

MONTGOMERY COUNTY

401415075175101. Local number, MG 68.

LOCATION--Lat 40°14'15", long 75°17'49", Hydrologic Unit 02040203, on Towamencin Street southwest from Whites Road, Upper Gwynedd Township.

Owner: North Penn Water Authority.

AQUIFER--Shale of Brunswick Group of Triassic Age.

WELL CHARACTERISTICS--Drilled unused public supply well, diameter 14 in., depth 500 ft, cased to 9 ft, open hole.

INSTRUMENTATION--Electronic data logger with 15-minute recording interval.

DATUM--Elevation of land-surface datum is 321.7 ft above sea level, from survey. Measuring point: Top of plywood shelf, 1.0 ft above land-surface datum. Horizontal datum is NAD83.

REMARKS--Water levels not published from Aug. 1996 to Sept. 1997 are available from the District Office. In addition to the daily mean water-level table shown below, daily maximum and minimum water levels are also available from the District Office.

PERIOD OF RECORD--August 1996 to current year.

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

Highest water level, 36.74 ft below land-surface datum, Nov. 26, 1996; lowest, 54.84 ft below below land-surface datum, Jan. 1, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|
| 1 | 45.47 | 46.56 | 44.96 | 44.84 | 43.33 | 42.16 | 41.20 | --- | --- | 42.44 | 45.73 | 47.77 |
| 2 | 45.67 | 46.26 | 45.27 | 44.46 | 43.14 | 41.96 | 41.66 | --- | 41.51 | 42.68 | 45.61 | 47.92 |
| 3 | 45.88 | 46.11 | 45.33 | 44.53 | 43.27 | 42.11 | 41.67 | --- | 41.73 | 42.82 | 45.50 | 47.84 |
| 4 | 46.20 | 46.12 | 45.04 | 44.55 | 43.18 | 42.30 | 42.21 | --- | 41.87 | 42.77 | 45.78 | 47.94 |
| 5 | 46.38 | 46.23 | 45.21 | 44.35 | 43.01 | 42.28 | 42.79 | --- | 42.00 | 42.68 | 46.04 | 48.27 |
| 6 | 46.46 | 46.05 | 45.39 | 44.35 | 43.22 | 42.48 | 43.42 | --- | 42.22 | 42.54 | 46.28 | 48.15 |
| 7 | 46.73 | 45.87 | 45.55 | 44.39 | 43.28 | 42.54 | 43.59 | --- | 42.29 | 42.65 | 46.58 | 48.02 |
| 8 | 46.97 | 45.83 | 45.54 | 43.95 | 43.19 | 42.45 | 43.90 | --- | 42.28 | 42.64 | 46.85 | 47.75 |
| 9 | 47.05 | 45.76 | 45.66 | 44.03 | 43.11 | 41.53 | 43.83 | --- | 42.55 | 42.50 | 46.86 | 47.82 |
| 10 | 47.23 | 45.71 | 45.68 | 44.34 | 43.31 | 41.80 | --- | --- | 42.64 | 42.64 | 46.74 | 48.01 |
| 11 | 47.52 | 45.83 | 45.73 | 44.23 | 43.22 | 42.13 | --- | --- | 42.78 | 42.84 | 46.54 | 48.17 |
