

**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
- * Monitor temporal water quality trends in selected Pennsylvania lakes.

Major streams are defined as interstate waters and intrastate streams with drainage areas of roughly 200 mi² 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 were collected by the USGS and analyzed by the PaDEP laboratory in Harrisburg, Pa.

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 104 standard stream sites, 21 reference stream sites, and 20 lakes distributed across the Commonwealth.

Standard stations are sampled bimonthly (6 times per year) for physical and chemical parameters and stream discharge or a stage reading. Reference stations sampled monthly at 25-30 day intervals for physical and chemical parameters and stream discharge or a stage reading. Benthic macroinvertebrate samples are also collected annually at all WQN stations.

In February 2005 the 21 reference stream sites were discontinued and 21 new reference stream sites were established. Since the new reference stream sites were established in the middle of the water year chemical data is presented for both sets of reference stream sites. Biological data is only presented for the reference stream sites that were active in October 2005. This report presents data from the sites in the Delaware River Basin. Data from the Susquehanna River Basin and Ohio River Basin can be found in Volumes 2 and 3 of the USGS Pennsylvania Water Resources Data Reports.

For additional information, contact Andrew Reif at the USGS Pennsylvania Water Science Center, Exton Office, 770 Pennsylvania Drive, Suite 116, Exton, PA 19341; 610-321-2434, (email: agreif@usgs.gov).

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TABLE 1.--List of stream sites sampled as part of the Pennsylvania Water-Quality Network (WQN).

Station number	WQN No.	Location	Latitude	Longitude	Drainage area (mi ²)
^a 01427000	104	West Branch Delaware River at Hancock, NY	41° 57' 08"	75° 17' 31"	650
^a 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 (Reference station)	41° 39' 11"	75° 16' 55"	46.4
01431554	199	Kintz Creek at Roemersville near Promised Land, PA (Reference station)	41° 16' 49"	75° 14' 31"	4.1
01431600	141	Wallenpaupack Creek at East Sterling, PA	41° 20' 10"	75° 20' 25"	69.5
01432097	197	Blooming Grove Creek at Glen Eyre near Rowland, PA (Reference station)	41° 27' 39"	75° 05' 16"	27.6
01432119	147	Lackawaxen River at mouth at Lackawaxen, PA	41° 29' 12"	74° 59' 31"	597
^a 01434000	103	Delaware River at Port Jervis, NY	41° 22' 14"	74° 41' 52"	3,070
01438760	192	Adams Creek near Dingmans Ferry, PA (Reference station)	41° 14' 22"	74° 52' 02"	8.20
^b 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
^b 01442500	137	Brodhead Creek at Minisink Hills, PA	40° 59' 55"	75° 08' 35"	259
01444800	194	Delaware River near Richmond, PA	40° 49' 44"	75° 05' 06"	4,378
01447300	190	Choke Creek near Thornhurst, PA (Reference station)	41° 09' 40"	75° 36' 10"	8.06
^b 01447500	126	Lehigh River at Stoddartsville, PA	41° 07' 49"	75° 37' 33"	91.7
01447650	198	Tunkhannock Creek above Long Pond near Long Pond, PA (Reference station)	41° 02' 04"	75° 27' 35"	11.04
^b 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 (Reference station)	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, PA	40° 36' 06"	75° 27' 43"	82.3
^b 01454700	123	Lehigh River at Glendon, PA	40° 40' 09"	75° 14' 12"	1,359
01457790	187	Cooks Creek at Durham Furnace, PA (Reference station)	40° 34' 56"	75° 12' 20"	29.4
01458900	186	Tinicum Creek near Ottsville, PA (Reference station)	40° 28' 14"	75° 08' 13"	14.7
^b 01463500	101	Delaware River at Trenton, NJ	40° 13' 18"	74° 46' 42"	6,780
^b 01465500	121	Neshaminy Creek near Langhorne, PA	40° 10' 26"	74° 57' 26"	210
^b 01470500	113	Schuylkill River at Berne, PA	40° 31' 21"	75° 59' 55"	355
^b 01471000	117	Tulpehocken Creek near Reading, PA	40° 22' 08"	75° 58' 46"	211
^b 01472000	111	Schuylkill River at Pottstown, PA	40° 14' 30"	75° 39' 07"	1,147
014721369	195	Rock Run above State Route 23 at Coventryville, PA (Reference station)	40° 10' 27"	75° 41' 46"	3.30
01472150	156	French Creek at Coventryville, PA (Reference station)	40° 10' 16"	75° 41' 26"	36.9
014721986	196	West Branch Perkiomen Creek near Bally, PA (Reference station)	40° 24' 18"	75° 36' 50"	11.91
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
^b 01473900	193	Wissahickon Creek at Fort Washington, PA	40° 07' 26"	75° 13' 13"	40.8
^b 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
^b 01478245	149	White Clay Creek near Strickersville, PA	39° 44' 51"	75° 46' 15"	59.2
^b 01479820	150	Red Clay Creek near Kennett Square, PA	39° 49' 00"	75° 41' 31"	28.3
^b 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

