

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK MAY 1998

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	5.17	5.49	5.47	6.01	6.90/69	5.17/98	5.92	5/28	UP	UP	0.84
Beaver	BV-156	1967	7.83	7.99	8.30	8.67	9.99/73	7.83/98	8.04	5/21	UP	UP	0.84
Butler	BT-311	1970	3.15	3.24	3.35	5.74	12.87/71	2.77/96	3.85	5/20	UP	UP	2.59
Crawford	CW-413	1967	47.37	49.10	48.90	49.03*	52.73/92*	46.62/91*	48.07	5/20	UP	UP	1.66*
Elk	EK-108	1975	5.47**	5.70**	6.01**	3.81	6.01/97**	2.57/90	5.20**	5/20	UP	UP	-1.66**
Erie	ER-82	1966	NDR	19.19	18.31	19.15*	20.94/93*	17.46/96*	NDR	NDR	NDR	NDR	NDR
Fayette	FA-17	1968	21.19	21.02	21.95	22.55	23.19/77	19.81/96	21.94	5/27	DOWN	UP	1.36
Forest	FO-11	1974	8.00	7.97	7.80	8.72	9.59/85	7.80/97	8.20	5/22	DOWN	DOWN	0.72
Green	GR-118	1973	26.58	25.96	23.84	31.18	36.64/88	23.18/96	26.64	5/21	DOWN	DOWN	4.60
Lawrence	LA-1201	1967	15.20	15.11	16.41	16.38	17.57/85	14.27/78	17.06	5/28	DOWN	UP	1.18
Mercer	MR-1364	1964	1.66	N/D	2.80	4.11	5.25/82	1.66/98	2.18	5/20	N/D	UP	2.45
Somerset	SO-2	1937	32.76	32.90	32.32	32.73*	33.46/92*	32.01/94*	32.79	5/22	UP	DOWN	-0.03*
Warren	WR-50	1972	39.27	39.81	39.61	41.40	43.11/77	39.27/98	40.42	5/28	UP	UP	2.13
Washington	WS-155	1971	35.53	35.90	35.67	35.50	36.28/72	34.65/83	35.97	5/21	UP	UP	-0.03
Westmoreland	WE-300	1968	13.92	14.45	15.41	16.12	22.78/68	13.92/98	14.01	5/16	UP	UP	2.20
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	127.67	130.47	127.20	125.84	137.20/92	115.50/94	127.23	5/31	UP	DOWN	-1.83
Bucks	BK-929	1967	41.12	41.65	41.03	41.55*	43.31/92*	39.93/90*	41.66	5/27	UP	DOWN	0.43*
Bucks	BK-1020	1975	26.30	27.03	30.44	31.16	35.52/85	26.30/98	27.97	5/31	UP	UP	4.86
Carbon	CB-104	1969	39.32	36.32	48.72	42.14	56.64/95	33.52/79	49.72	5/31	DOWN	UP	2.82
Chester	CH-10	1966	10.97	10.82	10.90	12.20	14.02/81	9.79/84	11.90	5/31	DOWN	DOWN	1.23
Delaware	DE-723	1983	6.39	6.36	6.09	6.12	7.17/95	5.05/83	6.62	5/26	DOWN	DOWN	-0.27
Lebanon	LB-372	1973	7.02	7.33	8.86	8.26	9.76/81	6.96/84	7.46	5/31	UP	UP	1.24
Lehigh	LE-644	1971	51.61	54.88	51.99	54.59	75.51/92	39.97/84	50.79	5/31	UP	UP	2.98
Monroe	MO-190	1968	8.24	8.14	9.63	9.15	10.37/95	8.17/84	9.04	5/31	DOWN	UP	0.91
Montgomery	MG-225	1956	9.29	11.58	15.58	24.40	49.18/63	9.29/98	12.09	5/26	UP	UP	15.11
Montgomery	MG-917	1997	8.06	8.14	N/D	N/D	N/D	N/D	8.78	5/27	UP	N/D	N/D
Pike	PI-200	1981	61.65	68.01	60.62	45.65	64.80/95	31.36/84	82.39	5/31	UP	DOWN	-16.00
Schuylkill	SC-296	1975	42.32	43.59	48.39	43.42	50.50/95	34.25/89	47.89	5/31	UP	UP	1.10
Wayne	WN-64	1968	22.49	22.89	22.40	23.03*	24.65/92*	22.03/88*	25.20	5/31	UP	DOWN	0.54*