| 12 | 47.64 | 45.87 | 45.66 | 44.13 | 42.81 | 42.02 | --- | --- | 42.58 | 42.82 | 46.58 | 48.30 |
| 13 | 47.61 | 45.94 | 45.60 | 44.19 | 43.26 | 42.14 | --- | --- | 42.19 | 42.77 | 46.71 | 48.49 |
| 14 | 47.73 | 45.70 | 45.60 | 44.47 | 43.47 | 41.95 | --- | --- | 41.85 | 42.96 | 46.83 | 48.54 |
| 15 | 47.78 | 45.80 | 45.49 | 44.12 | 43.58 | 42.17 | --- | --- | 41.64 | 43.12 | 47.04 | 48.70 |
| 16 | 47.35 | 45.74 | 45.50 | 43.88 | 43.34 | 42.24 | --- | --- | 41.90 | 43.25 | 47.26 | 48.88 |
| 17 | 47.33 | 45.66 | 45.52 | 44.05 | 43.12 | 42.42 | --- | --- | 42.08 | 43.47 | 47.17 | 49.13 |
| 18 | 47.31 | 45.67 | 45.64 | 44.01 | 42.71 | 42.20 | --- | --- | 42.13 | 43.85 | 46.75 | 49.32 |
| 19 | 46.97 | 45.58 | 45.76 | 43.71 | 42.64 | 41.70 | --- | --- | 42.16 | 44.07 | 46.59 | 49.52 |
| 20 | 46.92 | 45.60 | 45.98 | 43.87 | 42.62 | 41.50 | --- | --- | 42.30 | 44.03 | 46.56 | 49.66 |
| 21 | 47.12 | 45.71 | 46.22 | 44.03 | 42.73 | 41.77 | --- | --- | 42.34 | 44.39 | 46.73 | 49.70 |
| 22 | 47.30 | 45.52 | 46.01 | 43.97 | 42.82 | 41.91 | --- | --- | 42.36 | 44.62 | 46.89 | 49.46 |
| 23 | 47.42 | 45.41 | 45.80 | 43.76 | 42.36 | 41.86 | --- | --- | 42.35 | 44.85 | 46.94 | 49.46 |
| 24 | 47.60 | 45.26 | 45.79 | 43.28 | 41.93 | 41.56 | --- | --- | 42.39 | 45.10 | 46.88 | 49.45 |
| 25 | 47.50 | 45.33 | 45.25 | 43.32 | 42.07 | 41.32 | --- | --- | 42.44 | 45.27 | 47.09 | 49.16 |
| 26 | 47.25 | 45.11 | 45.06 | 43.25 | 42.09 | 41.48 | --- | --- | 42.48 | 45.31 | 47.10 | 48.83 |
| 27 | 46.56 | 45.37 | 44.96 | 43.16 | 42.09 | 41.43 | --- | --- | 42.48 | 45.18 | 47.03 | 48.41 |
| 28 | 46.71 | 45.17 | 44.98 | 42.83 | 42.23 | 41.37 | --- | --- | 42.69 | 45.23 | 47.10 | 48.16 |
| 29 | 46.72 | 45.24 | 44.54 | 42.75 | --- | 41.37 | --- | --- | 42.44 | 45.42 | 47.31 | 48.07 |
| 30 | 46.69 | 45.01 | 44.25 | 42.87 | --- | 41.48 | --- | --- | 42.22 | 45.81 | 47.50 | 48.26 |
| 31 | 46.75 | --- | 44.77 | 43.26 | --- | 41.31 | --- | --- | --- | 45.79 | 47.53 | --- |
| MEAN | 46.96 | 45.70 | 45.41 | 43.90 | 42.90 | 41.90 | 42.70 | --- | 42.24 | 43.76 | 46.71 | 48.57 |
| MAX | 47.78 | 46.56 | 46.22 | 44.84 | 43.58 | 42.54 | 43.90 | --- | 42.78 | 45.81 | 47.53 | 49.70 |
| MIN | 45.47 | 45.01 | 44.25 | 42.75 | 41.93 | 41.31 | 41.20 | --- | 41.51 | 42.44 | 45.50 | 47.75 |

