

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK SEPTEMBER 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	6.95	6.93	7.07	7.63	8.55/69	6.40/90	6.89	9/28	DOWN	UP	0.68
Beaver	BV-156	1967	9.40	9.44	9.15	9.85	11.60/73	8.85/92	9.31	9/23	UP	DOWN	0.45
Butler	BT-311	1970	N/D	26.40	12.09	21.06	29.06/83	6.89/90	21.55	9/20	N/D	N/D	N/D
Crawford	CW-413	1967	N/D	51.92	N/D	52.15*	54.99/83*	45.73/87*	53.78	9/19	N/D	N/D	N/D*
Elk	EK-108	1975	6.78**	6.66**	4.81	4.90	6.78/97**	2.75/90	6.80**	9/20	DOWN	DOWN	-1.88**
Erie	ER-82	1966	20.70	20.71	20.25	20.87*	23.28/83*	18.63/92*	21.53	9/26	UP	DOWN	0.17*
Fayette	FA-17	1968	23.76	23.69	22.41	23.14	23.96/93	22.41/96	23.79	9/24	DOWN	DOWN	-0.62
Forest	FO-11	1974	NDR	10.31	8.95	10.22	11.84/82	8.74/92	NDR	NDR	NDR	NDR	NDR
Green	GR-118	1973	36.19	34.48	25.81	35.33	44.67/86	25.81/96	39.30	9/23	DOWN	DOWN	-0.86
Lawrence	LA-1201	1967	18.17	N/D	17.86	17.49	19.11/95	15.37/75	17.10	9/30	N/D	DOWN	-0.68
Mercer	MR-1364	1964	4.25	4.18	3.43	4.50	5.72/82	3.00/92	3.97	9/22	DOWN	DOWN	0.25
Somerset	SO-2	1937	34.00	33.57	32.95	34.29*	35.63/88*	32.95/96*	34.22	9/19	DOWN	DOWN	0.29*
Warren	WR-50	1972	42.31	41.77	42.98	43.61	44.96/78	41.16/87	42.80	9/28	DOWN	UP	1.30
Washington	WS-155	1971	36.34	36.51	36.36	36.22	37.59/71	34.24/75	36.40	9/23	UP	UP	-0.12
Westmoreland	WE-300	1968	17.03	17.08	16.36	18.50	24.26/68	15.85/90	17.27	9/15	UP	DOWN	1.47
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	136.23	134.52	133.37	133.90	139.60/81	123.90/84	136.75	9/28	DOWN	DOWN	-2.33
Bucks	BK-929	1967	46.40	45.48	N/D	46.41*	48.75/95*	42.62/89*	46.41	9/25	DOWN	N/D	0.01*
Bucks	BK-1020	1975	36.85	35.31	31.61	35.79	40.66/85	31.56/94	37.56	9/28	DOWN	DOWN	-1.06
Carbon	CB-104	1969	58.90	74.25	70.97	69.83	83.13/93	29.33/87	51.42	9/28	UP	UP	10.93
Chester	CH-10	1966	13.99	13.44	11.85	13.82	15.77/95	11.23/89	14.18	9/28	DOWN	DOWN	-0.17
Delaware	DE-723	1983	7.52	7.23	6.20	7.33	8.77/95	6.20/96	7.67	9/25	DOWN	DOWN	-0.19
Lebanon	LB-372	1973	10.39	10.03	9.15	9.62	10.84/91	8.29/76	10.58	9/28	DOWN	DOWN	-0.77
Lehigh	LE-644	1971	69.34	66.08	63.33	65.13	80.01/81	47.39/84	71.15	9/28	DOWN	DOWN	-4.21
Monroe	MO-190	1968	13.89	14.25	12.88	12.94	16.12/93	9.78/87	13.70	9/28	UP	DOWN	-0.95
Montgomery	MG-225	1956	18.58	15.83	15.38	33.10	58.47/63	15.38/96	19.37	9/25	DOWN	DOWN	14.52
Pike	PI-200	1981	81.25	85.89	64.36	53.08	81.25/97	36.66/90	80.32	9/28	UP	DOWN	-28.17
Schuylkill	SC-296	1975	52.46	52.26	50.86	50.04	55.21/93	39.77/87	53.43	9/28	DOWN	DOWN	-2.42
Wayne	WN-64	1968	28.71	28.34	26.66	27.44*	29.79/91*	25.09/90*	28.86	9/28	DOWN	DOWN	-1.27*

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.