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 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	11.41	11.64	12.26	11.95	12.39/69	11.26/90	12.42	5/31	UP	UP	0.54
Bedford	BD-150	1965	-0.58	2.24	11.10	9.91	35.20/69	-0.58/98	1.16	5/24	UP	UP	10.49
Blair	BA-74	1969	12.63	12.65	12.77	12.00	14.19/92	10.36/89	13.99	5/28	UP	UP	-0.63
Bradford	BR-92	1966	5.36	4.16	9.34	7.58	9.83/81	3.64/83	7.85	5/31	DOWN	UP	2.22
Cameron	CM-13	1967	22.33	22.72	23.18	23.19	24.15/93	22.33/98	22.41	5/31	UP	UP	0.86
Clinton	CN-1	1950	45.61	46.33	48.14	47.97	49.71/65	45.61/98	46.49	5/31	UP	UP	2.36
Cumberland	CU-2	1951	11.20	12.18	19.41	16.11	20.51/69	11.20/98	12.99	5/28	UP	UP	4.91
Dauphin	DA-350	1964	4.08	4.26	5.10	4.60	5.24/65	3.81/90	4.85	5/31	UP	UP	0.52
Franklin	FR-332	1975	15.45	16.21	17.55	26.35	31.69/76	15.45/98	16.71	5/31	UP	UP	10.90
Huntingdon	HU-301	1969	51.82	52.67	53.78	53.42	54.61/82	51.76/73	54.14	5/31	UP	UP	1.60
Juniata	JU-351	1968	NDR	12.43	12.92	13.01	13.85/77	12.45/96	NDR	NDR	NDR	NDR	NDR
Lancaster	LN-514	1964	26.79	27.61	33.07	31.77	33.35/69	26.79/98	26.93	5/27	UP	UP	4.98
Luzerne	LU-294	1994	31.38	31.25	32.18	31.61	33.76/62	29.36/89	32.30	5/26	DOWN	UP	0.23
Lycoming	LY-112	1967	85.99	86.56	90.24	88.33	90.26/92	85.77/83	89.12	5/31	UP	UP	2.34
Mifflin	MF-344	1983	N/D	44.56	57.61	52.53	57.73/95	42.55/89	49.97	5/28	N/D	N/D	N/D
Potter	PO-72	1967	15.65	14.78	17.80	17.79	25.45/85	11.60/68	23.68	5/31	DOWN	UP	2.14
Snyder	SN-130	1968	18.19	18.38	19.24	18.87	19.24/77	18.19/98	18.96	5/31	UP	UP	0.68
Sullivan	SU-34	1965	25.68	24.84	27.56	26.37	28.12/95	23.51/89	27.96	5/30	DOWN	UP	0.69
Susquehanna	SQ-61	1972	29.11	29.09	27.61	28.20	31.64/82	25.11/84	30.31	5/31	DOWN	DOWN	-0.91
Tioga	TI-100	1972	31.34	31.66	32.44	32.45	33.15/89	31.34/98	31.36	5/22	UP	UP	1.11
Union	UN-51	1967	32.52	34.87	39.12	36.99	39.12/97	32.52/98	36.70	5/31	UP	UP	4.47

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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.
- 2) Well MG-917 is not shown on map because insufficient years of record have been collected to establish norms.