WTR YR 1998: HIGHEST 41.20, APRIL 1; LOWEST 49.70, SEPTEMBER 21.

MONTGOMERY COUNTY

401415075175101. Local number, MG 68--Continued

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

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 48.65 | --- | 52.54 | 54.70 | 48.49 | 46.54 | 44.90 | 45.00 | 47.38 | 50.41 | 53.90 | 48.33 |
| 2 | 49.14 | --- | 52.69 | 54.72 | 48.23 | 46.73 | 45.08 | 44.92 | 47.66 | 50.37 | 53.89 | 48.36 |
| 3 | 49.42 | 51.37 | 52.83 | 54.26 | 48.24 | 46.53 | 45.24 | 44.68 | 47.91 | 50.60 | 53.97 | 48.50 |
| 4 | 49.31 | 51.54 | 53.09 | 53.71 | 48.11 | 46.40 | 44.95 | 44.83 | 48.32 | 50.67 | 54.02 | 48.56 |
| 5 | 48.98 | 51.71 | 53.24 | 53.32 | 48.35 | 46.78 | 45.12 | 45.10 | 48.68 | 50.63 | 54.13 | 48.44 |
| 6 | 49.19 | 51.94 | 53.11 | 53.05 | 48.14 | 46.36 | 45.12 | 45.37 | 48.83 | 50.74 | 54.31 | 48.21 |
| 7 | 49.39 | 52.16 | 53.11 | 53.11 | 48.03 | 46.31 | 45.15 | 45.59 | 48.81 | 50.96 | 54.45 | 48.12 |
| 8 | 49.37 | 52.24 | 53.19 | 53.05 | 47.93 | 46.18 | 45.15 | 45.71 | 49.03 | 51.18 | 54.28 | 48.01 |
| 9 | 48.98 | 52.26 | 52.95 | 52.83 | 47.92 | 45.93 | 45.19 | 45.83 | 49.44 | 51.33 | 53.61 | 47.91 |
| 10 | 48.64 | 52.37 | 52.84 | 52.66 | 47.99 | 45.77 | 45.29 | 46.00 | 49.80 | 51.32 | 53.45 | 47.71 |
| 11 | 48.36 | 52.32 | 52.93 | 52.32 | 48.06 | 45.92 | 44.96 | 46.38 | 49.97 | 51.67 | 53.52 | 47.55 |
| 12 | 48.11 | 52.13 | 53.08 | 52.12 | 47.87 | 46.13 | 44.50 | 46.52 | 50.14 | 51.80 | 53.71 | 47.14 |
| 13 | 48.03 | 52.11 | 53.06 | 52.09 | 47.94 | 46.30 | 44.47 | 46.78 | 50.15 | 51.94 | 53.80 | 46.53 |
| 14 | 48.17 | 52.18 | 53.25 | 51.93 | 47.80 | 46.06 | 44.45 | 47.09 | 49.96 | 52.19 | 53.30 | 46.22 |
| 15 | 48.59 | 52.25 | 53.35 | 51.49 | 47.49 | 45.61 | 44.49 | 47.35 | 49.84 | 52.36 | 52.52 | 46.04 |
| 16 | 48.89 | 52.31 | 53.39 | 51.25 | 47.41 | 45.74 | 44.44 | 47.48 | 49.84 | 52.56 | 51.98 | 45.07 |
| 17 | 49.02 | 52.44 | 53.52 | 51.02 | 47.38 | 45.57 | 44.63 | 47.34 | 49.81 | 52.77 | 51.58 | 44.67 |
| 18 | 48.97 | 52.73 | 53.81 | 50.36 | 47.29 | 45.45 | 44.65 | 47.34 | 49.64 | 52.95 | 51.49 | 44.31 |
| 19 | 48.98 | 52.81 | 53.89 | 50.16 | 47.16 | 45.70 | 44.48 | 47.24 | 49.56 | 53.05 | 51.35 | 43.88 |
| 20 | 49.20 | 52.93 | 53.98 | 50.06 | 47.11 | 45.73 | 44.49 | 47.06 | 49.45 | 52.94 | 51.08 | 43.38 |
| 21 | 49.35 | 53.18 | 53.89 | 49.90 | 47.04 | 45.35 | 44.63 | 47.02 | 49.19 | 52.68 | 50.73 | 43.13 |
| 22 | 49.43 | 53.24 | 54.02 | 49.89 | 46.99 | 44.69 | 44.61 | 47.01 | 49.10 | 52.70 | 50.35 | 43.05 |
| 23 | --- | 53.12 | 54.24 | 49.68 | 47.10 | 44.87 | 44.69 | 46.80 | 49.17 | 52.86 | 50.01 | 43.14 |
| 24 | --- | 53.31 | 54.32 | 49.29 | 47.08 | 44.68 | 44.85 | 46.39 | 49.29 | 53.06 | 49.92 | 43.23 |
| 25 | --- | 53.45 | 54.53 | 49.04 | 46.94 | 44.77 | 44.57 | 46.51 | 49.51 | 53.17 | 49.85 | 43.36 |
| 26 | --- | 53.21 | 54.58 | 48.93 | 47.00 | 44.92 | 44.09 | 46.60 | 49.71 | 53.24 | 49.64 | 43.50 |
| 27 | --- | 52.75 | 54.76 | 48.64 | 47.12 | 44.86 | 44.32 | 46.72 | 49.84 | 53.36 | 49.34 | 43.40 |
| 28 | --- | 52.58 | 54.71 | 48.61 | 46.79 | 44.67 | 44.66 | 46.96 | 49.78 | 53.48 | 49.05 | 43.52 |
| 29 | --- | 52.52 | 54.70 | 48.83 | --- | 44.61 | 44.75 | 47.20 | 49.91 | 53.55 | 48.72 | 43.52 |
| 30 | --- | 52.41 | 54.57 | 48.86 | --- | 44.92 | 44.93 | 47.26 | 50.27 | 53.70 | 48.48 | 43.42 |
| 31 | --- | --- | 54.58 | 48.83 | --- | 44.97 | --- | 47.18 | --- | 53.88 | 48.36 | --- |
| MEAN | 48.92 | 52.48 | 53.64 | 51.25 | 47.61 | 45.65 | 44.76 | 46.43 | 49.33 | 52.20 | 51.90 | 45.67 |
| MAX | 49.43 | 53.45 | 54.76 | 54.72 | 48.49 | 46.78 | 45.29 | 47.48 | 50.27 | 53.88 | 54.45 | 48.56 |
| MIN | 48.03 | 51.37 | 52.54 | 48.61 | 46.79 | 44.61 | 44.09 | 44.68 | 47.38 | 50.37 | 48.36 | 43.05 |

WTR YR 1999: HIGHEST 43.05, SEPTEMBER 22; LOWEST 54.76, DECEMBER 27.

