

## WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK DECEMBER 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	6.36	6.78	5.72	6.98	8.12/68	5.68/90	6.75	12/31	UP	DOWN	0.62
Beaver	BV-156	1967	8.51	8.91	8.19	9.05	10.42/67	8.19/96	8.53	12/19	UP	DOWN	0.54
Butler	BT-311	1970	5.07	20.32	3.10	9.38	25.81/89	3.10/96	4.25	12/20	UP	DOWN	4.31
Crawford	CW-413	1967	54.45	54.74	47.65	48.67*	54.45/97*	40.37/81*	53.33	12/22	UP	DOWN	-5.78*
Elk	EK-108	1975	6.31**	6.91**	8.81**	4.51	8.81/96	2.57/90	6.10**	12/20	UP	UP	-1.80**
Erie	ER-82	1966	18.12	19.14	N/D	18.50*	19.88/91*	17.37/86*	17.84	12/29	UP	N/D	0.38*
Fayette	FA-17	1968	22.01	23.51	20.81	22.34	23.29/91	20.79/86	21.18	12/18	UP	DOWN	0.33
Forest	FO-11	1974	8.31	9.69	7.98	8.85	9.60/91	7.98/96	8.40	12/21	UP	DOWN	0.54
Green	GR-118	1973	29.15	37.52	23.28	33.03	43.73/87	23.22/93	29.74	12/19	UP	DOWN	3.88
Lawrence	LA-1201	1967	15.71	16.54	15.96	15.97	18.98/91	14.53/72	16.01	12/31	UP	UP	0.26
Mercer	MR-1364	1964	N/D	N/D	2.88	3.86	5.22/80	2.45/68	N/D	N/D	N/D	N/D	N/D
Somerset	SO-2	1937	33.84	34.30	32.51	33.83*	35.99/91*	32.51/96*	33.70	12/19	UP	DOWN	-0.01*
Warren	WR-50	1972	41.18	42.26	40.47	42.61	44.34/91	40.34/90	41.02	12/31	UP	DOWN	1.43
Washington	WS-155	1971	35.92	36.19	35.47	35.23	36.13/88	34.17/78	36.01	12/19	UP	DOWN	-0.69
Westmoreland	WE-300	1968	16.25	17.68	14.92	17.17	20.34/68	14.92/90	15.76	12/15	UP	DOWN	0.92
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	139.05	138.32	121.06	134.21	140.70/81	121.10/96	139.46	12/31	DOWN	DOWN	-4.84
Bucks	BK-929	1967	47.55	47.94	41.71	44.18*	47.55/97*	41.22/89*	47.22	12/28	UP	DOWN	-3.37*
Bucks	BK-1020	1975	38.98	39.25	N/D	33.83	40.57/84	28.20/93	37.78	12/31	UP	N/D	-5.15
Carbon	CB-104	1969	51.68	69.10	N/D	43.45	61.91/78	28.85/93	47.80	12/31	UP	N/D	-8.23
Chester	CH-10	1966	14.41	14.22	8.70	12.83	15.16/69	8.70/96	14.06	12/31	DOWN	DOWN	-1.58
Delaware	DE-723	1983	N/D	7.77	3.34	6.41	7.09/87	3.34/96	7.93	12/18	N/D	N/D	N/D
Lebanon	LB-372	1973	10.95	10.88	6.52	8.77	11.11/81	6.52/96	10.76	12/31	DOWN	DOWN	-2.18
Lehigh	LE-644	1971	77.87	75.53	45.45	63.02	84.31/81	45.45/96	77.30	12/31	DOWN	DOWN	-14.85
Monroe	MO-190	1968	10.64	11.95	7.98	10.09	15.66/80	7.98/96	10.89	12/31	UP	DOWN	-0.55
Montgomery	MG-225	1956	16.79	17.47	10.95	29.79	55.00/63	10.95/96	16.98	12/18	UP	DOWN	13.00
Pike	PI-200	1981	68.01	71.72	47.94	41.30	68.01/97	31.33/86	61.03	12/31	UP	DOWN	-26.71
Schuylkill	SC-296	1975	50.53	51.86	38.89	44.72	54.22/80	37.05/90	49.60	12/31	UP	DOWN	-5.81
Wayne	WN-64	1968	27.53	28.68	21.95	24.85*	28.16/91*	21.95/96*	27.11	12/31	UP	DOWN	-2.68*

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	11.90	12.14	11.33	11.71	12.61/88	11.33/96	11.78	12/31	UP	DOWN	-0.19
Bedford	BD-150	1965	18.41	23.66	3.60	21.62	39.43/65	3.60/96	18.30	12/24	UP	DOWN	3.21
Blair	BA-74	1969	14.30	15.75	12.02	12.50	15.85/69	10.94/90	14.00	12./29	UP	DOWN	-1.80
Bradford	BR-92	1966	8.61	9.99	3.59	7.91	10.83/80	3.59/96	8.73	12/29	UP	DOWN	-0.70
Cameron	CM-13	1967	23.01	23.27	22.94	23.16	24.17/72	22.53/70	23.10	12/31	UP	DOWN	0.15
Clinton	CN-1	1950	48.04	48.94	46.73	49.51	53.59/65	46.73/96	48.20	12/31	UP	DOWN	1.47
Cumberland	CU-2	1951	22.05	25.02	13.14	24.37	31.09/64	13.14/96	22.03	12/23	UP	DOWN	2.32
Dauphin	DA-350	1964	4.70	5.00	4.00	4.62	5.42/80	3.74/90	4.73	12/31	UP	DOWN	-0.08
Franklin	FR-332	1975	19.91	20.37	15.49	27.69	32.64/78	15.49/96	20.36	12/31	UP	DOWN	7.78
Huntingdon	HU-301	1969	53.25	53.78	52.60	53.61	55.13/81	51.12/72	53.29	12/31	UP	DOWN	0.36
Juniata	JU-351	1968	12.90	12.79	12.30	13.20	13.90/69	12.30/96	12.99	12/24	DOWN	DOWN	0.30
Lancaster	LN-514	1964	33.20	33.11	26.47	31.95	33.40/81	26.47/96	33.19	12/24	DOWN	DOWN	-1.25
Luzerne	LU-294	1994	34.12	35.03	N/D	31.90	36.19/64	29.55/72	34.09	12/24	UP	N/D	-2.22
Lycoming	LY-112	1967	88.42	87.19	85.87	87.38	90.31/80	85.38/77	86.51	12/30	DOWN	DOWN	-1.04
Mifflin	MF-344	1983	51.00	44.94	N/D	51.18	60.10/88	42.16/93	51.97	12/29	DOWN	N/D	0.18
Potter	PO-72	1967	18.16	16.15	14.95	18.15	22.00/80	12.75/67	18.78	12/31	DOWN	DOWN	-0.01
Snyder	SN-130	1968	18.38	18.40	18.36	18.66	19.25/89	17.92/71	18.47	12/31	UP	DOWN	0.28
Sullivan	SU-34	1965	26.51	27.02	23.23	25.48	27.27/80	23.12/90	25.92	12/31	UP	DOWN	-1.03
Susquehanna	SQ-61	1972	32.49	34.97	26.85	28.85	35.09/80	25.17/86	31.08	12/31	UP	DOWN	-3.64
Tioga	TI-100	1972	32.47	33.03	31.53	32.88	34.53/88	31.53/96	32.60	12/21	UP	DOWN	0.41
Union	UN-51	1967	37.18	38.99	34.10	37.55	42.08/80	34.10/96	38.26	12/31	UP	DOWN	0.37

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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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