

MONTGOMERY COUNTY

401733075171401. Local number, MG 917.

LOCATION.--Lat 40°17'33", long 75°17'14", Hydrologic Unit 02040201, at North Penn Water Authority at Lansdale.

Owner: North Penn Water Authority.

AQUIFER.--Shale of Brunswick Formation of Late Triassic Age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 500 ft, cased to 40 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 350 ft above sea level, from topographic map. Measuring point: Top of plywood shelf, 3.39 ft above land-surface datum.

REMARKS.--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 1997 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, 7.00 ft below land-surface datum, March 28, 2000; lowest, 12.66 ft below land-surface datum, Aug. 16, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 7.05 ft below land-surface datum, Mar. 22; lowest, 11.21 ft below land-surface datum, Sept. 15.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

| DAY  | OCT   | NOV   | DEC   | JAN   | FEB  | MAR  | APR  | MAY   | JUN  | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|------|------|------|-------|------|-------|-------|-------|
| 1    | 8.67  | 10.21 | 10.67 | 9.52  | 8.39 | 7.77 | 7.44 | 8.59  | 9.00 | 8.74  | 10.53 | 10.40 |
| 2    | 8.50  | 10.29 | 10.79 | 9.73  | 8.25 | 7.66 | 7.61 | 8.65  | 8.68 | 9.06  | 10.46 | 10.63 |
| 3    | 8.49  | 10.33 | 10.80 | 9.73  | 8.42 | 7.89 | 7.80 | 8.82  | 8.56 | 9.20  | 10.28 | 10.64 |
| 4    | 8.65  | 10.27 | 10.58 | 9.58  | 8.47 | 8.12 | 7.98 | 8.85  | 8.71 | 9.03  | 10.24 | 10.56 |
| 5    | 8.77  | 10.35 | 10.25 | 9.39  | 8.05 | 7.84 | 8.05 | 8.93  | 8.73 | 8.91  | 10.42 | 10.70 |
| 6    | 8.68  | 10.53 | 10.33 | 9.42  | 8.00 | 7.75 | 7.81 | 9.35  | 8.71 | 9.11  | 10.45 | 10.83 |
| 7    | 8.97  | 10.63 | 10.16 | 9.67  | 8.22 | 8.17 | 7.90 | 9.53  | 8.64 | 9.25  | 10.35 | 10.80 |
| 8    | 9.12  | 10.68 | 10.29 | 9.70  | 8.29 | 8.32 | 7.87 | 9.47  | 8.65 | 9.07  | 10.30 | 10.84 |
| 9    | 9.14  | 10.60 | 10.64 | 9.81  | 7.85 | 8.10 | 7.58 | 9.36  | 8.71 | 9.06  | 10.30 | 10.93 |
| 10   | 9.07  | 10.38 | 10.63 | 10.00 | 7.60 | 8.13 | 7.74 | 9.33  | 8.81 | 9.08  | 10.31 | 10.91 |
| 11   | 9.21  | 10.73 | 10.42 | 10.03 | 8.11 | 8.17 | 7.91 | 9.33  | 8.85 | 9.12  | 10.47 | 10.97 |
| 12   | 9.42  | 10.86 | 10.31 | 10.18 | 8.15 | 8.31 | 7.63 | 9.32  | 8.91 | 9.37  | 10.49 | 11.05 |
| 13   | 9.43  | 10.83 | 10.99 | 10.29 | 7.89 | 7.67 | 7.39 | 9.57  | 9.08 | 9.51  | 10.32 | 10.99 |
| 14   | 9.41  | 10.62 | 10.57 | 10.20 | 7.64 | 7.71 | 7.49 | 9.69  | 9.32 | 9.54  | 10.15 | 11.07 |
| 15   | 9.43  | 10.68 | 10.72 | 10.00 | 7.56 | 7.88 | 7.41 | 9.60  | 9.38 | 9.69  | 10.14 | 11.12 |
| 16   | 9.59  | 10.70 | 10.27 | 9.87  | 7.73 | 7.82 | 7.40 | 9.70  | 9.32 | 9.85  | 10.12 | 11.04 |
| 17   | 9.76  | 10.51 | 9.28  | 9.81  | 7.71 | 7.80 | 7.45 | 9.87  | 9.06 | 9.91  | 9.98  | 11.01 |
| 18   | 9.66  | 10.77 | 9.36  | 9.62  | 8.11 | 7.89 | 7.57 | 9.87  | 8.96 | 9.97  | 9.95  | 10.96 |
| 19   | 9.72  | 10.75 | 8.99  | 9.15  | 8.07 | 8.07 | 7.93 | 9.83  | 8.84 | 10.10 | 9.88  | 11.03 |
| 20   | 9.91  | 10.58 | 8.97  | 8.90  | 7.88 | 8.10 | 8.07 | 10.08 | 8.68 | 10.14 | 9.89  | 11.01 |
| 21   | 9.83  | 10.61 | 9.21  | 8.86  | 7.95 | 7.65 | 8.07 | 10.17 | 8.62 | 10.08 | 10.01 | 10.95 |
| 22   | 10.09 | 10.70 | 9.01  | 9.09  | 8.22 | 7.13 | 8.03 | 9.93  | 8.50 | 10.07 | 10.13 | 10.90 |
| 23   | 10.24 | 10.90 | 9.32  | 8.76  | 8.12 | 7.24 | 7.99 | 9.89  | 8.46 | 10.12 | 10.10 | 10.90 |
| 24   | 10.07 | 11.01 | 9.12  | 8.43  | 8.53 | 7.41 | 7.86 | 9.90  | 8.64 | 10.10 | 10.14 | 10.70 |
| 25   | 9.98  | 10.97 | 9.26  | 8.51  | 8.16 | 7.68 | 8.22 | 9.96  | 8.77 | 10.12 | 10.32 | 10.56 |
| 26   | 10.00 | 10.43 | 9.23  | 8.64  | 8.05 | 7.76 | 8.33 | 9.84  | 8.88 | 10.21 | 10.28 | 10.64 |
| 27   | 9.86  | ---   | 8.96  | 8.36  | 8.08 | 7.99 | 8.22 | 9.49  | 8.88 | 10.48 | 10.17 | 10.51 |
| 28   | 9.85  | ---   | 8.89  | 8.72  | 7.92 | 8.13 | 8.46 | 9.16  | 8.80 | 10.49 | 10.24 | 10.47 |
| 29   | 10.03 | 10.61 | 9.00  | 8.79  | ---  | 8.17 | 8.82 | 9.03  | 8.81 | 10.38 | 10.40 | 10.54 |
| 30   | 10.06 | 10.47 | 8.82  | 8.26  | ---  | 7.62 | 8.74 | 9.01  | 8.77 | 10.34 | 10.47 | 10.50 |
| 31   | 10.15 | ---   | 9.05  | 8.11  | ---  | 7.56 | ---  | 9.06  | ---  | 10.44 | 10.36 | ---   |
| MEAN | 9.48  | 10.61 | 9.84  | 9.33  | 8.05 | 7.86 | 7.89 | 9.46  | 8.82 | 9.69  | 10.25 | 10.81 |
| MAX  | 10.24 | 11.01 | 10.99 | 10.29 | 8.53 | 8.32 | 8.82 | 10.17 | 9.38 | 10.49 | 10.53 | 11.12 |
| MIN  | 8.49  | 10.21 | 8.82  | 8.11  | 7.56 | 7.13 | 7.39 | 8.59  | 8.46 | 8.74  | 9.88  | 10.40 |

