



# Monthly Ground-Water Conditions in Pennsylvania

## February 2000

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U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY  
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## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK FEBRUARY 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	7.06	7.17	6.36	6.48	7.81/69	5.48/91	6.49	2/27	UP	DOWN	-0.58
Beaver	BV-156	1967	8.96	8.88	8.21	8.69	10.05/68	8.08/91	8.50	2/23	DOWN	DOWN	-0.27
Butler	BT-311	1970	N/D	10.98	3.05	6.44	14.29/71	3.05/99	3.38	2/19	N/D	N/D	N/D
Crawford	CW-413	1967	51.28	51.90	52.65	48.41*	52.65/99*	43.76/91*	50.87	2/21	UP	UP	-2.87*
Elk	EK-108	1975	6.26**	6.36**	6.18	4.51	7.96/97**	2.58/91	6.13**	2/20	UP	DOWN	-1.75
Erie	ER-82	1966	18.91	18.49	19.48	18.70*	19.51/91*	17.37/96*	19.02	2/22	DOWN	UP	-0.21*
Fayette	FA-17	1968	23.42	23.63	22.13	21.96	23.06/77	20.39/98	22.53	2/22	UP	DOWN	-1.46
Forest	FO-11	1974	8.57	8.12	8.08	8.87	9.70/77	8.08/99	8.50	2/22	DOWN	DOWN	.30
Green	GR-118	1973	30.97	31.09	23.43	30.83	38.39/88	23.46/93	26.22	2/23	UP	DOWN	-0.14
Lawrence	LA-1201	1967	16.66	16.23	15.70	15.86	17.45/92	14.49/76	15.25	2/27	DOWN	DOWN	-0.80
Mercer	MR-1364	1964	2.45+	2.01+	2.02	3.83	5.01/80	2.02/99	2.12+	2/28	DOWN	DOWN	1.38
Somerset	SO-2	1937	N/D^	N/D^	43.32	34.09*	43.32/99*	32.58/91*	37.37^	2/22	N/D	N/D	N/D*
Warren	WR-50	1972	42.51	42.22	42.60	42.49	44.53/77	40.18/91	41.95	2/27	DOWN	UP	-0.02
Washington	WS-155	1971	36.33	36.35	35.94	35.14	35.94/99	33.39/75	35.24	2/23	UP	DOWN	-1.19
Westmoreland	WE-300	1968	17.53	17.33	16.56	16.70	22.34/68	14.29/91	17.69	2/20	DOWN	DOWN	-0.83
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	138.28	137.79	136.10	132.01	139.90/81	120.90/78	137.67	2/27	DOWN	DOWN	-6.27
Bucks	BK-929	1967	43.71	43.73	46.73	43.25*	46.73/99*	40.77/91*	42.66	2/27	UP	UP	-0.46*
Bucks	BK-1020	1975	29.85	29.94	31.70	31.55	39.81/77	27.18/96	26.87	2/27	UP	UP	1.70
Carbon	CB-104	1969	55.42	46.90	36.49	44.63	70.47/77	32.19/90	47.59	2/27	DOWN	DOWN	-10.79
Chester	CH-10	1966	11.73	11.83	12.21	12.16	14.21/92	9.31/97	10.58	2/27	UP	UP	.43
Delaware	DE-723	1983	6.35	6.59	7.17	6.32	7.17/99	5.11/97	5.99	2/27	UP	UP	-0.03
Lebanon	LB-372	1973	9.84	10.01	7.97	8.25	10.56/92	6.78/76	8.56	2/27	UP	DOWN	-1.59
Lehigh	LE-644	1971	75.22	73.19	69.48	60.30	85.85/71	40.24/73	72.12	2/27	DOWN	DOWN	-14.92
Monroe	MO-190	1968	11.50	10.41	8.97	10.30	12.84/81	8.77/84	10.72	2/27	DOWN	DOWN	-1.20
Montgomery	MG-225	1956	12.58++	13.28++	14.31	26.27	49.66/66	12.30/96	10.14++	2/27	UP	UP	13.69
Montgomery	MG-917	1997	9.33	9.23	9.13	8.70	9.13/99	8.28/98	8.06	2/27	DOWN	DOWN	-0.63
Pike	PI-200	1981	72.57	71.80	74.17	48.69	74.17/99	33.11/86	65.95	2/27	DOWN	UP	-23.88
Schuylkill	SC-296	1975	48.33	47.57	44.79	44.60	50.86/77	36.84/90	42.86	2/27	DOWN	DOWN	-3.73
Wayne	WN-64	1968	27.40	26.78	27.81	25.46*	27.81/99*	23.04/91*	26.43	2/27	DOWN	UP	-1.94*

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.