^aOther data for this station can be obtained by contacting the Director (518-285-5600; email dc_ny@usgs.gov) of the USGS New York Water Science Center, 425 Jordan Road, Troy, NY 12180-8349.

^bOther data for this station can be found in the continuous station records section of this report.

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

Ninety lakes are part of the WQN. Of these 90 lakes, approximately 15-25 are sampled annually during mid-summer stratification for five years; and then a different set of 15 to 25 lakes is sampled for five years. Using this schedule all 90 lakes are sampled over a 30-year period. Lakes are sampled for physical and chemical parameters and chlorophyll-*a*. Two samples are collected from the deepest point of the lake with the first sample being collected 1-meter below the surface and the second sample collected 1-meter from the bottom. Each sample is analyzed separately. A temperature and DO profile is collected at the site through the water column.

TABLE 2.--List of lakes sampled as part of the Pennsylvania Water-Quality Network.

Station number	WQN No.	Location	Latitude	Longitude
01427252	L114	Duck Harbor Pond near Lookout, PA	41° 45' 11"	75° 12' 01"
01446590	L112	Minsi Lake near Roseto, PA	40° 54' 43"	75° 10' 15"
01464640	L115	Lake Galena near Chalfont, PA	40° 19' 01"	75° 12' 15"
01472124	L102	Hopewell Lake at Hopewell, PA	40° 12' 16"	75° 46' 43"
0148064640	L116	Struble Lake near Honey Brook, PA	40° 06' 28"	75° 51' 51"

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REMARKS.--Some values for "dissolved" parameters exceeded values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods.

01427000 West Branch Delaware River at Hancock, NY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)
NOV 2004 22...	1510	1028	9813	--	14.5	8.4	7.6	88	76	8.6	25	6.7	6.8
JAN 2005 12...	1140	1028	9813	--	13.9	7.0	7.7	103	84	2.3	23	6.4	6.4
MAR 21...	1500	1028	9813	--	14.1	8.0	7.0	123	110	4.2	26	7.1	7.4
MAY 24...	1330	1028	9813	--	12.0	8.0	7.6	92	89	12.1	23	6.5	6.4
JUL 05...	1800	1028	9813	--	10.4	8.3	--	86	84	19.4	24	6.9	6.8
SEP 15...	1000	1028	9813	--	9.9	7.1	6.6	81	86	12.9	23	6.0	6.4

Date	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfltrd recover-able, mg/L (00927)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water, unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV 2004 22...	1.8	1.8	19	6.2	46	<2	<.020	.33	<.040	.66	.01	.01	1.3
JAN 2005 12...	1.6	1.7	19	6.3	--	4	<.020	.40	<.040	.46	.01	.01	2.0
MAR 21...	1.8	1.9	16	6.8	110	6	<.020	.39	<.040	.54	.01	.01	.8
MAY 24...	1.7	1.7	16	6.7	64	4	<.020	.34	<.040	.50	<.01	<.01	.9
JUL 05...	1.7	1.7	--	6.0	58	6	.020	.43	<.040	1.4	<.01	.02	.8
SEP 15...	1.5	1.6	18	5.9	--	2	.020	.38	<.040	.51	.02	.02	<.2

