

BEDFORD COUNTY

400217078281901. Local number, BD 150.

LOCATION.--Lat 40°02'17", long 78°28'19", Hydrologic Unit 02050303, at Bedford.

Owner: U.S. Geological Survey.

AQUIFER.--Onondaga Formation, Middle Devonian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 150 ft, cased to 47 ft, open hole.

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

DATUM.--Elevation of land surface is 1,160 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of instrument shelf, 3.07 ft above land-surface datum. Prior to Oct. 18, 2001, measuring point, top of casing, 3.10 ft above land-surface datum.

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 USGS Pennsylvania Water Science Center.

PERIOD OF RECORD.--July 1965 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, 1.40 ft above land-surface datum, June 9, 2003; lowest, 41.42 ft below land-surface datum, Feb. 12, 13, 1966.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.23 ft above land-surface datum, Apr. 17; lowest, 18.78 ft below land-surface datum, Sept. 8.

DEPTH ABOVE (-) AND BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
MAXIMUM VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|------|-------|------|-------|------|-------|-------|-------|-------|
| 1 | 13.51 | 16.32 | 11.61 | 7.81 | 10.23 | 8.05 | 3.14 | 0.44 | 3.19 | 10.56 | 15.32 | 18.35 |
| 2 | 13.68 | 16.33 | 11.72 | 7.76 | 10.36 | 7.49 | 2.56 | 0.61 | 3.51 | 10.76 | 15.37 | 18.41 |
| 3 | 13.77 | 16.34 | 11.78 | 7.73 | 10.39 | 6.79 | 1.68 | 0.87 | 3.92 | 10.95 | 15.41 | 18.45 |
| 4 | 13.89 | 16.37 | 11.74 | 7.74 | 10.81 | 6.05 | 1.00 | 1.08 | 4.17 | 11.12 | 15.48 | 18.54 |
| 5 | 14.20 | 16.48 | 11.61 | 7.43 | 10.97 | 5.37 | 0.91 | 1.34 | 4.40 | 11.36 | 15.67 | 18.66 |
| 6 | 14.47 | 16.53 | 11.58 | 6.71 | 10.95 | 4.80 | 0.91 | 1.64 | 4.73 | 11.58 | 15.81 | 18.71 |
| 7 | 14.72 | 16.25 | 11.71 | 6.49 | 10.98 | 4.24 | 0.81 | 2.00 | 5.03 | 11.75 | 15.99 | 18.78 |
| 8 | 14.97 | 16.11 | 11.82 | 6.29 | 11.32 | 3.70 | 0.83 | 2.29 | 5.29 | 12.00 | 16.16 | 18.78 |
| 9 | 15.18 | 16.11 | 11.89 | 6.14 | 11.32 | 3.51 | 1.02 | 2.53 | 5.49 | 12.29 | 16.28 | 17.71 |
| 10 | 15.38 | 15.95 | 11.89 | 6.23 | 11.23 | 3.41 | 1.05 | 2.82 | 5.69 | 12.51 | 16.36 | 16.79 |
| 11 | 15.55 | 15.69 | 11.47 | 6.24 | 11.25 | 3.34 | 1.13 | 3.06 | 5.92 | 12.66 | 16.51 | 16.42 |
| 12 | 15.70 | 15.44 | 10.89 | 6.29 | 11.25 | 3.27 | 1.15 | 3.21 | 6.23 | 12.77 | 16.62 | 16.01 |
| 13 | 15.89 | 15.28 | 10.71 | 6.54 | 11.17 | 3.51 | 0.91 | 3.16 | 6.43 | 12.91 | 16.78 | 15.75 |
| 14 | 15.91 | 15.32 | 10.46 | 6.62 | 11.10 | 3.51 | 0.06 | 3.14 | 6.61 | 13.02 | 16.93 | 15.74 |
| 15 | 15.90 | 15.29 | 9.97 | 6.88 | 11.15 | 3.57 | -0.13 | 2.83 | 6.86 | 13.23 | 17.07 | 15.78 |
| 16 | 16.14 | 15.28 | 9.96 | 7.18 | 11.25 | 3.57 | -0.10 | 2.72 | 7.08 | 13.45 | 17.16 | 15.81 |
| 17 | 16.23 | 15.35 | 9.71 | 7.25 | 11.24 | 3.71 | -0.17 | 2.74 | 7.23 | 13.65 | 17.23 | 15.82 |
| 18 | 16.22 | 15.36 | 9.60 | 7.29 | 11.13 | 3.85 | -0.07 | 2.72 | 7.44 | 13.79 | 17.31 | 15.04 |
| 19 | 16.26 | 15.20 | 9.65 | 7.62 | 10.91 | 3.82 | 0.01 | 2.54 | 7.69 | 13.98 | 17.45 | 13.86 |
| 20 | 16.34 | 14.21 | 9.93 | 7.95 | 10.76 | 3.70 | 0.24 | 1.97 | 7.91 | 14.19 | 17.54 | 13.51 |
| 21 | 16.20 | 13.70 | 9.96 | 8.02 | 10.38 | 3.00 | 0.44 | 1.54 | 8.05 | 14.36 | 17.59 | 13.31 |
| 22 | 16.26 | 13.42 | 9.88 | 8.17 | 10.22 | 2.78 | 0.80 | 1.09 | 8.26 | 14.47 | 17.74 | 13.22 |
| 23 | 16.48 | 13.20 | 9.80 | 8.32 | 10.05 | 2.79 | 1.06 | 0.76 | 8.55 | 14.68 | 17.87 | 13.23 |
| 24 | 16.80 | 12.93 | 9.02 | 8.64 | 9.63 | 2.82 | 1.42 | 0.98 | 8.82 | 14.92 | 18.00 | 13.29 |
| 25 | 16.92 | 12.76 | 8.37 | 8.84 | 9.32 | 2.84 | 1.57 | 1.22 | 9.00 | 15.06 | 18.14 | 13.41 |
| 26 | 16.93 | 12.63 | 8.14 | 8.97 | 9.14 | 2.85 | 1.57 | 1.37 | 9.27 | 15.12 | 18.23 | 13.62 |
| 27 | 16.90 | 12.55 | 8.02 | 8.97 | 8.91 | 2.88 | 0.88 | 1.57 | 9.53 | 15.11 | 18.32 | 13.73 |
| 28 | 16.36 | 12.36 | 7.90 | 9.16 | 8.68 | 3.05 | 0.62 | 2.01 | 9.73 | 15.23 | 18.38 | 13.72 |
| 29 | 16.27 | 11.85 | 7.73 | 9.31 | 8.43 | 3.13 | 0.53 | 2.44 | 9.99 | 15.37 | 18.09 | 12.90 |
| 30 | 16.40 | 11.77 | 7.71 | 9.49 | --- | 3.16 | 0.43 | 2.67 | 10.24 | 15.46 | 18.19 | 12.47 |
| 31 | 16.37 | --- | 7.74 | 9.90 | --- | 3.16 | --- | 2.85 | --- | 15.31 | 18.31 | --- |
| MEAN | 15.67 | 14.75 | 10.13 | 7.68 | 10.50 | 3.93 | 0.88 | 2.01 | 6.88 | 13.34 | 17.01 | 15.66 |
| MAX | 16.93 | 16.53 | 11.89 | 9.90 | 11.32 | 8.05 | 3.14 | 3.21 | 10.24 | 15.46 | 18.38 | 18.78 |
| MIN | 13.51 | 11.77 | 7.71 | 6.14 | 8.43 | 2.78 | -0.17 | 0.44 | 3.19 | 10.56 | 15.32 | 12.47 |

