

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
PENNSYLVANIA WATER-QUALITY NETWORK**

The Pennsylvania Water-Quality Network (WQN) is a statewide, fixed station water-quality sampling system currently operated by the Department of Environmental Protection (PaDEP), Bureau of Water Supply and Wastewater Management in cooperation with the United States Geological Survey (USGS). It is designed to assess both the quality of Pennsylvania's surface waters and the effectiveness of the water quality management program by accomplishing three basic objectives:

- \* Monitor temporal water-quality trends in major surface streams throughout the Commonwealth of Pennsylvania.
- \* Monitor temporal water-quality trends in selected reference waters.

Major streams are defined as interstate waters and intrastate streams with drainage areas of roughly 200 mi<sup>2</sup> or greater. These waters are sampled at or near their mouths to measure overall quality before flows enter the next higher order stream or before exiting the Commonwealth. In this way, trends can be established and the effectiveness of water-quality management programs can be assessed by watershed. Samples are collected on fixed time intervals resulting in coverage of a range of flow regimes. All samples collected from April 1, 2002 through September 30, 2002 were collected by the USGS and analyzed by the PaDEP laboratory in Harrisburg.

Most of the current WQN standard sites are co-located with USGS gage stations and others are equipped with a wire weight gage. Currently the network consists of 123 standard stream sites, and 27 reference stream sites distributed across the Commonwealth. This report contains only those sites in the Delaware River basin. The locations of these sites can be found in figures 6-9. Other data for the WQN can be found in the annual Water Data Reports PA-02-2 and PA-02-3.

Standard stations are sampled bimonthly for physical and chemical parameters and stream discharge or a stage reading. Reference stations are sampled monthly for physical and chemical parameters and stream discharge or a stage reading.

For additional information, contact Andrew Reif at the U.S. Geological Survey, 111 Great Valley Parkway, Malvern, PA 19355; 610-647-9008, (email: agreif@usgs.gov).

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
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**TABLE 3.--**Pennsylvania Water-Quality Network (WQN) station list.

Station number	WQN No.	Location	Latitude	Longitude	Drainage area (mi <sup>2</sup> )
01426500	104	West Branch Delaware River at Hale Eddy, NY	42° 00' 11"	75° 23' 02"	595
<sup>a</sup> 01427510	185	Delaware River at Callicoon, NY	41° 45' 24"	75° 03' 28"	1,820
01429301	336	Dyberry Creek at Tanners Falls near Dyberry, PA	41° 39' 11"	75° 16' 55"	46.4
01431600	141	Wallenpaupack Creek at East Sterling, PA	41° 20' 10"	75° 20' 25"	69.5
01432119	147	Lackawaxen River at mouth at Lackawaxen, PA	41° 29' 12"	74° 59' 31"	597
<sup>a</sup> 01434000	103	Delaware River at Port Jervis, NY	41° 22' 14"	74° 41' 52"	3,070
01438760	192	Adams Creek near Dingmans Ferry, PA	41° 14' 22"	74° 52' 02"	8.2
<sup>a</sup> 01439500	139	Bush Kill at Shoemakers, PA	41° 05' 17"	75° 02' 17"	117
01440650	138	Brodhead Creek near East Stroudsburg, PA	41° 02' 10"	75° 12' 34"	121
<sup>a</sup> 01442500	137	Brodhead Creek at Minisink Hills, PA	40° 59' 55"	75° 08' 35"	259
<sup>a</sup> 01446500	148	Delaware River at Belvidere, NJ	40° 49' 36"	75° 05' 02"	4,535
01447300	190	Choke Creek near Thornhurst, PA	41° 09' 40"	75° 36' 10"	8.06
<sup>a</sup> 01447500	126	Lehigh River at Stoddartsville, PA	41° 07' 49"	75° 37' 33"	91.7
<sup>a</sup> 01447720	142	Tobyhanna Creek near Blakeslee, PA	41° 05' 05"	75° 36' 21"	118
01449375	191	Wild Creek above Penn Forest Reservoir near Kresgeville, PA	40° 56' 24"	75° 35' 04"	5.4
01451070	125	Lehigh River at Treichlers, PA	40° 44' 03"	75° 32' 28"	928
01452040	130	Jordan Creek at mouth at Allentown	40° 36' 06"	75° 27' 43"	82.3
<sup>a</sup> 01454700	123	Lehigh River at Glendon, PA	40° 40' 09"	75° 14' 12"	1,359
01457790	187	Cooks Creek at Durham Furnace, PA	40° 34' 56"	75° 12' 20"	29.4
01458900	186	Tinicum Creek near Ottsville, PA	40° 28' 14"	75° 08' 13"	14.7
<sup>a</sup> 01463500	101	Delaware River at Trenton, NJ	40° 13' 18"	74° 46' 42"	6,780
<sup>a</sup> 01465500	121	Neshaminy Creek near Langhorne, PA	40° 10' 26"	74° 57' 26"	210
<sup>a</sup> 01470500	113	Schuylkill River at Berne, PA	40° 31' 21"	75° 59' 55"	355
<sup>a</sup> 01471000	117	Tulpehocken Creek near Reading, PA	40° 22' 08"	75° 58' 46"	211
<sup>a</sup> 01472000	111	Schuylkill River at Pottstown, PA	40° 14' 30"	75° 39' 07"	1,147
01472150	156	French Creek at Coventryville, PA	40° 10' 16"	75° 41' 26"	36.9
01473030	116	Perkiomen Creek at Arcola near Collegeville, PA	40° 09' 11"	75° 27' 21"	300
01473170	154	Valley Creek at Wilson Road near Valley Forge, PA	40° 04' 53"	75° 27' 25"	22.0
<sup>a</sup> 01473900	193	Wissahickon Creek at Fort Washington, PA	40° 07' 26"	75° 13' 13"	40.8
<sup>a</sup> 01474000	115	Wissahickon Creek at Mouth at Philadelphia, PA	40° 00' 55"	75° 12' 26"	64.0
01474010	110	Schuylkill River at Falls Bridge at Philadelphia, PA	40° 00' 30"	75° 11' 52"	1,893
<sup>a</sup> 01478245	149	White Clay Creek near Strickersville, PA	39° 44' 51"	75° 46' 15"	59.2
<sup>a</sup> 01479820	150	Red Clay Creek near Kennett Square, PA	39° 49' 00"	75° 41' 31"	28.3
<sup>a</sup> 01481000	105	Brandywine Creek at Chadds Ford, PA	39° 52' 11"	75° 35' 37"	287
01494990	256	Big Elk Creek near Lewisville, PA	39° 43' 48"	75° 50' 54"	41.0

