



# Monthly Ground-Water Conditions in Pennsylvania

## November 2000

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U.S. GEOLOGICAL SURVEY  
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## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK November 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	7.85	7.92	7.77	7.34	8.33/69	5.92/90	8.02	11/29	UP	DOWN	-0.51
Beaver	BV-156	1967	9.10	9.15	9.42	9.34	10.75/73	8.53/96	8.96	11/20	UP	UP	.24
Butler	BT-311	1970	N/D	15.41	N/D	15.80	29.37/91	3.38/92	18.87	11/20	N/D	N/D	N/D
Crawford	CW-413	1967	53.51	53.43	55.65	51.22*	56.06/95*	41.72/81*	53.52	11/20	DOWN	UP	-2.29*
Elk	EK-108	1975	6.40	6.27	7.62	5.05	8.96/96	2.60/90	6.40	11/20	DOWN	UP	-1.35
Erie	ER-82	1966	18.57	19.14	20.76	19.61*	24.57/98*	18.09/93*	18.64	11/25	UP	UP	1.04*
Fayette	FA-17	1968	NDR	NDR	23.25	23.07	24.93/68	21.46/96	NDR	NDR	NDR	NDR	NDR
Forest	FO-11	1974	8.78	9.42	8.49	9.16	11.16/91	8.06/96	8.60	11/20	UP	DOWN	.38
Green	GR-118	1973	33.36	33.45	49.61	35.32	49.61/99	23.19/96	34.14	11/20	UP	UP	1.96
Lawrence	LA-1201	1967	18.19	17.96	18.50	16.90	19.68/67	15.00/70	18.14	11/29	DOWN	UP	-1.29
Mercer	MR-1364	1964	3.10+	2.68+	1.84	4.02	5.32/80	1.66/98	3.35+	11/21	DOWN	DOWN	.92
Somerset	SO-2	1937	34.40^	35.46^	39.46	34.86*	39.46/99*	32.94/96*	33.07^	11/20	UP	UP	.46*
Warren	WR-50	1972	43.65	43.52	43.64	43.33	44.92/79	40.72/90	43.49	11/29	DOWN	DOWN	-.32
Washington	WS-155	1971	36.53	36.44	36.69	35.79	36.87/91	34.63/85	36.57	11/20	DOWN	UP	-.74
Westmoreland	WE-300	1968	16.15	18.22	18.50	17.95	22.82/68	15.02/90	16.26	11/20	UP	UP	1.80
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	139.22	138.15	137.39	135.33	140.50/81	122.20/75	139.61	11/29	DOWN	DOWN	-3.89
Bucks	BK-929	1967	46.29	45.82	46.04	46.26*	49.55/98*	41.12/89*	46.52	11/29	DOWN	DOWN	-.03*
Bucks	BK-1020	1975	33.54	30.94	31.93	35.98	40.78/81	28.76/95	34.43	11/29	DOWN	DOWN	2.44
Carbon	CB-104	1969	81.12	78.15	43.41	58.73	88.32/80	35.31/90	81.84	11/29	DOWN	DOWN	-22.39
Chester	CH-10	1966	14.48	13.96	12.50	13.78	15.52/66	10.37/96	14.52	11/29	DOWN	DOWN	-.70
Delaware	DE-723	1983	7.34	7.07	6.79	7.17	8.33/85	5.68/96	7.05	11/28	DOWN	DOWN	-.17
Lebanon	LB-372	1973	10.62	10.16	10.32	9.53	11.05/81	7.21/75	10.66	11/29	DOWN	DOWN	-1.09
Lehigh	LE-644	1971	78.88	74.92	74.90	66.90	83.56/81	46.33/75	79.15	11/29	DOWN	DOWN	-11.98
Monroe	MO-190	1968	13.37	13.07	11.01	11.33	16.59/80	8.69/77	13.09	11/29	DOWN	DOWN	-2.04
Montgomery	MG-225	1956	15.38++	13.74++	13.38	31.83	58.70/63	13.38/99	15.77++	11/26	DOWN	DOWN	16.45
Montgomery	MG-917	1997	10.72	9.55	9.51	10.60	11.59/98	9.51/99	10.73	11/29	DOWN	DOWN	-.12
Pike	PI-200	1981	53.74	57.27	66.60	49.83	96.82/98	31.16/85	53.65	11/29	UP	UP	-3.91
Schuylkill	SC-296	1975	54.51	53.55	49.78	47.23	55.04/80	39.36/90	54.25	11/29	DOWN	DOWN	-7.28
Wayne	WN-64	1968	25.92	26.71	27.97	26.35*	29.94/91*	22.86/90*	25.73	11/29	UP	UP	.43*

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.