Date	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recover-able, µg/L (01105)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover-able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover-able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover-able, µg/L (01051)	Manganese, water, fltrd, µg/L (01056)	Manganese, water, unfltrd recover-able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover-able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)
NOV 2004 22...	<10	40	<4	<4	30	100	<1.0	<1.0	10	40	<4.0	<4.0	<5.0
JAN 2005 12...	<10	90	<4	<4	<20	200	<1.0	<1.0	9	40	<4.0	<4.0	<5.0
MAR 21...	<10	130	<4	<4	40	250	<1.0	<1.0	40	60	<4.0	<4.0	<5.0
MAY 24...	<10	30	<4	<4	20	60	<1.0	<1.0	10	20	<4.0	<4.0	<5.0
JUL 05...	<10	40	<4	<4	30	110	<1.0	<1.0	10	30	<4.0	<4.0	<5.0
SEP 15...	20	120	<4	<4	<20	420	<1.0	<1.0	50	130	<4.0	<4.0	<5.0

Date	Zinc, water, unfltrd recover-able, µg/L (01092)
NOV 2004 22...	<5.0
JAN 2005 12...	<5.0
MAR 21...	<5.0
MAY 24...	<5.0
JUL 05...	<5.0
SEP 15...	<5.0

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

01427510 Delaware River at Callicoon, NY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (90095)	Specif. conductance, wat unfltrd, µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)
NOV 2004 22...	1700	1028	9813	--	14.6	8.1	7.4	75	66	7.5	21	6.2	6.2
JAN 2005 12...	1400	1028	9813	--	14.6	7.0	7.6	71	70	1.6	20	5.5	5.7
MAR 17...	1220	1028	9813	--	14.1	7.9	7.5	90	83	2.9	22	6.7	6.6
MAY 24...	1600	1028	9813	--	10.9	8.1	7.5	84	79	15.5	22	6.5	6.6
JUL 28...	0930	1028	9813	--	8.2	6.8	--	--	76	22.4	22	6.0	6.3
SEP 15...	1240	1028	9813	--	8.5	8.2	6.6	80	84	20.9	22	6.0	6.4

Date	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfltrd recover, mg/L (00927)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat flt mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water, unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV 2004 22...	1.4	1.4	16	5.9	38	<2	<.020	.25	<.040	.58	<.01	<.01	.8
JAN 2005 12...	1.2	1.3	16	5.9	--	42	<.020	.34	<.040	.32	<.01	.01	1.5
MAR 17...	1.4	1.4	13	6.2	82	<2	<.020	.28	<.040	.40	<.01	<.01	1.0
MAY 24...	1.3	1.4	15	6.5	56	2	<.020	.18	<.040	.36	<.01	.01	.6
JUL 28...	1.4	1.4	--	5.9	52	<2	.030	.21	<.040	.25	<.01	.01	--
SEP 15...	1.4	1.5	19	5.7	--	6	.030	.23	<.040	.29	.01	.01	<.2

Date	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recover, µg/L (01105)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover, µg/L (01051)	Manganese, water, fltrd, µg/L (01056)	Manganese, water, unfltrd recover, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)
NOV 2004 22...	<10	10	<4	<4	<20	30	<1.0	<1.0	3	6	<4.0	<4.0	<5.0
JAN 2005 12...	<10	40	<4	<4	<20	70	<1.0	<1.0	6	10	<4.0	<4.0	<5.0
MAR 17...	<10	30	<4	<4	20	50	<1.0	<1.0	10	10	<4.0	<4.0	<5.0
MAY 24...	<10	10	<4	<4	20	30	<1.0	<1.0	4	8	<4.0	<4.0	<5.0
JUL 28...	20	30	<4	<4	<20	50	<1.0	<1.0	9	20	<4.0	<4.0	<5.0
SEP 15...	20	40	<4	<4	20	80	<1.0	<1.0	8	20	<4.0	<4.0	<5.0