\*\* Water level in well EK-108 is affected by land-use changes made in fall of 1996.

^ Below normal conditions for well SO-2 are due to nearby pumping.

+ Above normal conditions for well MR-1364 are probably due to changes in aquifer caused by Pymatuning Earthquake on Sept. 25, 1998.

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

## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK FEBRUARY 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	11.54	11.86	11.74	11.66	12.32/80	11.22/90	11.20	2/27	UP	UP	.12
Bedford	BD-150	1965	30.87	30.15	31.82	17.79	40.59/66	3.60/97	26.16	2/26	DOWN	UP	-13.08
Blair	BA-74	1969	13.94	13.72	14.68	12.59	15.41/70	10.79/91	12.69	2/23	DOWN	UP	-1.35
Bradford	BR-92	1966	8.71	9.28	8.39	7.52	10.83/89	4.00/90	4.32	2/27	UP	DOWN	-1.19
Cameron	CM-13	1967	23.22	22.82	22.56	23.12	24.04/73	22.56/99	22.81	2/27	DOWN	DOWN	-.10
Clinton	CN-1	1950	50.77	50.92	51.26	49.49	53.14/65	47.22/91	50.37	2/27	UP	UP	-1.28
Cumberland	CU-2	1951	28.69	28.87	26.46	21.09	29.08/92	13.99/78	27.66	2/25	UP	DOWN	-7.60
Dauphin	DA-350	1964	4.63	4.75	4.65	4.54	5.43/80	3.90/90	4.07	2/27	UP	UP	-.09
Franklin	FR-332	1975	20.34	23.57	17.06	24.67	31.33/77	15.77/98	16.79	2/27	UP	DOWN	4.33
Huntingdon	HU-301	1969	54.38	54.33	53.46	53.42	54.48/77	51.86/73	53.73	2/21	DOWN	DOWN	-.96
Juniata	JU-351	1968	12.96	12.99	13.02	13.00	13.72/69	11.01/96	12.46	2/23	UP	UP	.04
Lancaster	LN-514	1964	32.52	32.96	32.47	31.53	33.24/81	25.98/96	27.25	2/29	UP	DOWN	-.99
Luzerne	LU-294	1994	32.83	32.44	31.70	31.86	32.74/95	31.43/98	31.90	2/27	DOWN	DOWN	-.97
Lycoming	LY-112	1967	103.80 <sup>^^</sup>	103.24 <sup>^^</sup>	87.64	88.39	91.91/69	85.25/90	101.74 <sup>^^</sup>	2/27	DOWN	DOWN	-15.41
Mifflin	MF-344	1983	56.39	57.11	52.02	50.13	54.79/89	42.32/98	51.24	2/22	UP	DOWN	-6.26
Potter	PO-72	1967	19.49	17.44	16.74	19.09	26.14/80	12.23/70	6.41	2/27	DOWN	DOWN	-.40
Snyder	SN-130	1968	18.78	19.05	18.77	18.67	19.12/93	17.90/70	18.37	2/27	UP	DOWN	-.11
Sullivan	SU-34	1965	26.66	26.07	25.86	25.70	28.45/69	22.81/81	23.18	2/27	DOWN	DOWN	-.96
Susquehanna	SQ-61	1972	30.92	30.48	29.37	29.47	34.61/77	26.50/91	29.95	2/27	DOWN	DOWN	-1.45
Tioga	TI-100	1972	31.83	31.41	30.53	32.78	34.63/89	30.53/99	30.54	2/28	DOWN	DOWN	.95
Union	UN-51	1967	40.23	37.55	N/D	38.13	40.47/77	35.11/96	40.40	2/27	DOWN	N/D	-2.10

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<sup>^^</sup> Below normal conditions for well LY-112 are due to installation of nearby well in August 1999.

