

Monthly Ground-Water Conditions in Pennsylvania SEPTEMBER 2001

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U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY 215 Limekiln Road New Cumberland, PA 17070

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK SEPTEMBER 2001

County Well Well Well Well Well This Unstant This Well We			record	Mean depth to water below land surface, in feet										Departure
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	County					month last	month, for all	for this month/ year of	for this month/ year of	recorded water	last recorded water	from last	from last	from mean for all years,
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 3.3	Observation wells in the Ohio River Basin													
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	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
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-82 196 21.37 21.62 19.29 21.12* 24.04/98* 18.63/92* 21.26 9/30 DOWN DOWN -1.19 Forest FO-11 1974 10.59 10.67 9.87 10.21 11.84/82 8.74/92 10.38 9/30 DOWN 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 -0.00 Lawrence LA-1201 1967 18.64 18.28 17.99 17.60 19.11/95 15.37/75 18.81 9/30 DOWN DOWN 10.	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
Elik 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 -2.5* Fayette FA-17 1968 23.35 23.33 22.90 23.17 23.96/93 22.41/96 23.20 9/30 DOWN DOWN -3.8 Forest FO-11 1974 10.59 10.67 9.87 10.21 11.84/82 8.74/92 10.38 9/30 DOWN DOWN -3.8 Green GR-118 1973 35.37 29.53 33.08 35.97 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	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
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*	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*
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 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	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
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	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*
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 .60 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 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 DOWN .54 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 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 DOWN DOWN .01 Lebanon LB-372 1973 10.91 10.55 9.57 9.68 10.84/91 82.99/66 7.23 9/30 DOWN DOWN .01 Lebanon MO-190 1968 14.36 13.48 12.23 13.10 16.12/99 9.27/00 10.63 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 JP -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	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
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 DOWN DOWN -54 Washington WS-155 1971 36.83 36.69 36.56 36.29 37.59/71 34.24/75 36.71 9/30 DOWN 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	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
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 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	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
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 .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 Bucks BE-623 1975 45.33 44.10 45.24 46.51* 48.75/95* 42.62/89	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
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 Rever Basin Observation wells in the Delaware Rever 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	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
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 54 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 P.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 71.08 Carbon CB-104 1969 55.17 55.89 73.36 69.81 83.13/93	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*
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	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
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	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
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 -0.131 Delaware DE-723 1983 7.36 7.23 7.22 7.35 8.77/95 6.20/96 7.23 9/30 DOWN DOWN	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
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 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 -0.01 Lebanon LB-372 1973 10.91 10.55 9.57 9.68 10.84/91 8.29/76 10.83 9/30 DOWN DOWN					Ob	servation	wells in th	ne Delaware F	River Basin					
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 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 DOWN -0.01 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 </td <td>Berks</td> <td>BE-623</td> <td>1975</td> <td>137.40</td> <td>135.36</td> <td>137.18</td> <td>134.46</td> <td>139.60/81</td> <td>123.90/84</td> <td>137.80</td> <td>9/30</td> <td>DOWN</td> <td>DOWN</td> <td>-2.94</td>	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
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 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 DOWN -0.01 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 <td>Bucks</td> <td>BK-929</td> <td>1967</td> <td>45.33</td> <td>44.10</td> <td>45.24</td> <td>46.51*</td> <td>48.75/95*</td> <td>42.62/89*</td> <td>45.68</td> <td>9/30</td> <td>DOWN</td> <td>DOWN</td> <td>1.18*</td>	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*
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 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 DOWN 01 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 -6.4 Montgomery MG-917 1997 10.89 10.31 9.27 10.25 10.82/99 9.27/00 10.63 9/30 DOWN	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
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 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 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 -6.51 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 <td>Carbon</td> <td>CB-104</td> <td>1969</td> <td>55.17</td> <td>55.89</td> <td>73.36</td> <td>69.81</td> <td>83.13/93</td> <td>29.33/87</td> <td>44.22</td> <td>9/30</td> <td>UP</td> <td>UP</td> <td>14.64</td>	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
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 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 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	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
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 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 -6.4 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	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
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	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
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	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
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	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
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	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
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*	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.

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.

^{*} 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 man

WATER LEVELS FROM PENNSYLVANIA OBSERVATION-WELL NETWORK SEPTEMBER 2001

County	Well number	Year record began	Mean depth to water below land surface, in feet										Departure
			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	Last recorded water level	Date of last recorded water level	Trend from last month	Trend from last year	from mean for all years, in feet
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	Discontin	nued	•								
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

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

Objects the desired to the second terms of the second seco

Shaded block indicates this month is a new recorded maximum or minimum

Year refers to water year, October 1 - September 30.

^ 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:

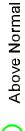
Dennis Risser, Ground-Water Program Coordinator, USGS, New Cumberland, PA (717) 730-6911 Naomi Weisbeker, Hydrologic Technician, USGS, New Cumberland, PA (717) 730-6937

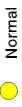
DELAW ARE MEW JERSEY \odot NEW YORK \odot ledownGROUND-WATER LEVELS IN PENNSYLVANIA MARYLAND ADAMS TIOGA POTTER CENTRE CLEARFIELD NEW YORK ERIE LAKE ERIE WEST VIRGINIA LAWRENCE BEAVER GREENE WEST VIRGINIA

SEPTEMBER 2001

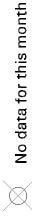
MEAN WATER LEVELS IN OBSERVATION WELLS

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.





Below Normal









Record Low