



# Monthly Ground-Water Conditions in Pennsylvania

## October 2000

This report is also available on the World Wide Web at [http://pa.water.usgs.gov/gw\\_report](http://pa.water.usgs.gov/gw_report)

---

**U.S. DEPARTMENT OF THE INTERIOR**  
U.S. GEOLOGICAL SURVEY  
840 Market Street  
Lemoyne, PA 17043-1584

---

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK October 2000

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	7.92	8.13	7.94	7.57	8.67/69	6.17/90	7.82	10/31	UP	UP	-0.35
Beaver	BV-156	1967	9.15	N/D	9.75	9.67	11.34/73	8.68/79	9.21	10/24	N/D	UP	.52
Butler	BT-311	1970	15.41	17.98	N/D	21.60	29.63/82	4.07/92	18.88	10/21	UP	N/D	6.19
Crawford	CW-413	1967	53.43	52.58	55.77	52.14*	55.77/99*	43.41/81*	53.19	10/19	DOWN	UP	-1.29*
Elk	EK-108	1975	6.27	6.80	7.67	5.31	8.53/96	2.47/90	6.30	10/20	UP	UP	-.96
Erie	ER-82	1966	19.14	18.96	23.41	20.71*	24.83/98*	18.29/87*	18.34	10/22	DOWN	UP	1.57*
Fayette	FA-17	1968	NDR	22.55	23.62	23.20	24.22/95	21.10/79	NDR	NDR	NDR	NDR	NDR
Forest	FO-11	1974	9.42	9.65	9.14	9.78	11.43/91	8.38/96	8.88	10/23	UP	DOWN	.36
Green	GR-118	1973	33.45	32.07	50.94	36.40	50.94/99	23.83/96	32.48	10/24	DOWN	UP	2.95
Lawrence	LA-1201	1967	17.96	17.99	19.15	17.47	19.34/95	15.23/77	18.10	10/31	UP	UP	-.49
Mercer	MR-1364	1964	2.68+	3.77+	1.76	4.30	5.85/82	1.25/98	2.52+	10/21	UP	DOWN	1.62
Somerset	SO-2	1937	35.46^	35.40^	43.26	35.23*	43.26/99*	32.86/96*	34.77^	10/20	DOWN	UP	-.23*
Warren	WR-50	1972	43.52	43.35	43.88	43.51	45.15/79	41.08/90	43.67	10/31	DOWN	UP	-.01
Washington	WS-155	1971	36.44	36.58	37.10	36.14	37.64/71	34.47/75	36.47	10/24	UP	UP	-.30
Westmoreland	WE-300	1968	18.22	16.34	18.57	18.35	24.19/68	15.03/90	16.08	10/20	DOWN	UP	.13
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	138.15	137.21	135.86	134.99	140.30/81	123.20/75	138.66	10/31	DOWN	DOWN	-3.16
Bucks	BK-929	1967	45.82	45.24	47.25	46.64*	48.29/95*	41.48/89*	45.95	10/31	DOWN	UP	.82*
Bucks	BK-1020	1975	30.94	30.33	30.21	35.98	40.54/76	28.83/96	32.12	10/31	DOWN	DOWN	5.04
Carbon	CB-104	1969	78.15	73.34	38.58	65.23	86.05/80	35.67/79	79.86	10/31	DOWN	DOWN	-12.92
Chester	CH-10	1966	13.96	13.86	11.72	13.82	15.65/86	10.46/79	14.29	10/31	DOWN	DOWN	-.14
Delaware	DE-723	1983	7.07	7.27	6.61	7.27	8.41/86	5.52/96	7.29	10/31	UP	DOWN	.20
Lebanon	LB-372	1973	10.16	9.55	9.40	9.60	10.92/81	6.96/75	10.44	10/31	DOWN	DOWN	-.56
Lehigh	LE-644	1971	74.92	72.49	72.95	66.46	82.35/81	48.64/75	77.27	10/31	DOWN	DOWN	-8.46
Monroe	MO-190	1968	13.07	12.25	12.75	12.71	16.55/80	8.82/79	13.28	10/31	DOWN	DOWN	-.36
Montgomery	MG-225	1956	13.74++	14.25++	12.10	32.26	59.32/63	12.10/99	14.85++	10/31	UP	DOWN	18.52
Montgomery	MG-917	1997	9.55	9.26	9.48	10.41	11.24/97	9.48/99	10.23	10/31	DOWN	DOWN	.86
Pike	PI-200	1981	57.27	82.06	64.36	54.94	95.54/98	38.26/85	53.21	10/31	UP	UP	-2.33
Schuylkill	SC-296	1975	53.55	52.79	46.46	48.80	54.73/80	40.40/90	54.15	10/31	DOWN	DOWN	-4.75
Wayne	WN-64	1968	26.71	27.71	28.70	27.60*	29.88/91*	24.39/87*	25.98	10/31	UP	UP	.89*

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 new 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 SO-2 are due to nearby pumping.