<sup>a</sup>Other water-quality data for this station can be found in the continuous station records section of this report.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PRESS- URE OSMOTIC WATER UNFLTRD MOSM/KG (82550)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
01426500 West Branch Delaware River at Hale Eddy, NY (LAT 42 00 11N LONG 075 23 02W)													
APR 2002 23...	1015	9813	177	--	40	12.2	7.6	82	6.2	25	6.54	6.9	1.83
JUN 06...	1115	9813	775	--	40	9.3	7.3	64	17.7	23	6.15	6.5	1.67
AUG 06...	1000	9813	845	--	40	11.5	8.1	88	10.7	27	7.91	7.7	2.02
01429301 Dyberry Creek at Tanners Falls near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
APR 2002 23...	1430	9813	54	5.0	30	11.9	7.8	60	8.3	26	--	9.1	--
MAY 14...	1400	9813	338	<1.0	30	12.3	7.1	45	10.4	16	--	5.4	--
JUN 18...	1400	9813	94	1.0	30	10.4	7.5	54	16.2	24	--	8.1	--
JUL 15...	1400	9813	9.7	35	30	10.6	8.1	74	20.9	31	--	10.9	--
AUG 06...	1300	9813	6.4	37	30	9.7	8.1	80	21.3	34	--	12.0	--
SEP 05...	1430	9813	6.4	3.0	30	10.6	7.9	92	18.9	36	--	12.5	--
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
APR 2002 04...	1440	9813	190	--	30	12.4	7.2	65	7.4	19	6.08	6.0	.93
JUN 05...	1450	9813	128	--	30	9.8	7.4	67	18.9	20	6.55	6.4	.95
AUG 07...	1430	9813	17	--	30	9.7	8.1	102	20.2	30	9.16	9.6	1.30
01432119 Lackawaxen River at mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
APR 2002 04...	1220	9813	2000	--	30	12.9	7.5	78	7.0	21	--	6.8	--
JUN 05...	1400	9813	1410	--	30	10.6	8.8	90	18.1	24	--	7.8	--
AUG 07...	1200	9813	56	--	30	9.8	7.8	108	19.4	28	--	8.9	--
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
APR 2002 15...	1400	9813	24	4.0	30	10.5	7.0	89	14.4	19	4.71	4.7	1.75
MAY 15...	1330	9813	44	<1.0	30	10.8	6.7	78	11.6	15	--	3.8	--
JUN 06...	0900	9813	12	<1.0	30	9.3	6.6	68	18.1	18	--	4.6	--
JUL 02...	1430	9813	3.4	<1.0	30	9.1	7.2	72	20.9	19	--	4.8	--
AUG 06...	0840	9813	1.1	29	30	9.0	7.4	83	19.1	22	--	5.7	--
SEP 05...	1230	9813	.63	3.0	30	9.9	8.1	754	17.2	25	--	6.3	--

