

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK APRIL 1997

| County | Well number | Year record began | Mean depth to water below land surface, in feet | | | | | | Last recorded water level | Date of last recorded water level | Trend from last month | Trend from last year | Departure from mean for all years, in feet |
|---|-------------|-------------------|---|------------|----------------------|---------------------------|---|---|---------------------------|-----------------------------------|-----------------------|----------------------|--|
| | | | This month | Last month | This month last year | This month, for all years | Maximum for this month/year of occurrence | Minimum for this month/year of occurrence | | | | | |
| Observation wells in the Ohio River Basin | | | | | | | | | | | | | |
| Allegheny | AG-700 | 1967 | 5.31 | 5.06 | 5.81 | 5.93 | 7.17/69 | 5.27/88 | 5.57 | 4/27 | DOWN | UP | 0.62 |
| Beaver | BV-156 | 1967 | 8.19 | 7.95 | 8.40 | 8.56 | 9.87/68 | 7.81/94 | 8.11 | 4/21 | DOWN | UP | 0.37 |
| Butler | BT-311 | 1970 | 2.98 | N/D | 3.08 | 5.00 | 12.00/71 | 2.70/94 | 2.90 | 4/20 | N/D | UP | 2.02 |
| Crawford | CW-413 | 1967 | 48.20 | 47.49 | 48.96 | 47.47* | 49.56/95* | 44.97/91* | 48.51 | 4/21 | DOWN | UP | -0.73* |
| Elk | EK-108 | 1975 | 6.23** | 6.72** | 4.24 | 3.64 | 6.23/97** | 2.47/91 | 6.15** | 4/20 | UP | DOWN | -2.59** |
| Erie | ER-82 | 1966 | N/D | 18.56 | 17.46 | 18.49* | 19.54/91* | 17.42/87* | N/D | N/D | N/D | N/D | N/D* |
| Fayette | FA-17 | 1968 | 21.67 | 21.17 | N/D | 22.32 | 23.18/77 | 21.05/89 | 22.14 | 4/21 | DOWN | N/D | 0.65 |
| Forest | FO-11 | 1974 | 7.92 | 7.89 | 8.34 | 8.55 | 9.20/76 | 7.67/94 | 7.88 | 4/25 | DOWN | UP | 0.63 |
| Green | GR-118 | 1973 | 23.86 | 23.34 | 23.46 | 31.84 | 35.55/88 | 23.46/96 | 24.14 | 4/21 | DOWN | DOWN | 7.98 |
| Lawrence | LA-1201 | 1967 | 15.96 | N/D | 16.39 | 15.80 | 19.04/86 | 14.28/78 | 16.25 | 4/27 | N/D | UP | -0.16 |
| Mercer | MR-1364 | 1964 | N/D | 2.88 | 3.17 | 3.83 | 5.06/82 | 2.89/69 | 2.57 | 4/23 | N/D | N/D | N/D |