+ Well MR-1364 was affected by the Pymatuning Earthquake on Sept. 25, 1998. Record adjusted to compute current conditions shown on map.

++ Above normal conditions for well MG-225 are caused by decreased pumping from nearby wells.

## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK October 2000

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	12.03	12.28	11.68	12.33	13.41/80	11.34/76	12.20	10/31	UP	DOWN	0.30
Bedford	BD-150	1965	N/D	N/D	31.66	24.91	37.96/66	6.97/79	26.40	10/30	N/D	N/D	N/D
Blair	BA-74	1969	15.61	15.74	14.79	14.32	17.69/97	11.15/79	14.96	10/30	UP	DOWN	-1.29
Bradford	BR-92	1966	11.20	11.11	10.49	10.06	11.84/91	4.72/75	11.00	10/31	DOWN	DOWN	-1.14
Cameron	CM-13	1967	23.87	24.10	24.01	23.74	25.34/72	22.78/79	23.80	10/31	UP	UP	-.13
Clinton	CN-1	1950	52.42	51.77	53.70	51.20	55.39/64	47.91/90	52.59	10/31	DOWN	UP	-1.22
Cumberland	CU-2	1951	24.11	24.88	29.48	26.84	30.41/91	16.21/96	24.26	10/27	UP	UP	2.73
Dauphin	DA-350	1964	5.63	5.66	4.60	5.29	6.02/64	4.16/79	5.67	10/31	UP	DOWN	-.34
Franklin	FR-332	1975	22.47	21.33	19.37	28.78	34.68/77	16.32/96	25.12	10/31	DOWN	DOWN	6.31
Huntingdon	HU-301	1969	55.14	55.21	54.61	54.34	55.63/85	52.95/72	55.09	10/31	UP	DOWN	-.80
Juniata	JU-351	1968	13.53	13.30	12.95	14.24	15.22/74	12.89/96	13.08	10/30	DOWN	DOWN	.71
Lancaster	LN-514	1964	32.81	32.84	32.75	32.84	33.52/70	28.66/75	32.96	10/27	UP	DOWN	.03
Luzerne	LU-294	1994	33.71	33.47	33.60	34.80	35.77/99	33.60/00	32.98	10/30	DOWN	DOWN	1.09
Lycoming	LY-112	1967	105.38 <sup>^^</sup>	105.32 <sup>^^</sup>	103.10	90.49	103.10/99	86.20/77	105.00 <sup>^^</sup>	10/31	DOWN	DOWN	-14.89
Mifflin	MF-344	1983	56.73	54.86	55.73	62.49	75.22/85	41.15/96	57.56	10/30	DOWN	DOWN	5.76
Potter	PO-72	1967	23.79	30.06	28.33	24.41	31.50/91	13.79/90	24.40	10/31	UP	UP	.62
Snyder	SN-130	1968	19.12	19.15	18.82	19.05	19.48/85	18.01/68	19.13	10/31	UP	DOWN	-.07
Sullivan	SU-34	1965	28.16	29.22	25.85	27.75	29.87/80	24.46/77	28.27	10/31	UP	DOWN	-.41
Susquehanna	SQ-61	1972	34.62	34.83	30.49	32.71	36.84/73	27.03/77	34.21	10/31	UP	DOWN	-1.91
Tioga	TI-100	1972	32.38	32.26	32.27	33.15	34.73/88	31.86/98	32.52	10/31	DOWN	DOWN	.77
Union	UN-51	1967	41.13	40.60	36.51	39.93	41.77/80	35.83/79	41.29	10/31	DOWN	DOWN	-1.20

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 new recorded maximum or minimum

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

<sup>^^</sup> Below normal conditions for well LY-112 are due to installation of nearby well in August 1999. Record adjusted to compute current conditions shown on map.