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PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ACIDITY TOTAL HEATED (MG/L CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
01426500 West Branch Delaware River at Hale Eddy, NY (LAT 42 00 11N LONG 075 23 02W)													
APR 2002 23...	1.9	.0	15	--	--	8.2	56	10	<.020	.26	<.040	.55	<.01
JUN 06...	1.8	1.4	16	--	--	7.4	54	12	<.020	.24	<.040	.47	.02
AUG 06...	2.0	.0	16	--	--	7.7	56	<2	<.020	.59	<.040	.70	.01
01429301 Dyberry Creek at Tanners Falls near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
APR 2002 23...	.8	--	22	4.2	<.2	7.5	32	<2	<.020	.07	<.040	.28	.01
MAY 14...	.6	--	11	2.3	<.2	6.5	44	30	<.020	.08	<.040	.42	.02
JUN 18...	.8	--	16	2.4	<.2	6.2	54	6	<.020	.10	<.040	.34	.01
JUL 15...	.9	--	26	3.8	<.2	6.8	52	12	<.020	.06	<.040	.15	<.01
AUG 06...	1.1	--	28	4.2	<.2	6.4	44	4	<.020	.05	<.040	.18	<.01
SEP 05...	1.1	--	32	4.9	<.2	7.1	76	<2	.070	.05	<.040	.18	<.01
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
APR 2002 04...	.9	513	9	--	--	7.6	54	2	<.020	.27	<.040	.46	<.01
JUN 05...	.9	.0	11	--	--	6.7	56	<2	<.020	.22	<.040	.37	<.01
AUG 07...	1.4	.0	18	--	--	7.0	76	6	.060	.24	<.040	.28	.02
01432119 Lackawaxen River at mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
APR 2002 04...	1.1	--	14	--	--	9.3	94	6	<.020	.21	<.040	.52	.01
JUN 05...	1.2	--	16	--	--	8.2	58	<2	<.020	<.04	<.040	.25	.01
AUG 07...	1.3	--	17	--	--	8.0	30	4	.060	.04	<.040	.23	.01
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
APR 2002 15...	1.7	.0	7	17.3	<.2	8.6	126	<2	<.020	.06	<.040	.26	.01
MAY 15...	1.5	--	7	11.8	<.2	7.8	98	<2	<.020	.05	<.040	.24	.01
JUN 06...	1.6	--	8	10.4	<.2	6.9	758	4	<.020	.12	<.040	.26	<.01
JUL 02...	1.7	--	11	11.5	<.2	6.8	68	<2	<.020	.18	<.040	.25	<.01
AUG 06...	1.9	--	15	8.5	<.2	8.2	50	<2	<.020	.27	<.040	.42	.01
SEP 05...	2.2	--	16	9.0	<.2	8.4	58	<2	<.020	.18	<.040	.45	<.01

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (MG/L AS AS) (01000)	CADMIUM DIS- SOLVED (MG/L AS CD) (01025)	COPPER, DIS- SOLVED (MG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (MG/L AS CU) (01042)	IRON, DIS- SOLVED (MG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (MG/L AS FE) (01045)	LEAD, DIS- SOLVED (MG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (MG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (MG/L AS MN) (01056)
01426500 West Branch Delaware River at Hale Eddy, NY (LAT 42 00 11N LONG 075 23 02W)													
APR 2002 23...	.015	--	.8	--	--	--	<4	<4	30	90	<1.0	<1.0	20
JUN 06...	.024	--	.5	--	--	--	<4	<4	70	320	<1.0	<1.0	60
AUG 06...	.012	--	.9	--	--	--	<4	<4	<20	320	<1.0	<1.0	10
01429301 Dyberry Creek at Tanners Falls near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
APR 2002 23...	.017	--	.8	<20	--	--	<4	<4	60	80	<1.0	<1.0	20
MAY 14...	.030	--	1.4	550	--	--	<4	<4	60	360	<1.0	<1.0	10
JUN 18...	.020	--	.9	40	<4.0	<.20	<4	<4	90	180	<1.0	<1.0	10
JUL 15...	.013	--	.5	100	<4.0	<.20	<4	<4	80	140	<1.0	<1.0	20
AUG 06...	.014	--	.8	180	<4.0	<.20	<4	<4	40	100	<1.0	<1.0	20
SEP 05...	.023	--	.7	80	<4.0	<.20	<4	<4	40	100	<1.0	<1.0	30
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
APR 2002 04...	.011	--	2.1	--	--	--	<4	<4	40	100	<1.0	<1.0	10
JUN 05...	.014	--	1.1	--	--	--	<4	<4	50	140	<1.0	<1.0	20
AUG 07...	.012	--	1.2	--	--	--	<4	<4	30	160	<1.0	<1.0	30
01432119 Lackawaxen River at mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
APR 2002 04...	.020	3.3	--	--	--	--	--	<10	--	80	--	<1.0	--
JUN 05...	.020	3.8	--	--	--	--	--	<10	--	150	--	<1.0	--
AUG 07...	.010	3.8	--	--	--	--	--	<10	--	120	--	<1.0	--
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
APR 2002 15...	.010	--	.6	<20	--	--	<4	<4	20	110	<1.0	<1.0	<2.0
MAY 15...	.014	--	1.5	20	--	--	<4	<4	30	180	<1.0	<1.0	3.8
JUN 06...	.016	--	.3	40	<4.0	<.20	<4	<4	40	120	<1.0	<1.0	<2.0
JUL 02...	.020	--	1.4	<20	<4.0	<.20	<4	<4	20	90	<1.0	<1.0	<2.0
AUG 06...	.015	--	1.0	<20	<4.0	<.20	<4	<4	<20	70	<1.0	<1.0	<2.0
SEP 05...	<.010	--	.7	60	<4.0	<.20	<4	<4	<20	<20	<1.0	<1.0	<2.0

