



# Monthly Ground-Water Conditions in Pennsylvania

## December 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)

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**U.S. DEPARTMENT OF THE INTERIOR**  
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PENALTY FOR PRIVATE USE \$300

## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK December 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	7.68	7.85	7.40	6.99	8.12/68	5.68/90	7.58	12/31	UP	DOWN	-0.69
Beaver	BV-156	1967	9.05	9.10	8.99	9.03	10.42/67	8.19/96	8.50	12/20	UP	DOWN	-.02
Butler	BT-311	1970	10.21	N/D	N/D	9.78	25.81/89	3.10/96	3.48	12/20	N/D	N/D	-.43
Crawford	CW-413	1967	53.21	53.51	53.34	49.48*	54.25/95*	40.37/81*	51.51	12/19	UP	UP	-3.73*
Elk	EK-108	1975	6.44	6.40	N/D	4.75	8.81/96	2.57/90	6.35	12/20	DOWN	N/D	-1.69
Erie	ER-82	1966	18.40	18.57	18.73	18.81*	23.38/98*	17.37/86*	18.82	12/26	UP	UP	.41*
Fayette	FA-17	1968	22.78	23.01	23.38	22.37	23.89/98	20.79/86	21.91	12/27	UP	UP	-.41
Forest	FO-11	1974	8.46	8.78	8.08	8.81	9.60/91	7.98/96	8.20	12/23	UP	DOWN	.35
Green	GR-118	1973	32.93	33.36	32.38	32.88	43.73/87	23.22/93	27.80	12/20	UP	DOWN	-.05
Lawrence	LA-1201	1967	17.20	18.19	16.94	16.08	18.98/91	14.53/72	16.76	12/31	UP	DOWN	-1.12
Mercer	MR-1364	1964	3.16+	3.10+	1.88	3.75	5.22/80	1.88/99	2.82+	12/22	DOWN	DOWN	.59
Somerset	SO-2	1937	33.83 <sup>^</sup>	34.40 <sup>^</sup>	37.07	34.41*	38.67/98*	32.51/96*	33.82 <sup>^</sup>	12/23	UP	UP	.58*
Warren	WR-50	1972	43.32	43.65	42.82	42.62	44.34/91	40.34/90	42.99	12/24	UP	DOWN	-.70
Washington	WS-155	1971	36.56	36.53	36.30	35.36	36.52/98	34.17/78	35.43	12/20	DOWN	DOWN	-1.20
Westmoreland	WE-300	1968	16.19	16.15	17.72	17.17	20.34/68	14.92/90	16.26	12/20	DOWN	UP	.98
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	139.68	139.22	137.75	134.84	140.70/81	121.10/96	139.52	12/31	DOWN	DOWN	-4.84
Bucks	BK-929	1967	46.01	46.29	44.46	44.90*	49.99/98*	41.22/89*	44.86	12/31	UP	DOWN	-1.11*
Bucks	BK-1020	1975	33.97	33.54	31.78	34.28	41.08/98	28.20/93	32.14	12/31	DOWN	DOWN	.31
Carbon	CB-104	1969	65.57	81.12	38.83	44.99	76.26/98	28.85/93	41.29	12/31	UP	DOWN	-20.58
Chester	CH-10	1966	13.94	14.48	11.60	12.91	15.16/69	8.70/96	13.54	12/31	UP	DOWN	-1.03
Delaware	DE-723	1983	7.08	7.34	6.56	6.57	8.29/98	3.34/96	7.07	12/31	UP	DOWN	-.51
Lebanon	LB-372	1973	10.02	10.62	10.02	8.97	11.11/81	6.52/96	9.86	12/31	UP	SAME	-1.05
Lehigh	LE-644	1971	78.18	78.88	73.21	64.51	84.31/81	45.45/96	75.42	12/31	UP	DOWN	-13.67
Monroe	MO-190	1968	11.88	13.37	9.84	10.24	15.66/80	7.98/96	10.56	12/31	UP	DOWN	-1.64
Montgomery	MG-917	1997	10.04	10.72	8.93	10.52	12.06/98	8.93/99	9.36	12/31	UP	DOWN	.48
Pike	PI-200	1981	47.93	53.74	65.64	47.63	95.54/98	31.33/86	48.18	12/31	UP	UP	-.30
Schuylkill	SC-296	1975	50.55	54.51	46.75	45.50	55.27/98	37.05/90	48.16	12/31	UP	DOWN	-5.05
Wayne	WN-64	1968	25.92	25.92	26.70	25.38*	28.16/91*	21.95/96*	25.94	12/31	SAME	UP	-.54*

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.

