



Monthly Ground-Water Conditions in Pennsylvania

SEPTEMBER 2001

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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 SEPTEMBER 2001

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	8.48	8.35	8.13	7.62	8.55/69	6.40/90	8.59	9/30	DOWN	DOWN	-0.86
Beaver	BV-156	1967	9.48	9.40	N/D	9.81	11.60/73	8.85/92	9.59	9/30	DOWN	N/D	.33
Butler	BT-311	1970	25.46	24.09	17.08	21.07	29.06/83	6.89/90	24.92	9/30	DOWN	DOWN	-4.39
Crawford	CW-413	1967	54.43	53.33	53.07	52.47*	54.99/83*	45.73/87*	54.74	9/30	DOWN	DOWN	-1.96*
Elk	EK-108	1975	7.18	6.83	6.79	5.28	7.59/99	2.75/90	7.23	9/30	DOWN	DOWN	-1.19
Erie	ER-82	1966	21.37	21.62	19.29	21.12*	24.04/98*	18.63/92*	21.26	9/30	UP	DOWN	-.25*
Fayette	FA-17	1968	23.35	23.33	22.90	23.17	23.96/93	22.41/96	23.20	9/30	DOWN	DOWN	-.18
Forest	FO-11	1974	10.59	10.67	9.87	10.21	11.84/82	8.74/92	10.38	9/30	UP	DOWN	-.38
Green	GR-118	1973	35.37	29.53	33.08	35.97	47.62/99	25.81/96	35.68	9/30	DOWN	DOWN	.60
Lawrence	LA-1201	1967	18.64	18.28	17.99	17.60	19.11/95	15.37/75	18.81	9/30	DOWN	DOWN	-1.04
Mercer	MR-1364	1964	N/D	4.13+	2.88	4.37	5.72/82	2.32/99	4.07+	9/22	N/D	N/D	N/D
Somerset	SO-2	1937	34.11^	33.26^	36.31	34.92*	40.11/99*	32.95/96*	34.37	9/21	DOWN	UP	.81*
Warren	WR-50	1972	43.12	42.78	43.35	43.56	44.96/78	41.16/87	43.30	9/30	DOWN	UP	.44
Washington	WS-155	1971	36.83	36.69	36.56	36.29	37.59/71	34.24/75	36.71	9/30	DOWN	DOWN	-.54
Westmoreland	WE-300	1968	18.03	16.65	16.46	18.37	24.26/68	15.85/90	18.22	9/30	DOWN	DOWN	.34
Observation wells in the Delaware River Basin													
Berks	BE-623	1975	137.40	135.36	137.18	134.46	139.60/81	123.90/84	137.80	9/30	DOWN	DOWN	-2.94
Bucks	BK-929	1967	45.33	44.10	45.24	46.51*	48.75/95*	42.62/89*	45.68	9/30	DOWN	DOWN	1.18*
Bucks	BK-1020	1975	36.64	34.01	30.34	35.56	40.66/85	30.34/00	37.66	9/30	DOWN	DOWN	-1.08
Carbon	CB-104	1969	55.17	55.89	73.36	69.81	83.13/93	29.33/87	44.22	9/30	UP	UP	14.64
Chester	CH-10	1966	15.14	14.74	13.86	13.83	15.77/95	11.23/89	15.15	9/30	DOWN	DOWN	-1.31
Delaware	DE-723	1983	7.36	7.23	7.22	7.35	8.77/95	6.20/96	7.23	9/30	DOWN	DOWN	-.01
Lebanon	LB-372	1973	10.91	10.55	9.57	9.68	10.84/91	8.29/76	10.83	9/30	DOWN	DOWN	-1.23
Lehigh	LE-644	1971	72.68	68.05	72.49	66.17	80.01/81	47.39/84	72.71	9/30	DOWN	DOWN	-6.51
Monroe	MO-190	1968	14.36	13.48	12.23	13.10	16.12/93	9.78/87	14.16	9/30	DOWN	DOWN	-1.26
Montgomery	MG-917	1997	10.89	10.31	9.27	10.25	10.82/99	9.27/00	10.63	9/30	DOWN	DOWN	-.64
Pike	PI-200	1981	64.51	75.13	84.33	59.91	96.04/98	36.66/90	57.68	9/30	UP	UP	-4.60
Schuylkill	SC-296	1975	54.44	55.02	52.79	50.36	55.21/93	39.77/87	53.27	9/30	UP	DOWN	-4.08
Wayne	WN-64	1968	29.69	29.34	27.71	27.80*	29.92/99*	25.09/90*	29.67	9/30	DOWN	DOWN	-1.89*

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.