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MISCELLANEOUS STATION ANALYSES

Date	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01426500	West Branch Delaware River at Hale Eddy, NY (LAT 42 00 11N LONG 075 23 02W)					
APR 2002 23...	30	<4.0	<4.0	<5.0	<5.0	--
JUN 06...	100	<4.0	<4.0	<5.0	<5.0	--
AUG 06...	50	<4.0	<4.0	<5.0	<5.0	--
01429301	Dyberry Creek at Tanners Falls near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)					
APR 2002 23...	30	<4.0	<4.0	<5.0	<5.0	<5
MAY 14...	60	<4.0	<4.0	<5.0	<5.0	<5
JUN 18...	30	<4.0	<4.0	<5.0	<5.0	<5
JUL 15...	40	<4.0	<4.0	<5.0	<5.0	<5
AUG 06...	40	<4.0	<4.0	<5.0	<5.0	<5
SEP 05...	40	<4.0	<4.0	<5.0	<5.0	<5
01431600	Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)					
APR 2002 04...	30	<4.0	<4.0	<5.0	<5.0	--
JUN 05...	50	<4.0	<4.0	130	--	--
AUG 07...	40	<4.0	<4.0	<5.0	<5.0	--
01432119	Lackawaxen River at Mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)					
APR 2002 04...	20	--	<50	--	<10	--
JUN 05...	40	--	<50	--	<10	--
AUG 07...	30	--	<50	--	<10	--
01438760	Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)					
APR 2002 15...	10	<4.0	<4.0	6.1	6.8	<5
MAY 15...	20	<4.0	<4.0	<5.0	<5.0	<5
JUN 06...	10	<4.0	<4.0	<5.0	<5.0	<5
JUL 02...	<10	<4.0	<4.0	<5.0	<5.0	<5
AUG 06...	20	<4.0	<4.0	<5.0	<5.0	<5
SEP 05...	<10	<4.0	<4.0	<5.0	<5.0	<5

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MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PRESS- URE OSMOTIC WATER UNFLTRD MOSM/KG (82550)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
01440650 Brodhead Creek near East Stroudsburg, PA (LAT 41 02 10N LONG 075 12 34W)													
APR 2002 15...	1540	9813	267	--	30	10.7	7.3	87	15.1	22	5.82	6.0	1.50
JUN 04...	0000	9813	180	--	30	10.3	7.2	82	15.2	21	5.86	5.8	1.55
AUG 06...	1400	9813	21	--	30	9.3	8.6	121	23.8	26	7.17	7.3	1.86
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
APR 2002 01...	1400	9813	22	3.0	30	11.3	4.6	31	9.6	6	1.17	1.2	.64
MAY 14...	0940	9813	83	<1.0	30	10.3	4.3	42	9.5	5	1.13	1.1	.57
JUN 18...	1120	9813	14	1.0	30	9.9	4.9	24	13.4	5	.97	1.0	.52
JUL 10...	1210	9813	2.4	20	30	8.1	5.1	17	20.0	4	.82	.9	.44
AUG 08...	1040	9813	.99	<1.0	30	9.4	5.5	16	16.1	4	.84	.9	.45
SEP 04...	1350	9813	.94	2.0	30	10.7	5.5	16	21.1	4	.85	.9	.46
01449375 Wild Creek above Penn Forest Reservoir near Kresgeville PA (LAT 40 56 24N LONG 075 35 04W)													
APR 2002 15...	1030	9813	28	5.0	30	11.2	5.6	42	11.1	7	1.73	1.8	.63
MAY 15...	0940	9813	20	<1.0	30	11.0	4.9	73	9.4	8	1.93	1.9	.75
JUN 06...	1210	9813	13	2.0	30	9.2	6.1	60	14.0	9	2.09	2.2	.80
AUG 05...	1300	9813	2.3	20	30	8.5	6.8	65	21.0	10	2.25	2.3	.86
SEP 04...	1040	9813	1.6	3.0	30	11.0	6.9	61	18.7	9	2.25	2.2	.86
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
APR 2002 23...	1010	9813	1950	--	30	12.6	7.0	105	8.0	26	--	6.8	--
JUN 26...	1040	9813	919	--	30	8.8	7.2	113	22.6	33	--	8.4	--
AUG 27...	0910	9813	335	--	30	8.4	7.3	135	22.4	42	--	11.0	--
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
APR 2002 23...	1210	9813	106	--	30	13.3	8.5	284	11.2	110	--	29.0	--
JUN 26...	1220	9813	43	--	30	10.0	8.2	417	23.8	160	--	42.3	--
AUG 27...	1050	9813	7.4	--	30	9.0	8.0	802	20.0	290	--	72.5	--