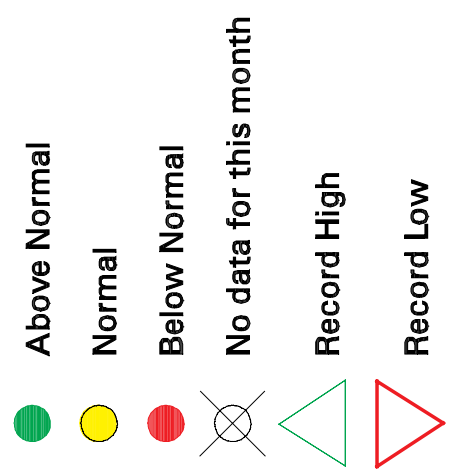
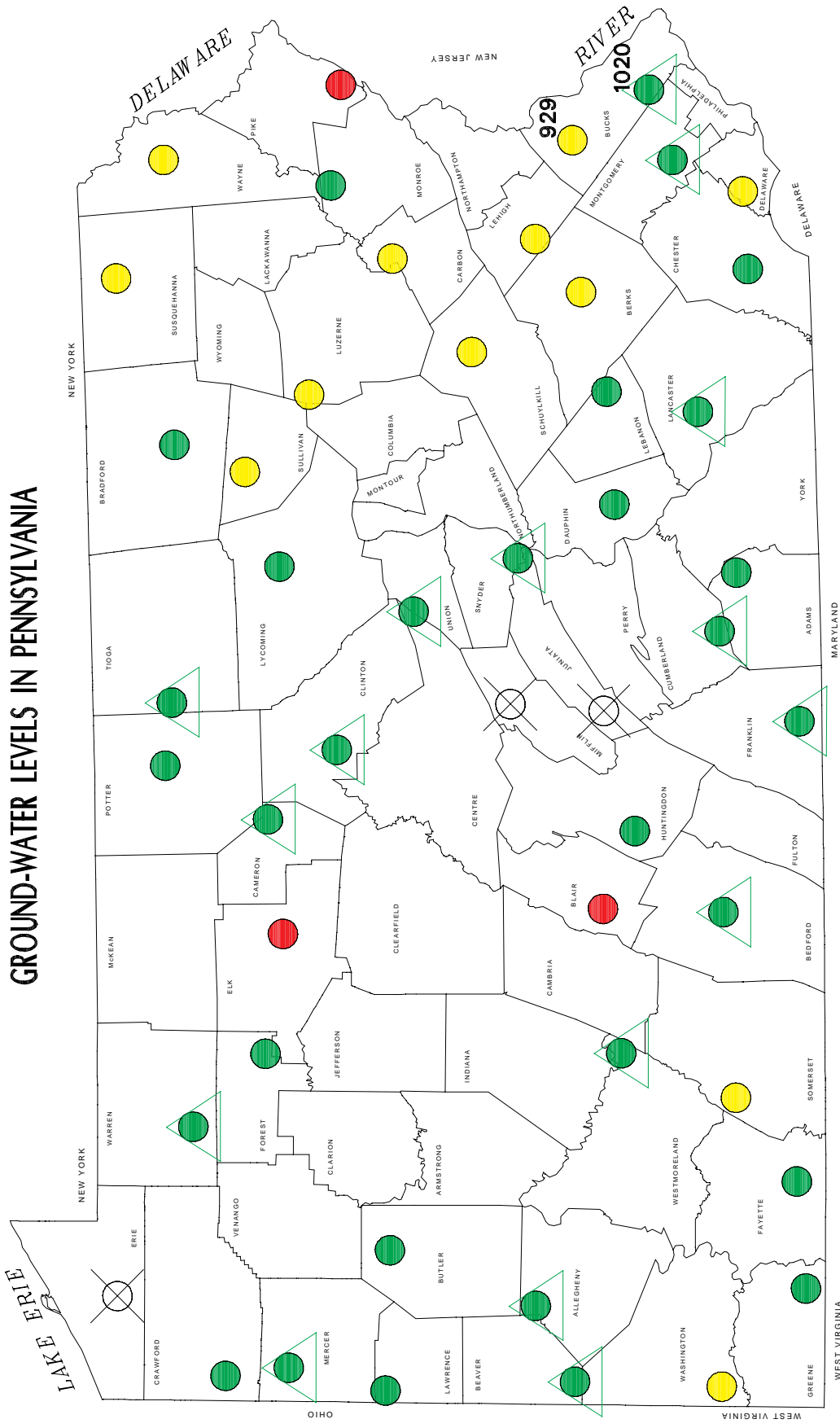
* Estimated values for well LU-294 are based on data from nearby discontinued well LU-243.

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

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GROUND-WATER LEVELS IN PENNSYLVANIA



May 1998

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.