Note: Water levels from well MG-225 are being collected but not reported in this monthly summary, because they are not comparable to historical levels due to changes in ground-water pumping.

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK SEPTEMBER 2001

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	13.32	13.25	12.30	12.67	13.70/88	11.66/71	12.99	9/30	DOWN	DOWN	-0.65
Bedford	BD-150	1965	NDR	25.67	N/D	23.75	36.37/66	11.76/79	NDR	NDR	NDR	NDR	NDR
Blair	BA-74	1969	15.65	15.06	15.75	14.54	17.14/97	11.75/79	15.68	9/30	DOWN	UP	-1.11
Bradford	BR-92	1966	9.91	10.90	11.09	10.71	11.90/91	7.89/94	7.62	9/30	UP	UP	.80
Cameron	CM-13	1967	23.65	23.94	24.11	23.89	25.64/72	21.93/88	23.59	9/30	UP	UP	.24
Clinton	CN-1	1950	51.59	51.56	51.74	51.09	54.51/65	47.75/90	51.16	9/30	DOWN	UP	-.50
Cumberland	CU-2	1951	28.68	26.13	24.82	25.92	30.12/66	17.80/96	29.56	9/30	DOWN	DOWN	-2.76
Dauphin	DA-350	1964	5.97	5.88	5.66	5.57	6.38/66	4.62/74	5.88	9/30	DOWN	DOWN	-.40
Franklin	FR-332	1975	Discontinued										
Huntingdon	HU-301	1969	55.37	55.30	55.21	54.54	55.78/83	53.13/96	55.17	9/30	DOWN	DOWN	-.83
Juniata	JU-351	1968	15.11	14.94	13.32	14.56	15.35/83	12.36/96	15.05	9/30	DOWN	DOWN	-.55
Luzerne	LU-294	1994	35.04	34.96	33.46	34.80	35.94/95	33.46/00	34.57	9/30	DOWN	DOWN	-.24
Lycoming	LY-112	1967	102.59 ^{^^}	104.69 ^{^^}	105.33	91.21	105.30/00	86.61/79	101.17 ^{^^}	9/30	UP	UP	-11.38
Mifflin	MF-344	1983	64.92	62.88	56.18	62.50	74.41/83	56.18/00	64.26	9/30	DOWN	DOWN	-2.42
Potter	PO-72	1967	30.49	30.72	30.06	26.56	32.56/91	17.09/92	29.19	9/30	UP	DOWN	-3.93
Snyder	SN-130	1968	19.30	19.27	19.15	19.08	19.43/83	17.55/68	19.14	9/30	DOWN	DOWN	-.22
Sullivan	SU-34	1965	27.61	29.41	29.22	28.59	30.34/80	26.14/74	24.98	9/30	UP	UP	.98
Susquehanna	SQ-61	1972	32.51	32.16	34.82	33.84	36.81/82	29.55/94	30.98	9/30	DOWN	UP	1.33
Tioga	TI-100	1972	32.75	33.09	32.27	33.14	34.38/88	31.96/94	32.19	9/30	UP	DOWN	.39
Union	UN-51	1967	40.95	40.35	40.62	40.15	41.51/91	36.10/79	41.05	9/30	DOWN	DOWN	-.80

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^{^^} 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:

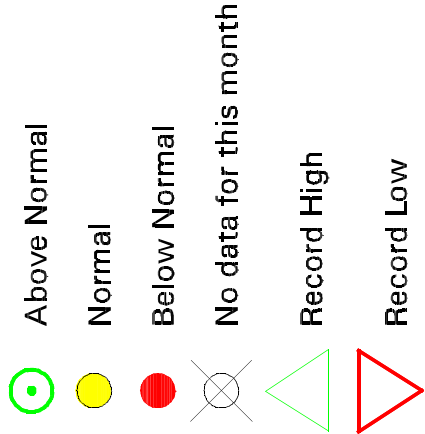
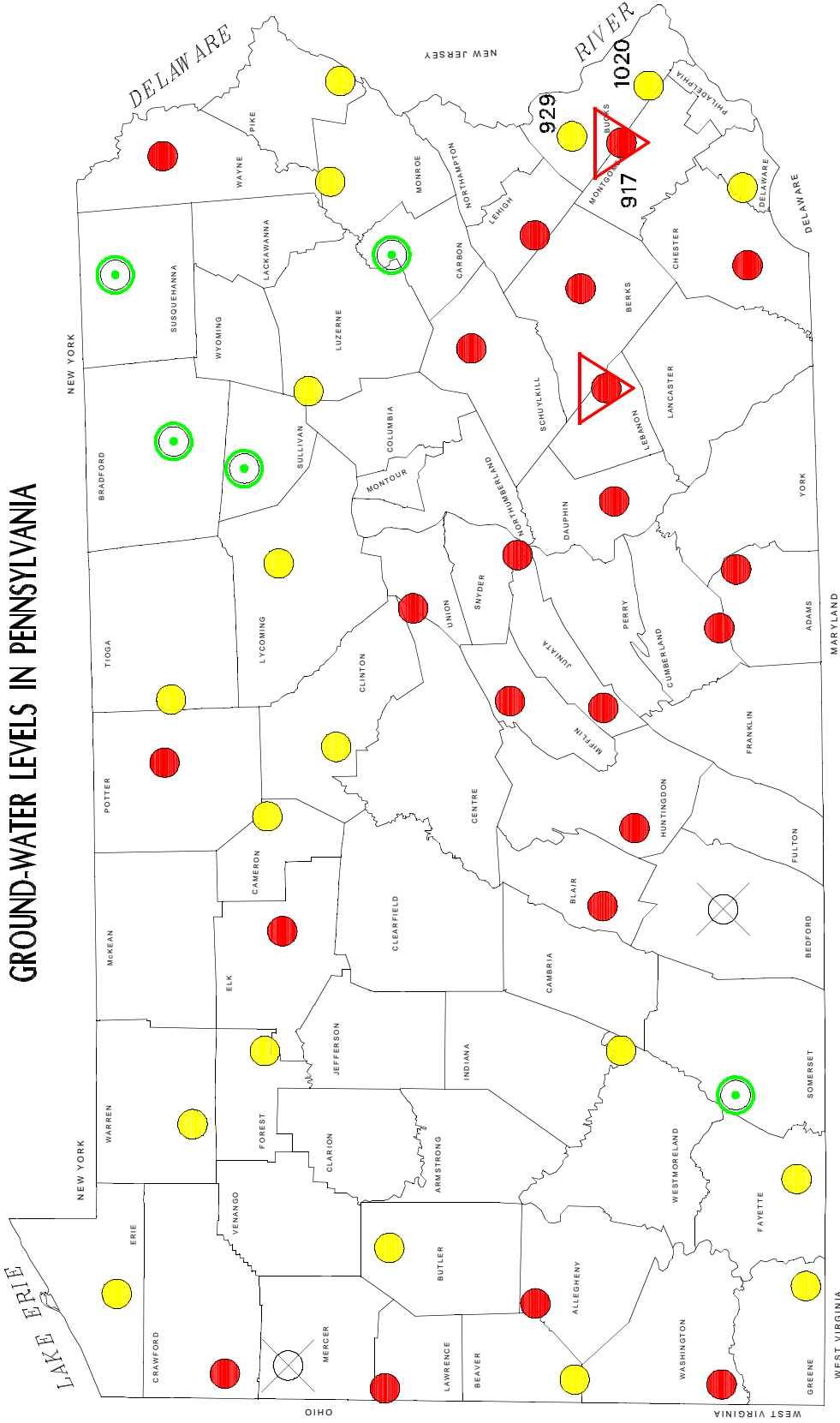
- 1) Continuous water-level records for wells CE-118 (Centre County), BD-654 (Bedford County), and PH-12 (Philadelphia County) are being collected but are not reported in the monthly summary because they are not used for drought monitoring.
- 2) The LN-514 well (Lancaster County) has been discontinued.
- 3) The FR-332 well (Franklin County) has been discontinued.

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

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GROUND-WATER LEVELS IN PENNSYLVANIA



SEPTEMBER 2001

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.