| Somerset | SO-2 | 1937 | NDR | N/D | 32.60 | 32.86* | 33.49/92* | 32.11/94* | NDR | NDR | N/D | NDR | NDR* |
| Warren | WR-50 | 1972 | 39.83 | 39.63 | 41.48 | 41.30 | 42.40/77 | 39.73/91 | 39.97 | 4/27 | DOWN | UP | 1.47 |
| Washington | WS-155 | 1971 | 35.81 | 35.06 | 35.68 | 35.01 | 35.81/97 | 33.93/74 | 36.03 | 4/21 | DOWN | DOWN | -0.80 |
| Westmoreland | WE-300 | 1968 | 14.62 | 14.64 | 14.55 | 15.72 | 20.32/68 | 14.01/91 | 14.71 | 4/16 | UP | DOWN | 1.10 |
| Observation wells in the Delaware River Basin | | | | | | | | | | | | | |
| Berks | BE-623 | 1975 | 124.00 | 123.32 | 125.21 | 126.13 | 138.30/81 | 110.80/94 | 125.16 | 4/27 | DOWN | UP | 2.13 |
| Bucks | BK-929 | 1967 | 40.71 | 41.07 | 41.09 | 41.61* | 43.30/92* | 39.92/91* | 40.75 | 4/30 | UP | UP | 0.90* |
| Bucks | BK-1020 | 1975 | 27.81 | 28.91 | 26.48 | 29.74 | 35.77/85 | 26.27/83 | 29.20 | 4/27 | UP | DOWN | 1.93 |
| Carbon | CB-104 | 1969 | 38.95 | 39.03 | 34.47 | 37.25 | 50.27/95 | 23.38/93 | 47.58 | 4/27 | UP | DOWN | -1.70 |
| Chester | CH-10 | 1966 | 9.70 | 9.49 | 10.35 | 11.65 | 14.16/66 | 9.57/84 | 10.42 | 4/27 | DOWN | UP | 1.95 |
| Delaware | DE-723 | 1983 | 5.43 | 5.20 | 4.42 | 5.69 | 6.99/95 | 3.87/93 | 5.82 | 4/27 | DOWN | DOWN | 0.26 |
| Lebanon | LB-372 | 1973 | 8.18 | 7.48 | 7.12 | 7.89 | 9.73/81 | 6.33/93 | 8.60 | 4/27 | DOWN | DOWN | -0.29 |
| Lehigh | LE-644 | 1971 | 46.62 | 40.25 | 46.18 | 53.15 | 76.49/81 | 35.85/94 | 48.60 | 4/27 | DOWN | DOWN | 6.53 |
| Monroe | MO-190 | 1968 | 8.51 | 8.65 | 8.23 | 8.69 | 10.29/85 | 7.45/83 | 9.54 | 4/27 | UP | DOWN | 0.18 |
| Montgomery | MG-225 | 1956 | 13.61 | 13.72 | 11.55 | 23.14 | 41.21/66 | 11.55/96 | 14.68 | 4/27 | UP | DOWN | 9.53 |
| Pike | PI-200 | 1981 | 55.48 | 64.36 | 52.16 | 41.99 | 59.73/95 | 28.53/83 | 72.02 | 4/27 | UP | DOWN | -13.49 |
| Schuylkill | SC-296 | 1975 | 44.55 | 44.58 | 42.10 | 42.04 | 49.82/95 | 36.77/84 | 48.21 | 4/27 | UP | DOWN | -2.51 |
| Wayne | WN-64 | 1968 | 22.49 | N/D | 23.16 | 25.06 | 28.41/81 | 21.77/94 | 23.53 | 4/27 | N/D | UP | 2.57 |