Date	Zinc, water, unfltrd recover-able, µg/L (01092)
NOV 2004 22...	<5.0
JAN 2005 12...	<5.0
MAR 17...	<5.0
MAY 24...	13
JUL 28...	<5.0
SEP 15...	<5.0

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

01434000 Delaware River at Port Jervis, NY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, unfltrd recoverable, mg/L (00916)	Magnesium, water, unfltrd recoverable, mg/L (00927)
NOV 2004 15...	1520	1028	9813	--	14.7	7.7	7.5	76	69	4.8	22	6.6	1.3
JAN 2005 06...	1430	1028	9813	--	13.4	6.5	7.2	69	67	1.5	18	5.4	1.2
MAR 02...	1210	1028	9813	--	17.4	7.7	7.4	81	79	.9	19	5.7	1.1
MAY 10...	1700	1028	9813	--	12.1	9.6	9.0	74	77	17.0	17	5.1	1.1
JUL 27...	1200	1028	9813	--	8.9	7.4	7.8	85	86	26.4	22	6.5	1.3
SEP 21...	0830	1028	9813	--	8.8	7.6	7.5	92	91	20.2	25	7.2	1.6

Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat fltrd, mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water, unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, μ g/L (01105)	Copper, water, unfltrd recoverable, μ g/L (01042)
NOV 2004 15...	19	6.0	68	<2	<.020	.13	<.040	.26	<.01	.04	2.4	<200	<10
JAN 2005 06...	12	6.0	54	<2	.030	.26	<.040	.46	.01	.01	2.5	<200	<10
MAR 02...	16	6.5	56	<2	.030	.22	<.040	.20	<.01	<.01	2.2	<200	<10
MAY 10...	12	6.0	26	<2	<.020	<.04	<.040	.75	<.01	.01	--	<200	<10
JUL 27...	15	5.9	64	<2	<.020	.08	<.040	.16	<.01	.02	--	<200	<10
SEP 21...	20	6.0	80	<2	<.020	.15	<.040	.26	<.01	.01	--	<200	<10

Date	Iron, water, unfltrd recoverable, μ g/L (01045)	Lead, water, unfltrd recoverable, μ g/L (01051)	Manganese, water, unfltrd recoverable, μ g/L (01055)	Nickel, water, unfltrd recoverable, μ g/L (01067)	Zinc, water, unfltrd recoverable, μ g/L (01092)
NOV 2004 15...	70	<1.0	<10	<50	<10
JAN 2005 06...	200	<1.0	20	<50	<10
MAR 02...	90	1.6	20	<50	<10
MAY 10...	50	<1.0	20	<50	<10
JUL 27...	70	<1.0	30	<50	10
SEP 21...	120	<1.0	20	<50	<10