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			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	12.19	12.03	12.08	11.96	12.86/88	11.27/89	11.97	11/29	DOWN	DOWN	-.23
Bedford	BD-150	1965	27.55	N/D	31.89	25.05	39.89/66	6.15/79	28.40	11/28	N/D	UP	-2.50
Blair	BA-74	1969	14.85	15.61	14.32	13.53	17.47/98	11.23/79	14.30	11/27	UP	DOWN	-1.32
Bradford	BR-92	1966	10.71	11.20	10.95	9.41	11.58/91	5.88/67	10.62	11/29	UP	UP	-1.30
Cameron	CM-13	1967	23.79	23.87	23.84	23.43	24.71/72	22.54/70	23.76	11/29	UP	UP	-.36
Clinton	CN-1	1950	52.77	52.42	53.80	50.59	55.21/65	46.82/77	52.86	11/29	DOWN	UP	-2.18
Cumberland	CU-2	1951	N/D	24.11	29.49	26.28	31.32/64	14.74/96	N/D	N/D	N/D	N/D	N/D
Dauphin	DA-350	1964	5.67	5.63	5.09	4.96	6.00/64	4.11/90	5.58	11/29	DOWN	DOWN	-.71
Franklin	FR-332	1975	26.87	22.47	25.13	28.77	34.31/78	16.38/96	24.40	11/29	DOWN	DOWN	1.90
Huntingdon	HU-301	1969	55.05	55.14	54.65	54.11	55.41/74	52.00/72	54.84	11/29	UP	DOWN	-.94
Juniata	JU-351	1968	13.11	13.53	13.04	13.58	15.05/74	12.53/96	12.75	11/30	UP	DOWN	.47
Lancaster	LN-514	1964	33.13	32.81	32.99	32.88	34.69/67	29.67/96	33.10	11/29	DOWN	DOWN	-.25
Luzerne	LU-294	1994	33.02	33.71	33.98	33.94	35.66/99	32.09/97	32.62	11/29	UP	UP	.92
Lycoming	LY-112	1967	104.66 <sup>^^</sup>	105.38 <sup>^^</sup>	104.54	89.26	104.50/99	86.32/77	104.31 <sup>^^</sup>	11/29	UP	DOWN	-15.40
Mifflin	MF-344	1983	57.77	56.51	56.65	59.58	71.77/84	46.06/97	57.60	11/30	DOWN	DOWN	1.81
Potter	PO-72	1967	23.32	23.79	24.38	19.91	31.69/98	10.91/70	15.37	11/29	UP	UP	-3.41
Snyder	SN-130	1968	19.22	19.12	19.21	18.87	19.47/98	17.50/68	19.23	11/29	DOWN	DOWN	-.35
Sullivan	SU-34	1965	27.92	28.16	27.19	26.59	29.54/98	24.73/92	27.84	11/29	UP	DOWN	-1.33
Susquehanna	SQ-61	1972	33.95	34.62	31.28	30.86	36.29/80	26.46/92	33.21	11/29	UP	DOWN	-3.09
Tioga	TI-100	1972	32.83	32.38	32.87	33.07	34.45/91	31.81/96	32.83	11/29	DOWN	UP	.24
Union	UN-51	1967	41.40	41.13	38.50	39.02	42.01/80	32.46/77	41.45	11/29	DOWN	DOWN	-2.38

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<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.