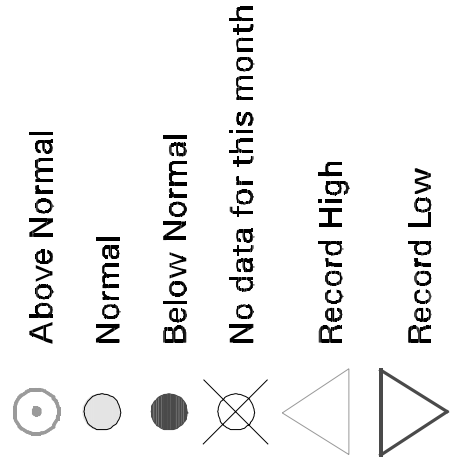
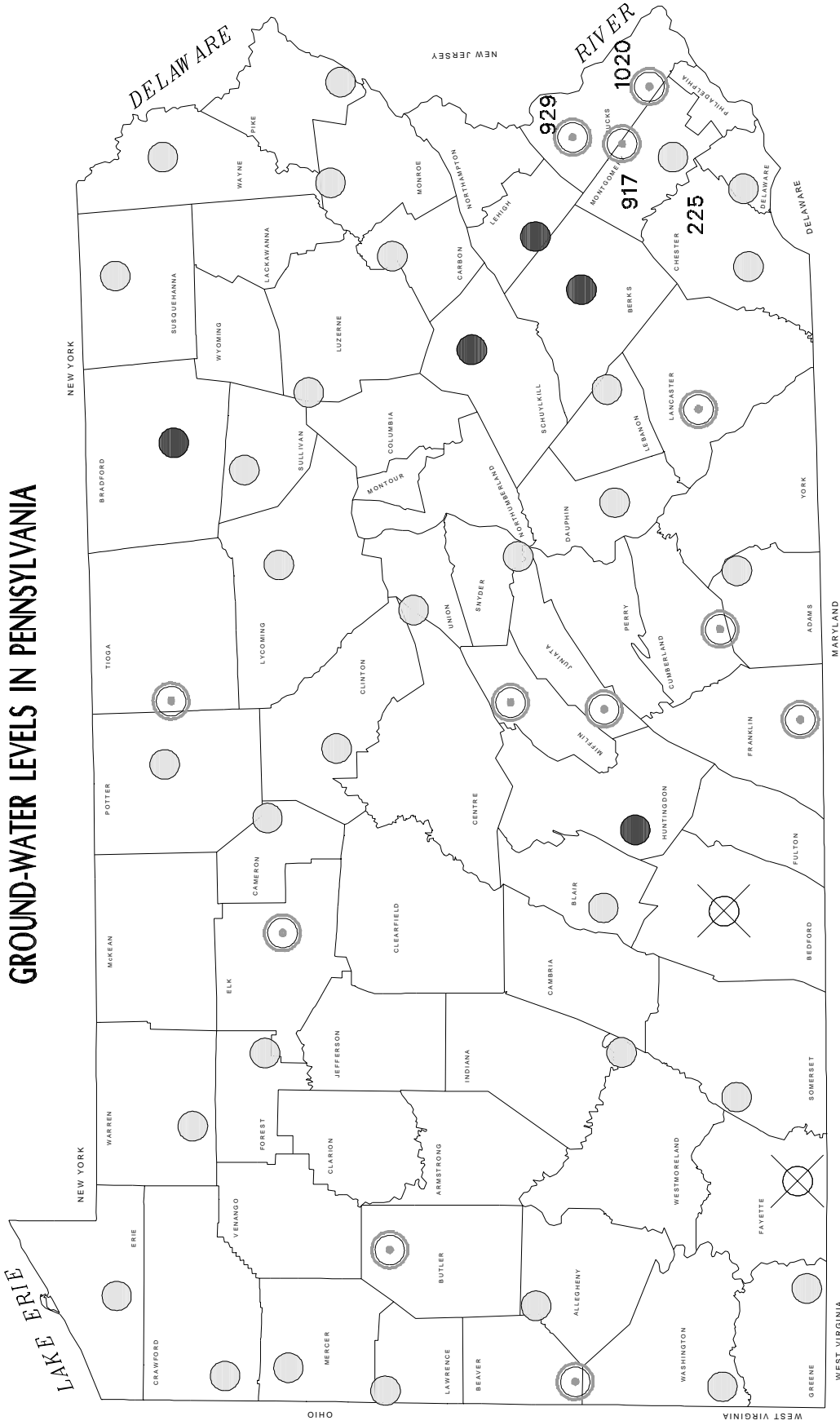
**NOTE:**

- 1) Continuous water-level records for wells CE-118 (Centre County), BD-654 (Bedford 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.

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

Dennis Risser, Ground-Water Program Coordinator, USGS, Lemoyne, PA (717) 730-6911  
Naomi Weisbeker, Hydrologic Technician, USGS, Lemoyne, PA (717) 730-6937

# GROUND-WATER LEVELS IN PENNSYLVANIA



## OCTOBER 2000

### 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.