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Observation wells in the Susquehanna River Basin													
Adams	AD-146	1968	N/D	13.29	11.71	12.67	13.70/88	11.66/71	13.31	9/24	N/D	N/D	N/D
Bedford	BD-150	1965	23.51	20.05	12.61	23.52	36.37/66	11.76/79	24.26	9/25	DOWN	DOWN	0.01
Blair	BA-74	1969	16.84	15.51	12.91	14.27	16.84/97	11.75/79	17.45	9/25	DOWN	DOWN	-2.57
Bradford	BR-92	1966	10.41	11.14	10.83	10.65	11.90/91	7.89/94	10.64	9/29	UP	UP	0.24
Cameron	CM-13	1967	23.78	24.00	24.07	23.86	25.64/72	21.93/88	23.84	9/28	UP	UP	0.08
Clinton	CN-1	1950	50.05	50.68	50.27	51.02	54.51/65	47.75/90	49.88	9/28	UP	UP	0.97
Cumberland	CU-2	1951	26.10	24.85	17.80	25.81	30.12/66	17.80/96	25.71	9/25	DOWN	DOWN	-0.29
Dauphin	DA-350	1964	5.72	5.67	5.04	5.57	6.38/66	4.62/74	5.74	9/28	DOWN	DOWN	-0.15
Franklin	FR-332	1975	25.57	23.92	16.59	29.94	35.34/76	16.59/96	26.70	9/28	DOWN	DOWN	4.37
Huntingdon	HU-301	1969	54.49	54.38	53.13	54.50	55.78/83	53.13/96	54.28	9/29	DOWN	DOWN	0.01
Juniata	JU-351	1968	14.20	14.28	12.36	14.65	15.35/83	12.36/96	14.05	9/25	UP	DOWN	0.45
Lancaster	LN-514	1964	33.17	33.11	33.02	33.08	33.35/81	32.70/71	33.25	9/25	DOWN	DOWN	-0.09
Luzerne	LU-294	1994	34.75	N/D	33.89	33.32	36.08/57	29.92/88	34.78	9/25	N/D	DOWN	-1.43
Lycoming	LY-112	1967	91.29	93.25	88.56	90.05	94.74/95	86.61/79	91.23	9/28	UP	DOWN	-1.24
Mifflin	MF-344	1983	56.51	N/D	N/D	64.27	74.41/83	56.51/97	58.70	9/25	N/D	N/D	7.76
Potter	PO-72	1967	25.91	26.95	30.23	26.00	32.56/91	17.09/92	28.21	9/28	UP	UP	0.09
Snyder	SN-130	1968	18.65	19.31	18.85	19.10	19.43/83	17.55/68	18.74	9/28	UP	UP	0.45
Sullivan	SU-34	1965	28.53	28.77	28.16	28.55	30.34/80	26.14/74	29.23	9/28	UP	DOWN	0.02
Susquehanna	SQ-61	1972	34.39	33.84	32.41	33.72	36.81/82	29.55/94	34.88	9/28	DOWN	DOWN	-0.67
Tioga	TI-100	1972	33.14	33.12	N/D	33.23	34.38/88	31.96/94	33.22	9/22	DOWN	N/D	0.09
Union	UN-51	1967	40.66	40.40	36.64	40.09	41.51/91	36.10/79	40.57	9/26	DOWN	DOWN	-0.57

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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.