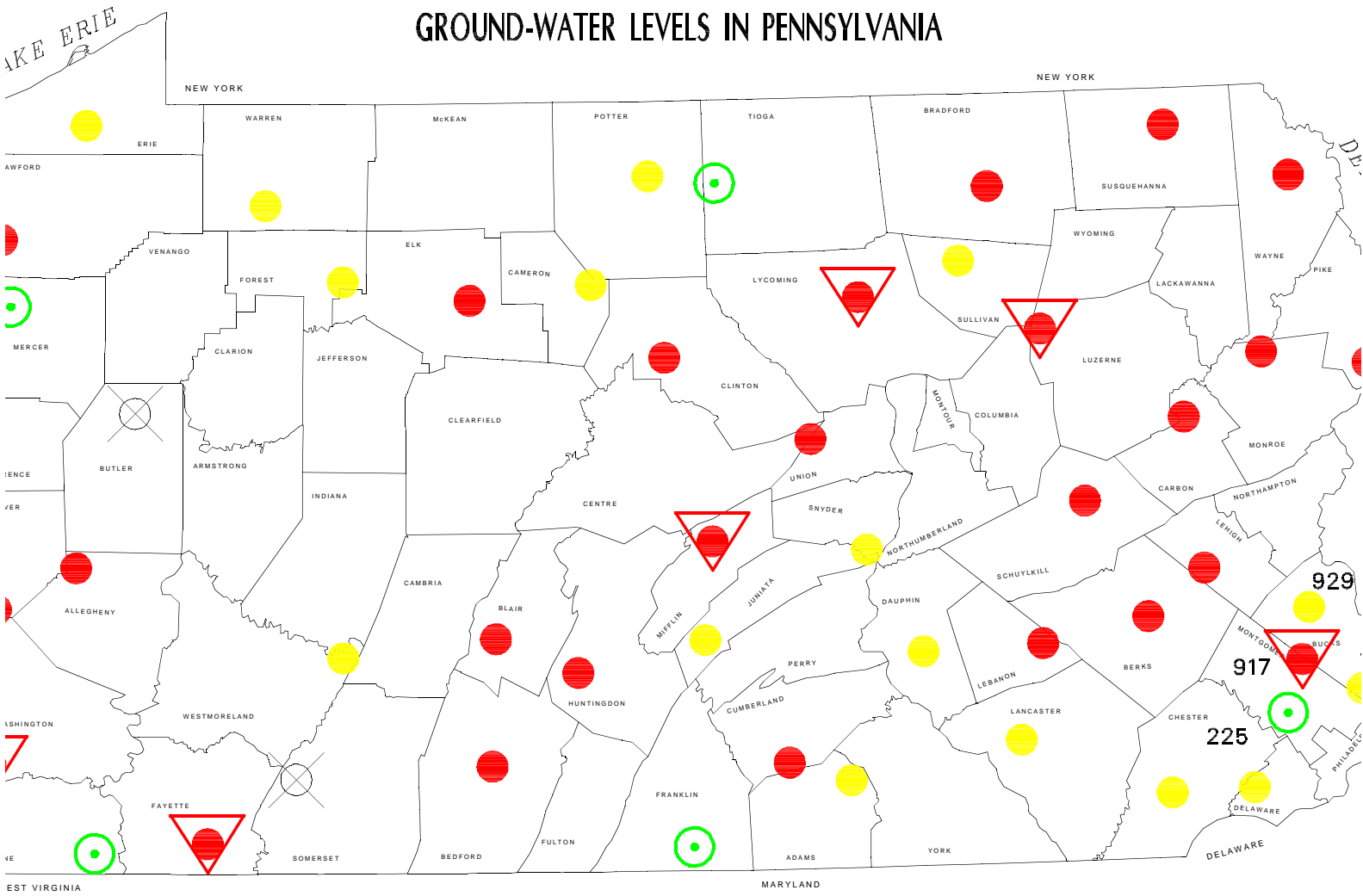
**NOTE:**

- 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  
Marla Stuckey, Hydrologist, USGS, Lemoyne, PA (717) 730-6950

# GROUND-WATER LEVELS IN PENNSYLVANIA









## JANUARY 2000

### GROUND-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 the 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