<sup>^</sup> 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.

Note: Water levels from well MG-225 are being collected but not reported in this monthly summary, because they are not comparable to historical levels due to changes in ground-water pumping.

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Observation wells in the Susquehanna River Basin													
Adams	AD-146	1968	11.90	12.19	11.76	11.75	12.69/98	11.33/96	12.07	12/31	UP	DOWN	-0.15
Bedford	BD-150	1965	28.96	27.55	29.96	22.06	39.43/65	3.60/96	29.31	12/28	DOWN	UP	-6.90
Blair	BA-74	1969	13.86	14.85	13.42	12.80	17.87/98	10.94/90	14.00	12/31	UP	DOWN	-1.06
Bradford	BR-92	1966	9.57	10.71	9.85	8.03	10.83/80	3.59/96	8.94	12/31	UP	UP	-1.54
Cameron	CM-13	1967	23.51	23.79	23.19	23.17	24.17/72	22.53/70	23.34	12/31	UP	DOWN	-.34
Clinton	CN-1	1950	52.52	52.77	52.22	49.63	53.59/65	46.73/96	52.05	12/31	UP	DOWN	-2.89
Cumberland	CU-2	1951	23.64	N/D	29.60	24.57	31.09/64	13.14/96	21.86	12/29	N/D	UP	.93
Dauphin	DA-350	1964	5.25	5.67	4.81	4.66	5.82/98	3.74/90	5.13	12/31	UP	DOWN	-.59
Franklin	FR-332	1975	21.84	26.87	24.50	27.21	32.64/78	15.49/96	18.58	12/31	UP	UP	5.37
Huntingdon	HU-301	1969	54.76	55.05	54.04	53.64	55.13/81	51.12/72	54.58	12/31	UP	DOWN	-1.12
Juniata	JU-351	1968	12.97	13.11	12.74	13.20	14.47/98	12.30/96	12.90	12/27	UP	DOWN	.23
Lancaster	LN-514	1964	32.68	33.13	32.80	32.06	33.40/81	26.47/96	30.64	12/21	UP	UP	-.62
Luzerne	LU-294	1994	31.92	33.02	32.95	33.90	35.69/99	32.95/00	31.79	12/31	UP	UP	1.98
Lycoming	LY-112	1967	103.39^^	104.66^^	102.86	88.23	102.90/99	85.38/77	103.09^^	12/31	UP	DOWN	-15.16
Mifflin	MF-344	1983	NDR	57.77	53.31	52.71	71.02/98	42.16/93	52.35	12/27	NDR	NDR	NDR
Potter	PO-72	1967	18.75	23.32	17.34	18.47	27.92/98	12.75/67	21.37	12/31	UP	DOWN	-.28
Snyder	SN-130	1968	18.97	19.22	18.87	18.69	19.55/98	17.92/71	19.06	12/31	UP	DOWN	-.28
Sullivan	SU-34	1965	26.74	27.92	25.56	25.64	29.52/98	23.12/90	26.84	12/31	UP	DOWN	-1.10
Susquehanna	SQ-61	1972	32.21	33.95	30.70	29.20	35.09/80	25.17/86	30.77	12/31	UP	DOWN	-3.01
Tioga	TI-100	1972	NDR	32.83	31.38	32.81	34.53/88	31.38/99	NDR	NDR	NDR	NDR	NDR
Union	UN-51	1967	41.26	41.40	36.77	37.66	42.11/98	34.10/96	40.71	12/31	UP	DOWN	-3.60