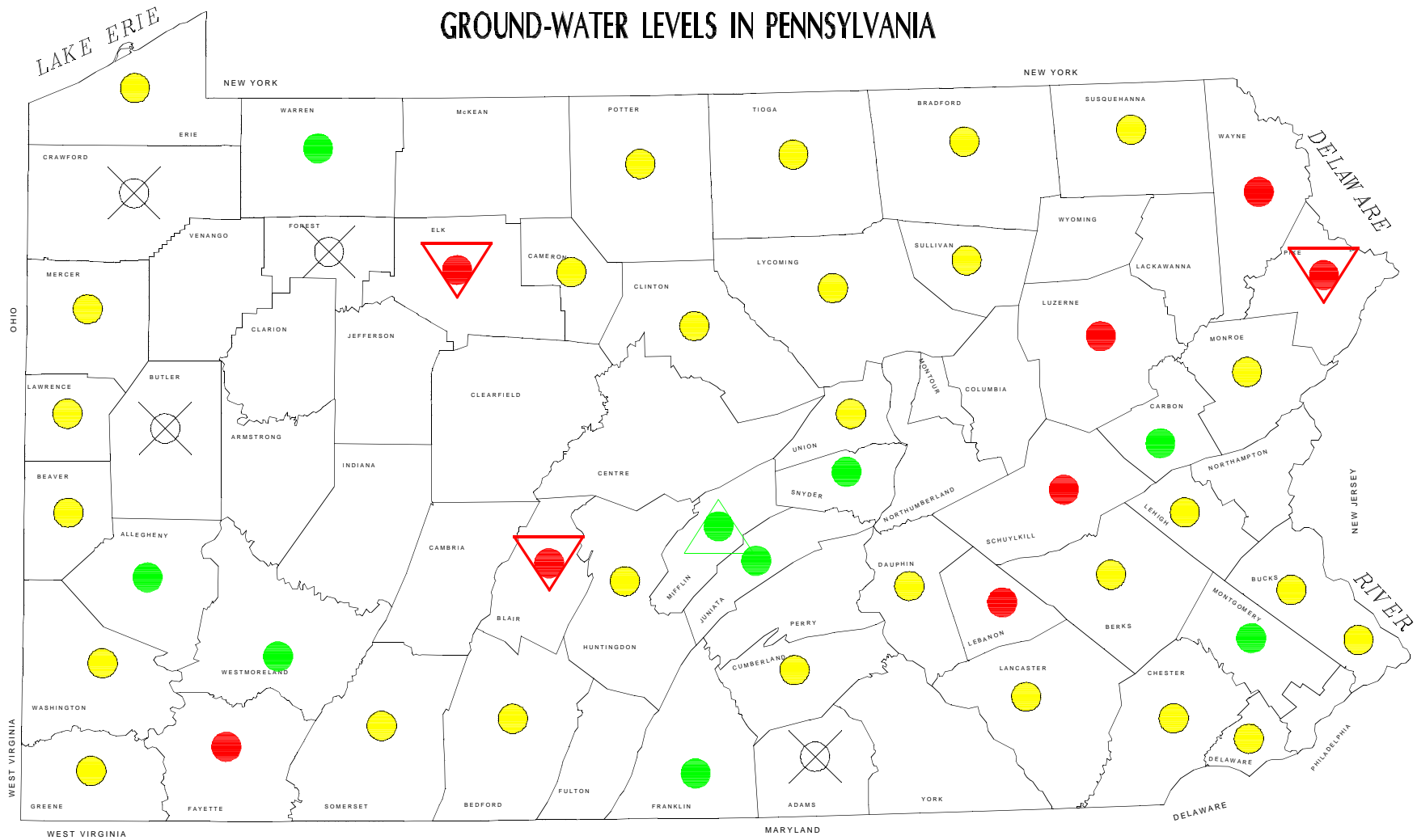
* Estimated values for well LU-294 are based on data from nearby discontinued well LU-243.

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

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

GROUND-WATER LEVELS IN PENNSYLVANIA



SEPTEMBER 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.