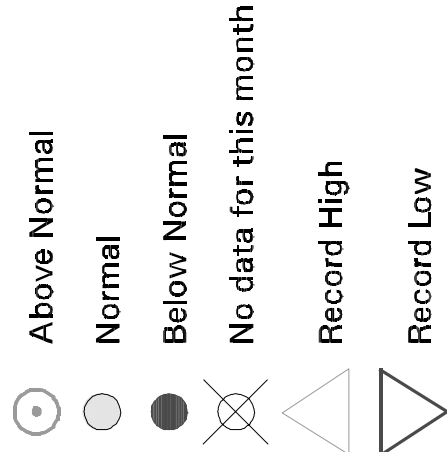
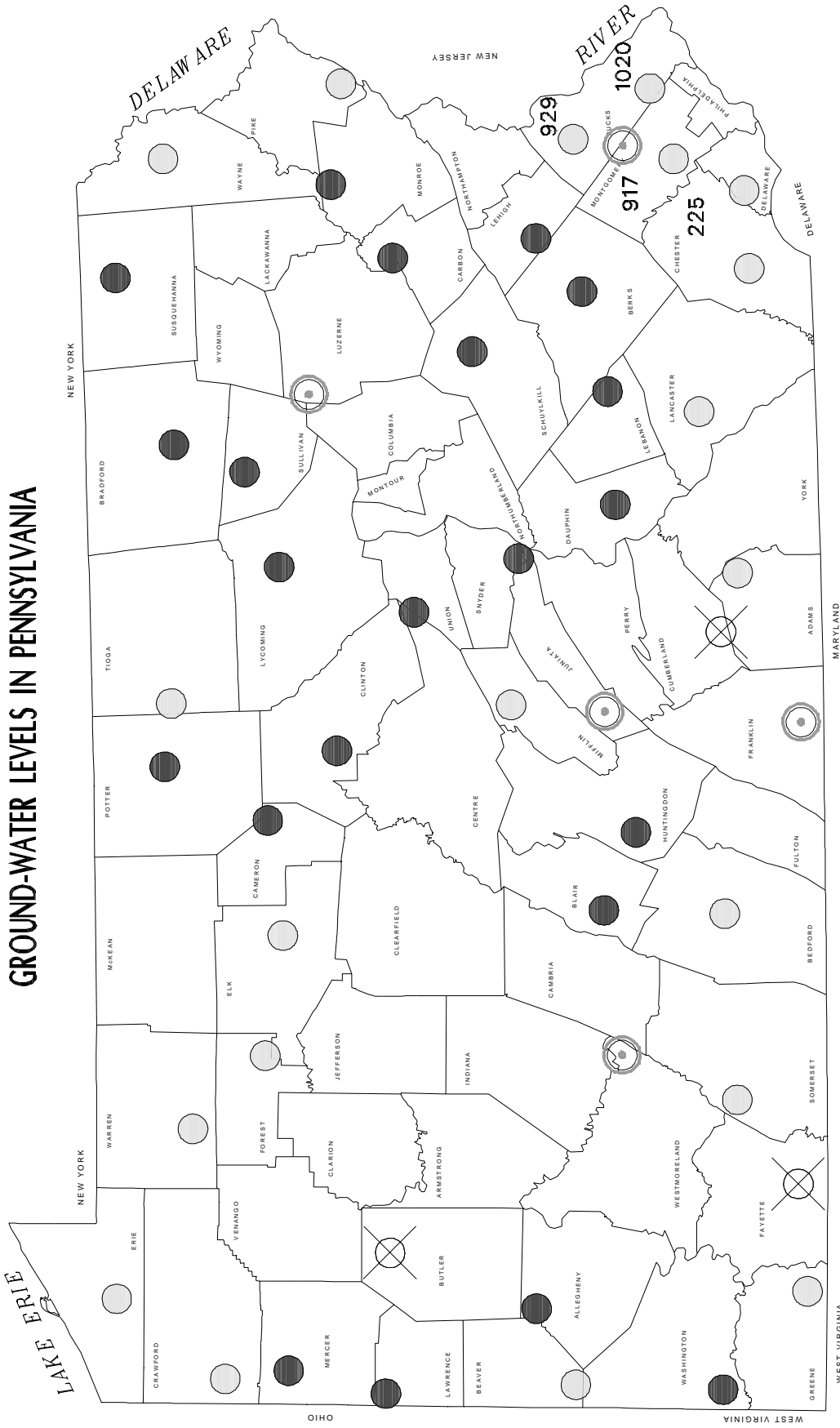
**NOTE:**

- 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:**

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

# GROUND-WATER LEVELS IN PENNSYLVANIA



## NOVEMBER 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.