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

^^ 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:**

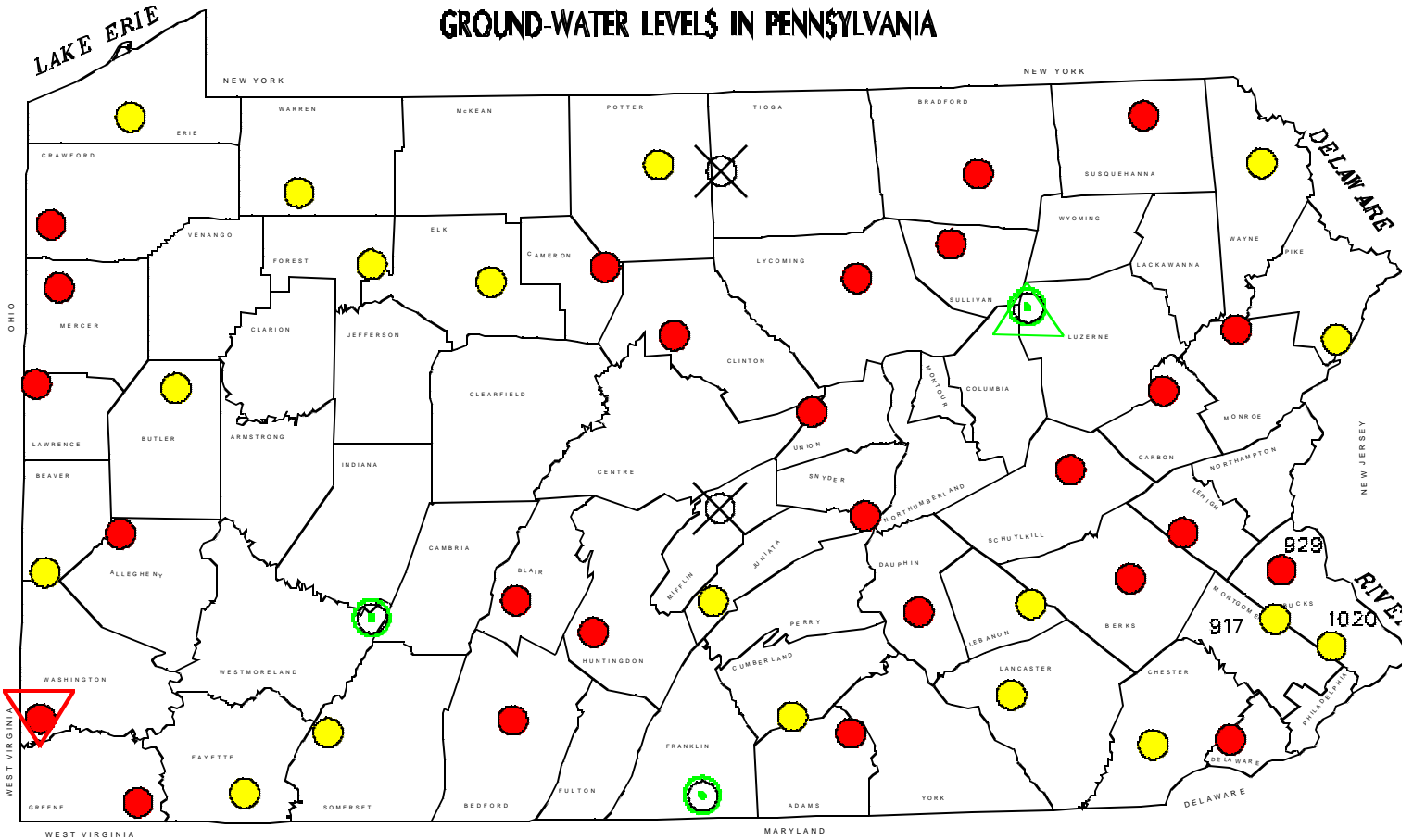
- 1) Continuous water-level records for wells CE-118 (Centre County), BD-654 (Bedford County), and PH-12 (Philadelphia County) are being collected but are not reported in the monthly summary because they are not used for drought monitoring.

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

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Naomi Weisbeker, Hydrologic Technician, USGS, Lemoyne, PA (717) 730-6937

# GROUND-WATER LEVELS IN PENNSYLVANIA









## DECEMBER 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.

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