2.68 | 1.97 | 1.88 | 2.15 | 2.40 | 3.02 | 3.03 | 4.40 | 1.94 |
| 11 | 1.31 | 1.52 | 1.82 | 2.85 | 1.83 | 1.90 | 2.20 | 2.45 | 2.90 | 3.30 | 3.75 | 2.00 |
| 12 | 1.26 | 1.58 | 1.88 | 2.62 | 1.94 | 2.10 | 2.10 | 2.28 | 3.02 | 3.32 | 3.25 | 1.94 |
| 13 | .94 | 1.59 | 2.22 | 2.77 | 2.46 | 2.30 | 2.19 | 2.45 | 3.10 | 3.11 | 3.25 | 2.00 |
| 14 | 1.10 | 1.45 | 2.33 | 2.52 | 2.11 | 2.26 | 2.29 | 2.65 | 3.08 | 3.50 | 3.25 | 1.70 |
| 15 | 1.03 | 1.85 | 1.93 | 2.60 | 1.86 | 2.30 | 1.71 | 2.38 | 2.84 | 3.33 | 3.43 | 1.54 |
| 16 | 1.13 | 1.93 | 2.00 | 2.68 | 2.04 | 2.06 | 1.75 | 2.48 | 3.01 | 3.20 | 3.38 | 1.60 |
| 17 | 1.27 | 1.74 | 1.82 | 2.70 | 2.00 | 2.07 | 1.81 | 2.42 | 3.02 | 3.06 | 3.20 | 2.50 |
| 18 | 1.30 | 1.75 | 2.23 | 2.30 | 1.97 | 2.16 | 2.18 | 2.60 | 2.97 | 3.10 | 3.12 | 2.50 |
| 19 | 1.35 | 1.65 | 2.48 | 2.30 | 1.97 | 2.18 | 2.17 | 2.50 | 3.30 | 3.53 | 3.01 | 1.80 |
| 20 | 1.09 | 1.67 | 2.57 | 2.20 | 2.17 | 2.19 | 1.80 | 2.74 | 3.00 | 3.19 | 3.12 | 1.96 |
| 21 | 1.12 | 2.02 | 2.65 | 2.23 | 2.28 | 2.46 | 1.85 | 2.63 | 3.25 | 3.00 | 3.31 | 1.88 |
| 22 | 1.36 | --- | 2.28 | 2.41 | 2.50 | 2.29 | 1.70 | 2.72 | 3.07 | 3.20 | 3.52 | 1.56 |
| 23 | 1.15 | --- | 2.38 | 1.88 | 2.14 | 2.27 | 1.56 | 3.00 | 3.37 | 3.18 | --- | 1.45 |
| 24 | 1.28 | --- | 2.31 | 2.02 | 2.14 | 2.16 | 1.84 | 2.97 | 3.05 | 3.32 | --- | 1.59 |
| 25 | 1.26 | --- | 2.25 | 1.86 | 2.20 | 2.30 | 2.15 | 2.46 | 3.10 | 3.59 | --- | 2.26 |
| 26 | 1.49 | --- | 2.60 | 1.84 | 2.39 | 2.51 | 2.20 | 2.46 | 3.27 | 3.70 | 3.21 | 2.00 |
| 27 | 1.29 | --- | 3.14 | 1.86 | 2.20 | 2.60 | 2.15 | 2.69 | 3.32 | 3.40 | 3.27 | 1.76 |
| 28 | 1.26 | --- | 2.48 | 1.87 | 2.19 | 2.71 | 2.26 | 2.70 | 3.23 | 3.27 | 3.43 | 1.83 |
| 29 | 1.50 | --- | 2.74 | 2.18 | --- | 2.61 | 2.00 | 2.88 | 3.05 | 3.02 | 3.65 | 1.65 |
| 30 | 1.30 | --- | 2.52 | 2.02 | --- | 2.44 | 2.24 | 2.73 | 3.23 | 3.08 | 3.59 | 1.57 |
| 31 | 1.35 | --- | 3.75 | 2.38 | --- | 2.38 | --- | 3.08 | --- | 3.33 | 3.47 | --- |
| MEAN | 1.25 | 1.66 | 2.24 | 2.37 | 2.02 | 2.23 | 2.13 | 2.51 | 3.09 | 3.27 | 3.39 | 2.32 |
| MAX | 1.51 | 2.02 | 3.75 | 3.75 | 2.50 | 2.71 | 2.75 | 3.08 | 3.48 | 3.70 | 4.40 | 3.63 |
| MIN | .90 | 1.31 | 1.30 | 1.84 | 1.45 | 1.88 | 1.56 | 1.97 | 2.70 | 3.00 | 3.01 | 1.45 |

WTR YR 1999: HIGHEST 0.90, OCTOBER 9; LOWEST 4.40, AUGUST 10.