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, ORTH TOTAL (MG/L AS P) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)
01440650 Brodhead Creek near East Stroudsburg, PA (LAT 41 02 10N LONG 075 12 34W)													
APR 2002 15...	1.6	.0	10	--	--	8.1	120	10	<.020	.17	<.040	.35	.02
JUN 04...	1.5	.0	11	--	--	7.8	72	<2	<.020	.16	<.040	.39	<.01
AUG 06...	1.9	.0	16	--	--	7.4	40	<2	<.020	.19	<.040	.28	.01
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
APR 2002 01...	.6	27	1	4.0	<.2	5.4	42	<2	<.020	<.04	<.040	.17	<.01
MAY 14...	.6	19	0	4.4	<.2	5.6	34	18	<.020	<.04	<.040	.39	.01
JUN 18...	.5	23	1	2.1	<.2	4.0	52	2	<.020	<.04	<.040	.14	.01
JUL 10...	.5	29	2	1.4	<.2	3.4	12	8	<.020	<.04	<.040	.20	<.01
AUG 08...	.5	32	2	1.2	<.2	3.3	22	4	<.020	<.04	<.040	.19	<.01
SEP 04...	.5	28	2	1.3	<.2	3.5	22	<2	.040	<.04	<.040	.16	<.01
01449375 Wild Creek above Penn Forest Reservoir near Kresgeville, PA (LAT 40 56 24N LONG 075 35 04W)													
APR 2002 15...	.7	15	3	8.4	<.2	3.6	66	4	<.020	<.04	<.040	.31	.02
MAY 15...	.8	3.0	3	13.8	<.2	2.8	52	<2	<.020	<.04	<.040	<.06	.01
JUN 06...	.8	3.4	4	13.8	<.2	2.1	62	2	<.020	.04	<.040	.12	.01
AUG 05...	.9	8.6	5	15.3	<.2	1.2	60	4	<.020	.05	<.040	.08	<.01
SEP 04...	.8	11	5	14.4	<.2	1.6	442	<2	.030	.04	<.040	.10	.01
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
APR 2002 23...	2.3	--	11	--	--	13.0	102	<2	<.020	.61	<.040	.76	<.01
JUN 26...	2.9	--	13	--	--	16.5	64	4	<.020	.50	<.040	.61	.01
AUG 27...	3.6	--	18	--	--	20.1	108	8	<.020	.45	<.040	.78	.01
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
APR 2002 23...	8.3	--	62	--	--	29.8	176	<2	<.020	3.70	<.040	4.0	.04
JUN 26...	14.0	--	112	--	--	48.4	252	<2	<.020	3.00	<.040	3.2	.03
AUG 27...	26.3	--	226	--	--	124	552	8	<.020	1.80	<.040	2.1	.05



**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (MG/L AS AS) (01000)	CADMIUM DIS- SOLVED (MG/L AS CD) (01025)	COPPER, DIS- SOLVED (MG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (MG/L AS CU) (01042)	IRON, DIS- SOLVED (MG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (MG/L AS FE) (01045)	LEAD, DIS- SOLVED (MG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (MG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (MG/L AS MN) (01056)
01440650 Brodhead Creek near East Stroudsburg, PA (LAT 41 02 10N LONG 075 12 34W)													
APR 2002 15...	.022	--	.8	--	--	--	<4	<4	50	150	<1.0	<1.0	<10
JUN 04...	.013	--	1.0	--	--	--	<4	<4	30	70	<1.0	<1.0	<10
AUG 06...	.020	--	.7	--	--	--	<4	<4	<20	40	<1.0	<1.0	<10
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
APR 2002 01...	<.010	--	.8	<20	--	--	<4	<4	50	70	<1.0	<1.0	80
MAY 14...	.012	--	1.0	70	--	--	<4	<4	120	210	<1.0	<1.0	120
JUN 18...	.010	--	.8	20	<4.0	<.20	<4	<4	150	190	<1.0	<1.0	90
JUL 10...	<.010	--	1.2	<20	<4.0	<.20	<4	<4	150	200	<1.0	<1.0	40
AUG 08...	.010	--	2.0	40	<4.0	<.20	<4	<4	230	290	<1.0	<1.0	20
SEP 04...	<.010	--	1.1	<20	<4.0	<.20	<4	<4	110	140	<1.0	<1.0	20
01449375 Wild Creek above Penn Forest Reservoir near Kresgeville, PA (LAT 40 56 24N LONG 075 35 04W)													
APR 2002 15...	.010	--	1.1	420	--	--	<4	<4	70	190	<1.0	<1.0	40
MAY 15...	<.010	--	.8	20	--	--	<4	<4	<20	50	<1.0	<1.0	10
JUN 06...	.010	--	.5	140	<4.0	<.20	<4	<4	40	100	<1.0	<1.0	<10
AUG 05...	.013	--	1.7	10	<4.0	<.20	<4	<4	20	60	<1.0	<1.0	<10
SEP 04...	<.010	--	.9	<20	<4.0	<.20	<4	<4	20	60	<1.0	<1.0	<10
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
APR 2002 23...	.010	2.0	--	--	--	--	--	<10	--	130	--	<1.0	--
JUN 26...	.020	2.7	--	--	--	--	--	<10	--	370	--	<1.0	--
AUG 27...	.020	2.3	--	--	--	--	--	<10	--	190	--	<1.0	--
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
APR 2002 23...	.070	2.2	--	--	--	--	--	<10	--	140	--	<1.0	--
JUN 26...	.050	2.3	--	--	--	--	--	<10	--	180	--	<1.0	--
AUG 27...	.100	3.2	--	--	--	--	--	<10	--	110	--	2.5	--