N/D indicates no data

NDR indicates no data received at time of report

DOWN = Water level is lower than that reported for last month or year

UP = Water level is higher than that reported for last month or year

Shaded block indicates this month is a recorded maximum or minimum

Year refers to water year, October 1 - September 30.

* Value for well is computed using less than the full period of record because of a change in well hydraulics, or nearby non-climatic hydrologic stress.

** Below normal conditions for well EK-108 are probably due to recent land use changes.

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK

APRIL 1997

| County | Well number | Year record began | Mean depth to water below land surface, in feet | | | | | | Last recorded water level | Date of last recorded water level | Trend from last month | Trend from last year | Departure from mean for all years, in feet |
|--|-------------|-------------------|---|------------|----------------------|---------------------------|---|---|---------------------------|-----------------------------------|-----------------------|----------------------|--|
| | | | This month | Last month | This month last year | This month, for all years | Maximum for this month/year of occurrence | Minimum for this month/year of occurrence | | | | | |
| Observation wells in the Susquehanna River Basin | | | | | | | | | | | | | |
| Adams | AD-146 | 1968 | 11.79 | 11.34 | 11.56 | 11.67 | 12.01/71 | 11.27/73 | 12.07 | 4/27 | DOWN | DOWN | -0.12 |
| Bedford | BD-150 | 1965 | 2.36 | 0.30 | 3.71 | 9.76 | 34.53/66 | 0.33/84 | 6.95 | 4/25 | DOWN | UP | 7.40 |
| Blair | BA-74 | 1969 | N/D | 11.79 | 12.28 | 11.71 | 14.39/71 | 10.22/83 | 13.28 | 4/26 | N/D | N/D | N/D |
| Bradford | BR-92 | 1966 | 7.21 | 7.35 | 4.02 | 5.82 | 9.81/81 | 2.36/93 | 8.84 | 4/27 | UP | DOWN | -1.39 |
| Cameron | CM-13 | 1967 | 22.92 | 22.68 | 23.10 | 22.81 | 23.85/81 | 18.59/93 | 23.21 | 4/27 | DOWN | UP | -0.11 |
| Clinton | CN-1 | 1950 | 47.02 | 47.12 | 46.85 | 47.73 | 49.86/81 | 45.20/94 | 47.71 | 4/27 | UP | DOWN | 0.71 |
| Cumberland | CU-2 | 1951 | 14.90 | 14.34 | 11.79 | 15.09 | 21.63/92 | 9.64/93 | 17.09 | 4/24 | DOWN | DOWN | 0.19 |
| Dauphin | DA-350 | 1964 | 4.58 | 4.23 | 4.07 | 4.30 | 4.92/71 | 3.80/83 | 4.96 | 4/26 | DOWN | DOWN | -0.28 |
| Franklin | FR-332 | 1975 | 16.70 | 15.78 | 21.39 | 24.94 | 29.78/88 | 16.70/97 | 17.20 | 4/27 | DOWN | UP | 8.24 |
| Huntingdon | HU-301 | 1969 | 53.86 | 52.69 | 53.05 | 53.08 | 54.17/86 | 51.55/87 | 54.21 | 4/27 | DOWN | DOWN | -0.78 |
| Juniata | JU-351 | 1968 | 12.87 | 12.50 | 12.27 | 12.83 | 13.34/71 | 11.92/94 | 12.75 | 4/28 | DOWN | DOWN | -0.04 |
| Lancaster | LN-514 | 1964 | 32.91 | 30.67 | 27.08 | 30.23 | 33.22/69 | 22.47/93 | 32.98 | 4/28 | DOWN | DOWN | -2.68 |
| Luzerne | LU-294 | 1994 | 31.91 | 30.71 | 31.33 | 29.92 | 32.84/95 | 27.45/93 | 32.35 | 4/28 | DOWN | DOWN | -1.99 |
| Lycoming | LY-112 | 1967 | 88.84 | 86.76 | 86.69 | 87.20 | 89.23/88 | 85.05/80 | 90.24 | 4/27 | DOWN | DOWN | -1.64 |
| Mifflin | MF-344 | 1983 | N/D | N/D | 47.48 | 46.97 | 57.61/90 | 27.31/93 | 56.29 | 4/22 | N/D | N/D | N/D |
| Potter | PO-72 | 1967 | 16.73 | 13.45 | 14.12 | 15.26 | 19.82/85 | 10.28/93 | 19.31 | 4/27 | DOWN | DOWN | -1.47 |
| Snyder | SN-130 | 1968 | 19.03 | 18.67 | N/D | 18.65 | 19.12/81 | 17.83/93 | 19.16 | 4/29 | DOWN | N/D | -0.38 |
| Sullivan | SU-34 | 1965 | 26.19 | 24.93 | 24.66 | 25.15 | 27.32/88 | 21.52/93 | 27.83 | 4/27 | DOWN | DOWN | -1.04 |
| Susquehanna | SQ-61 | 1972 | 27.34 | 27.29 | 27.87 | 27.18 | 31.58/81 | 24.52/87 | 28.17 | 4/27 | DOWN | UP | -0.16 |
| Tioga | TI-100 | 1972 | 31.67 | 31.55 | 32.09 | 32.28 | 33.79/89 | 31.30/93 | 31.86 | 4/20 | DOWN | UP | 0.61 |
| Union | UN-51 | 1967 | 37.01 | 36.61 | 33.89 | 34.78 | 38.44/81 | 29.52/94 | 38.17 | 4/27 | DOWN | DOWN | -2.23 |

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NOTES:

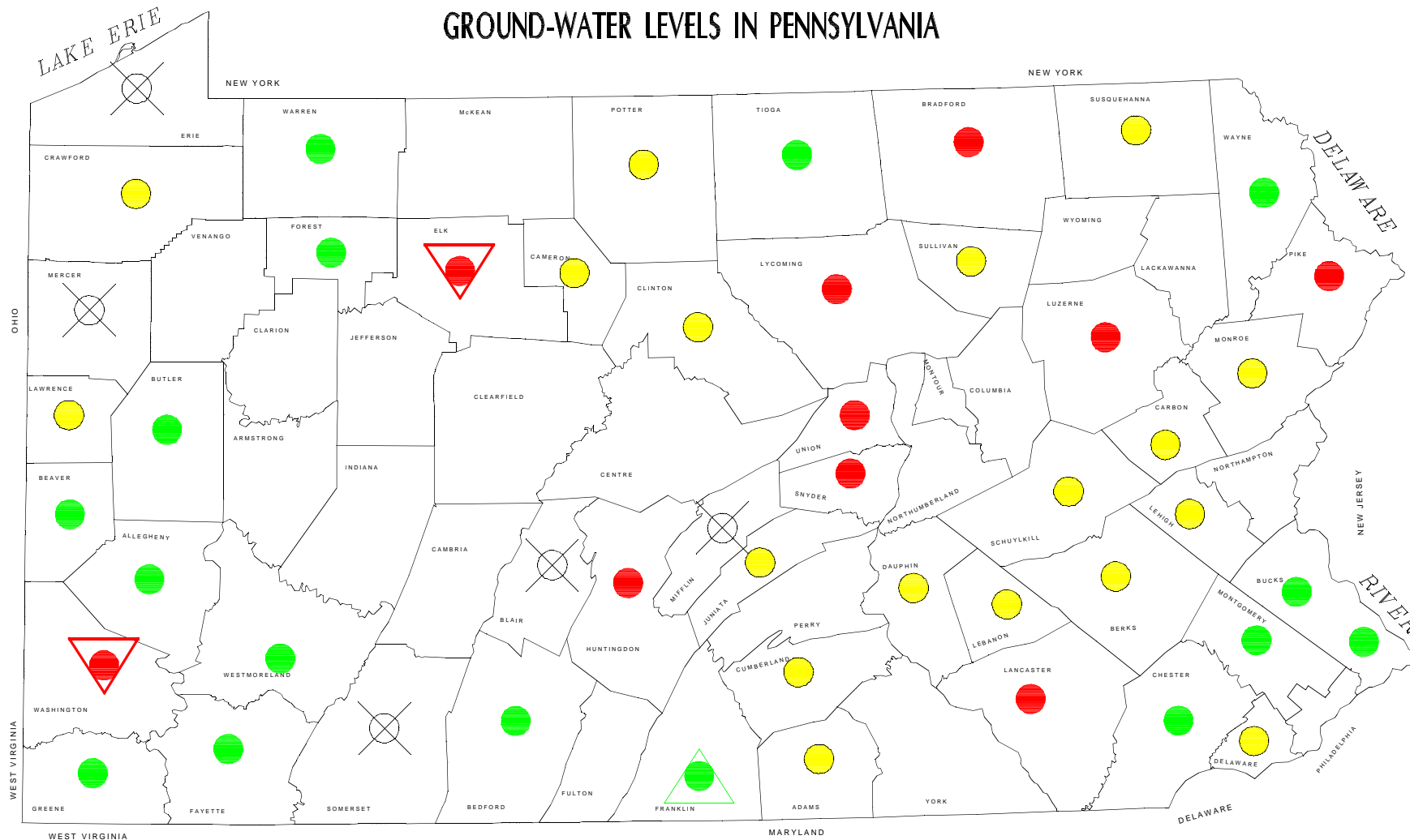
1) Continuous water-level records for wells CE-118 (Centre County) and PH-12 (Philadelphia County) are being collected but are not reported in the monthly summary because they are not used for drought monitoring.

* Estimated values for well LU-294 are based on data from nearby discontinued well LU-243.

Questions concerning the ground-water observation wells can be directed to:

Dennis Risser, Ground-Water Program Coordinator, USGS, Lemoyne, PA (717) 730-6911

GROUND-WATER LEVELS IN PENNSYLVANIA









APRIL 1997

MEAN WATER LEVELS IN OBSERVATION WELLS

Prepared by the Water Resources Division, U.S. Geological Survey,
in cooperation with the Bureau of Watershed Conservation,
Pennsylvania Department of Environmental Protection.

Normal is defined as a water level between the 25th percentile and 75th percentile
of monthly mean water levels for all previous years of record for this month.

-  Above Normal
-  Normal
-  Below Normal
-  No data for this month
-  Record High
-  Record Low