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01440650	Brodhead Creek near East Stroudsburg, PA (LAT 41 02 10N LONG 075 12 34W)					
APR 2002						
15...	30	<4.0	<4.0	7.0	5.2	--
JUN						
04...	10	<4.0	<4.0	<5.0	<5.0	--
AUG						
06...	10	<4.0	<4.0	<5.0	<5.0	--
01447300	Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)					
APR 2002						
01...	80	<4.0	<4.0	20	20	5
MAY						
14...	130	<4.0	5.5	20	20	13
JUN						
18...	90	<4.0	<4.0	20	20	<5
JUL						
10...	40	<4.0	<4.0	8.7	8.4	<5
AUG						
08...	30	<4.0	<4.0	7.5	8.2	<5
SEP						
04...	20	<4.0	<4.0	6.7	5.6	<5
01449375	Wild Creek above Penn Forest Reservoir near Kresgeville, PA (LAT 40 56 24N LONG 075 35 04W)					
APR 2002						
15...	60	<4.0	<4.0	50	60	<5
MAY						
15...	20	<4.0	<4.0	30	30	<5
JUN						
06...	20	<4.0	<4.0	20	20	<5
AUG						
05...	10	<4.0	<4.0	10	10	<5
SEP						
04...	<10	<4.0	<4.0	10	10	<5
01451070	Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)					
APR 2002						
23...	60	--	<50	--	80	--
JUN						
26...	50	--	<50	--	70	--
AUG						
27...	70	--	<50	--	50	--
01452040	Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)					
APR 2002						
23...	10	--	<50	--	<10	--
JUN						
26...	10	--	<50	--	<10	--
AUG						
27...	40	--	<50	--	10	--

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PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PRESS- URE OSMOTIC WATER UNFLTRD MOSM/KG (82550)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
APR 2002 30...	1330	9813	37	8.0	30	12.9	8.6	219	11.6	94	--	22.3	--
MAY 23...	0840	9813	36	73	30	11.4	7.6	243	10.4	100	--	22.7	--
JUN 24...	1110	9813	19	7.0	30	9.9	8.2	280	19.3	130	--	29.9	--
JUL 23...	1020	9813	9.9	3.0	30	9.2	8.2	307	20.2	160	--	35.1	--
AUG 26...	0920	9813	6.6	7.0	30	8.8	7.9	310	17.0	160	--	33.1	--
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
APR 2002 30...	1040	9813	41	5.0	30	12.6	7.9	145	10.4	58	--	12.4	--
MAY 23...	1140	9813	9.0	73	30	11.6	7.8	253	12.6	100	--	23.4	--
JUN 24...	1350	9813	4.2	6.0	30	10.5	8.5	258	23.0	110	--	27.4	--
JUL 23...	1230	9813	.39	3.0	30	13.4	8.8	475	26.6	220	--	52.9	--
AUG 26...	1200	9813	.60	8.0	30	11.9	8.4	501	21.0	240	--	56.8	--
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
APR 2002 11...	1120	9813	17	6.0	30	13.2	7.8	165	11.2	61	--	15.6	--
MAY 15...	1220	9813	60	<1.0	30	11.0	7.4	125	13.4	47	--	12.0	--
JUN 11...	1220	9813	15	30	30	10.6	7.9	161	21.0	21	--	<.03	--
JUL 11...	1230	9813	7.4	2.0	30	10.5	8.3	166	20.8	60	--	16.0	--
AUG 14...	1050	9813	3.8	15	30	9.1	8.0	172	23.2	65	--	17.6	--
SEP 03...	1250	9813	9.5	5.0	30	10.8	8.4	181	19.8	66	--	17.7	--
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)													
APR 2002 09...	1300	9813	157	--	40	15.4	8.8	405	13.2	120	--	29.4	--
JUN 27...	1140	9813	165	--	40	7.5	7.7	308	28.2	82	--	21.0	--
AUG 27...	1140	9813	118	--	40	8.4	7.9	397	23.6	100	--	26.0	--
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
APR 2002 10...	1030	9813	16	--	30	13.3	8.4	661	13.2	260	--	55.6	--
JUN 12...	1235	9813	16	--	30	10.2	8.3	666	20.4	260	--	56.3	--
AUG 14...	1400	9813	7.3	--	30	11.1	8.5	633	24.0	260	--	49.4	--

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PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ACIDITY TOTAL HEATED (MG/L CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
APR 2002 30...	9.3	--	68	12.4	<.2	16.3	130	<2	<.020	1.72	<.040	1.9	.02
MAY 23...	11.1	--	82	11.0	<.2	17.4	142	6	<.020	2.03	<.040	2.1	.02
JUN 24...	14.0	--	102	10.6	<.2	16.1	250	4	<.020	2.07	<.040	2.1	.02
JUL 23...	17.4	--	122	8.2	<.2	16.3	226	<2	<.020	1.77	<.040	2.0	.02
AUG 26...	17.6	--	128	8.8	<.2	16.2	208	<2	<.020	1.75	<.040	1.9	.01
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
APR 2002 30...	6.5	--	40	8.0	<.2	17.1	118	4	<.020	.26	<.040	.72	.02
MAY 23...	11.1	--	56	9.0	<.2	51.2	158	2	<.020	.89	<.040	1.0	.01
JUN 24...	10.8	--	64	8.7	<.2	44.6	234	4	<.020	.67	<.040	.80	.01
JUL 23...	21.4	--	94	13.2	<.2	126	366	2	<.020	.12	<.040	.33	.01
AUG 26...	22.5	--	108	17.1	<.2	124	378	<2	<.020	.50	<.040	.50	<.01
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
APR 2002 11...	5.3	--	42	12.9	<.2	13.0	148	10	<.020	1.05	<.040	1.3	.01
MAY 15...	4.2	--	30	8.5	<.2	11.8	98	--	<.020	.94	<.040	1.5	.02
JUN 11...	5.0	--	44	11.7	<.2	11.4	152	<2	<.020	1.22	<.040	1.7	.03
JUL 11...	4.9	--	48	11.1	<.2	11.3	136	<2	<.020	.85	<.040	1.0	.02
AUG 14...	5.1	--	56	9.7	<.2	10.9	110	10	<.020	.31	<.040	.56	.02
SEP 03...	5.3	--	44	13.3	<.2	18.1	124	<2	.110	.81	<.040	1.3	.02
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)													
APR 2002 09...	11.1	--	68	--	--	35.5	284	4	<.020	1.40	<.040	1.8	.02
JUN 27...	7.3	--	56	--	--	26.7	190	4	<.020	1.37	<.040	1.6	.08
AUG 27...	9.0	--	64	--	--	34.4	294	6	<.020	1.12	<.040	1.6	.11
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
APR 2002 10...	30.5	--	204	76.6	--	27.8	450	14	<.020	1.81	.010	1.9	--
JUN 12...	29.9	--	210	70.1	--	26.4	422	<2	<.020	1.78	.010	2.1	--
AUG 14...	32.6	--	206	59.4	--	24.9	370	14	<.020	1.54	.020	1.7	--

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (MG/L AS AS) (01000)	CADMIUM DIS- SOLVED (MG/L AS CD) (01025)	COPPER, DIS- SOLVED (MG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (MG/L AS CU) (01042)	IRON, DIS- SOLVED (MG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (MG/L AS FE) (01045)	LEAD, DIS- SOLVED (MG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (MG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (MG/L AS MN) (01056)
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
APR 2002 30...	.024	--	1.1	280	--	--	<4	<4	30	190	<1.0	<1.0	3.4
MAY 23...	.018	--	<.2	260	<4.0	<.20	<4	<4	30	70	<1.0	<1.0	2.3
JUN 24...	.031	--	1.0	240	<4.0	<.20	<4	<4	<20	110	<1.0	<1.0	<2.0
JUL 23...	.016	--	.6	120	<4.0	<.20	<4	<4	50	50	<1.0	<1.0	<2.0
AUG 26...	.025	--	.7	<20	<4.0	<.20	<4	<4	<20	50	<1.0	<1.0	<2.0
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
APR 2002 30...	.027	--	1.1	200	--	--	<4	<4	130	450	<1.0	<1.0	2.9
MAY 23...	.014	--	<.2	20	<4.0	<.20	<4	<4	50	150	<1.0	<1.0	<2.0
JUN 24...	.022	--	1.0	100	<4.0	<.20	<4	<4	20	50	<1.0	<1.0	3.0
JUL 23...	.015	--	1.2	10	<4.0	<.20	<4	<4	<20	<20	<1.0	<1.0	4.1
AUG 26...	.013	--	.4	50	<4.0	<.20	<4	<4	<20	20	<1.0	<1.0	10
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
APR 2002 11...	.024	--	1.4	100	--	--	<4	<4	120	250	<1.0	<1.0	20
MAY 15...	.043	--	1.3	880	--	--	<4	<4	150	730	<1.0	<1.0	20
JUN 11...	.036	--	1.3	600	<4.0	<.20	<4	<4	90	400	<1.0	<1.0	20
JUL 11...	.034	--	1.8	200	<4.0	<.20	<4	<4	70	270	<1.0	<1.0	20
AUG 14...	.032	--	1.4	60	<4.0	<.20	<4	<4	40	160	<1.0	<1.0	20
SEP 03...	.025	--	1.1	180	<4.0	<.20	<4	<4	100	190	<1.0	<1.0	9.9
01473030 Perkiomen Creek at Arcola near Collegetteville, PA (LAT 40 09 11N LONG 075 27 21W)													
APR 2002 09...	.050	3.9	--	--	--	--	--	<10	--	120	--	<1.0	--
JUN 27...	.100	3.3	--	--	--	--	--	<10	--	140	--	<1.0	--
AUG 27...	.160	3.8	--	--	--	--	--	<10	--	170	--	<1.0	--
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
APR 2002 10...	.010	1.9	1.7	--	<4.0	<.20	<4	<4	30	80	<1.0	<1.0	4.5
JUN 12...	.030	1.7	1.5	--	<4.0	<.20	<4	<4	<20	160	<1.0	<1.0	6.4
AUG 14...	.020	1.5	1.4	--	<4.0	<.20	<4	<4	20	80	<1.0	<1.0	4.4

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
PENNSYLVANIA WATER-QUALITY NETWORK**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)						
APR 2002						
30...	10	<4.0	<4.0	--	<5.0	<5
MAY						
23...	<10	<4.0	<4.0	<5.0	5.2	<5
JUN						
24...	<10	<4.0	<4.0	<5.0	<5.0	<5
JUL						
23...	<10	<4.0	<4.0	<5.0	<5.0	<5
AUG						
26...	<10	<4.0	<4.0	<5.0	<5.0	<5
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)						
APR 2002						
30...	<10	<4.0	<4.0	6.2	8.4	<5
MAY						
23...	<10	<4.0	<4.0	5.7	7.7	<5
JUN						
24...	<10	<4.0	<4.0	<5.0	<5.0	<5
JUL						
23...	<10	<4.0	<4.0	<5.0	<5.0	15
AUG						
26...	20	<4.0	<4.0	<5.0	20	<5
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)						
APR 2002						
11...	20	<4.0	<4.0	<5.0	<5.0	<5
MAY						
15...	40	<4.0	<4.0	<5.0	6.3	<5
JUN						
11...	30	<4.0	<4.0	<5.0	5.2	<5
JUL						
11...	20	<4.0	<4.0	<5.0	<5.0	<5
AUG						
14...	20	<4.0	<4.0	<5.0	<5.0	<5
SEP						
03...	10	<4.0	<4.0	10	10	<5
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)						
APR 2002						
09...	20	--	<50	--	<10	--
JUN						
27...	30	--	<50	--	<10	--
AUG						
27...	30	--	<50	--	20	--
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)						
APR 2002						
10...	<10	<4.0	<4.0	<5.0	<5.0	<5
JUN						
12...	10	<4.0	<4.0	<5.0	<5.0	<5
AUG						
14...	<10	<4.0	<4.0	--	--	<5

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (CODE 00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PRESS-URE OSMOTIC WATER UNFLTRD MOSM/KG (82550)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD ANCE (MG/L) UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	
01474010 Schuylkill River at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)														
APR 2002	08...	1350	9813	1540	--	40	12.6	8.0	367	12.0	120	--	30.0	--
JUN	13...	1400	9813	1410	--	40	7.8	7.6	392	24.6	140	--	33.0	--
AUG	15...	1120	9813	73	--	40	8.2	8.1	690	29.2	210	--	45.3	--
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)														
APR 2002	24...	0920	9813	7.8	--	30	12.2	7.5	173	9.6	61	--	14.3	--
JUN	25...	1030	9813	10	--	30	10.4	8.3	176	23.6	58	--	12.3	--
AUG	28...	0825	9813	5.2	--	30	7.3	7.4	175	22.2	53	--	12.0	--

MISCELLANEOUS STATION ANALYSES

Date	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS-SOLVED (MG/L AS S04) (00945)	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	
01474010 Schuylkill River at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)														
APR 2002	08...	12.2	--	60	--	.2	45.5	250	<2	.110	2.84	.080	3.6	.17
JUN	13...	13.7	--	74	--	<.2	49.7	310	4	.110	3.02	.120	3.9	.26
AUG	15...	22.8	--	102	--	.2	103	446	8	.030	4.24	.090	4.7	.61
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)														
APR 2002	24...	6.2	--	32	--	--	10.0	120	<2	<.020	3.28	<.040	3.3	<.01
JUN	25...	6.6	--	36	--	--	8.9	134	10	<.020	2.63	<.040	2.8	.02
AUG	28...	5.6	--	40	--	--	10.3	92	10	.290	1.39	<.040	1.8	.03

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MISCELLANEOUS STATION ANALYSES

Date	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)
01474010 Schuylkill River at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)													
APR 2002 08...	.220	3.0	--	--	--	--	--	<10	--	160	--	<1.0	--
JUN 13...	.270	3.9	--	--	--	--	--	<10	--	200	--	<1.0	--
AUG 15...	.720	4.7	--	--	--	--	--	<10	--	80	--	<1.0	--
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)													
APR 2002 24...	.030	2.6	--	--	--	--	--	<10	--	320	--	<1.0	--
JUN 25...	.030	2.2	--	--	--	--	--	<10	--	300	--	<1.0	--
AUG 28...	.060	3.9	--	--	--	--	--	<10	--	410	--	<1.0	--

MISCELLANEOUS STATION ANALYSES

Date	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01474010 Schuylkill River at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)						
APR 2002 08...		90	--	<50	--	<10 <5
JUN 13...		80	--	<50	--	10 <5
AUG 15...		60	--	<50	--	<10 <5
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)						
APR 2002 24...		50	--	<50	--	<10 --
JUN 25...		30	--	<50	--	<10 --
AUG 28...		140	--	<50	--	<10 --