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Pressure, osmotic water, unfltrd mosm/kg (82550)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat lab, 25 degC (90095)	Specif. conductance, wat unfltrd, 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
01429301 Dyberry Creek at Tanners Falls Near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
OCT 2004 07...	1300	1028	9813	60	<1.0	11.7	7.1	7.4	61	60	10.7	24	--
NOV 22...	1300	1028	9813	45	1.0	14.4	7.1	7.5	66	58	6.8	24	--
DEC 13...	1300	1028	9813	225	<1.0	12.8	6.5	7.4	48	42	4.0	17	--
JAN 2005 11...	1330	1028	9813	118	2.0	13.7	6.7	7.5	58	53	1.1	20	--
01431554 Kintz Creek at Roemersville near Promised Land, PA (LAT 41 16 49N LONG 075 14 31W)													
FEB 2005 07...	1530	1028	9813	8.7	<1.0	13.2	6.6	6.9	43	39	2.8	13	--
MAR 03...	1100	1028	9813	11	2.0	14.5	6.8	6.9	46	45	1.2	13	--
APR 18...	1530	1028	9813	13	1.0	11.1	6.5	7.0	41	40	13.5	11	3.4
MAY 09...	1430	1028	9813	12	2.0	11.3	6.7	6.9	42	38	15.7	12	3.5
JUN 28...	1400	1028	9813	4.8	1.0	8.1	6.5	7.0	44	44	22.7	13	4.0
JUL 26...	1200	1028	9813	3.3	1.0	8.8	6.9	7.1	42	44	21.5	14	3.7
AUG 25...	1230	1028	9813	2.4	2.0	10	6.6	--	47	46	18.1	16	4.7
SEP 20...	1330	1028	9813	1.4	2.0	9.4	6.5	--	52	53	18.4	15	4.5
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
NOV 2004 16...	1540	1028	9813	73	<1.0	13.2	7.2	6.8	70	69	4.6	20	6.1
JAN 2005 06...	1200	1028	9813	301	--	13.3	6.1	7.0	56	55	.7	16	4.9
MAR 03...	0920	1028	9813	78	--	15.5	7.0	7.2	68	66	.0	19	5.6
MAY 09...	1300	1028	9813	106	--	13.9	8.6	7.5	65	60	12.5	18	5.5
JUL 26...	1000	1028	9813	26	--	8.9	7.6	--	--	83	21.3	27	8.8
SEP 20...	1530	1028	9813	16	--	10.3	8.1	6.6	100	99	19.2	31	8.9
01432088 Blooming Grove Creek at Rt 6 near Rowland, PA (LAT 41 25 16N LONG 075 06 13W)													
MAR 2005 17...	0900	1028	9813	59	3.0	14.3	6.8	7.1	84	81	.8	16	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, recover- able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
01429301 Dyberry Creek at Tanners Falls Near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
OCT 2004 07...	8.2	--	.78	22	3.5	.4	6.8	54	<2	<.020	.13	<.040	<.01
NOV 22...	8.5	--	.78	20	3.2	<.2	5.8	70	2	<.020	.08	<.040	<.01
DEC 13...	5.8	--	.60	14	2.0	<.2	5.5	32	10	<.020	.15	<.040	<.01
JAN 2005 11...	6.8	--	.67	17	3.3	<.2	6.0	--	<2	<.020	.22	<.040	<.01
01431554 Kintz Creek at Roemersville near Promised Land, PA (LAT 41 16 49N LONG 075 14 31W)													
FEB 2005 07...	3.9	--	.82	6	4.0	<.2	6.5	8	2	.030	.12	<.040	<.01
MAR 03...	4.0	--	.73	9	4.5	<.2	6.2	--	12	.050	.14	<.040	<.01
APR 18...	3.5	.65	.67	6	3.9	<.2	6.3	74	6	.020	.05	<.040	<.01
MAY 09...	3.7	.66	.69	5	4.0	<.2	6.3	100	<2	<.020	<.04	<.040	<.01
JUN 28...	4.0	.76	.79	8	4.5	<.2	5.3	80	14	.100	.06	<.040	.01
JUL 26...	4.1	.81	.89	7	3.9	<.2	5.3	66	<2	<.020	.06	<.040	.01
AUG 25...	4.7	.95	.94	--	4.7	<.2	5.5	160	<2	.020	.08	<.040	<.01
SEP 20...	4.5	.97	.97	--	5.5	<.2	5.9	92	<2	.020	.07	<.040	<.01
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
NOV 2004 16...	6.5	.91	.96	13	4.9	<.2	6.1	58	2	<.020	.24	<.040	<.01
JAN 2005 06...	5.0	.73	.75	10	--	--	6.2	40	14	.020	.27	<.040	<.01
MAR 03...	6.0	.83	.89	13	--	--	6.9	96	8	<.020	.34	<.040	<.01
MAY 09...	5.7	.80	.82	10	--	--	6.6	160	6	.020	.11	<.040	<.01
JUL 26...	8.4	1.3	1.3	--	--	--	6.6	66	<2	.040	.20	<.040	<.01
SEP 20...	10.3	1.3	1.4	23	--	--	7.3	82	<2	<.020	.13	<.040	<.01
01432088 Blooming Grove Creek at Rt 6 near Rowland, PA (LAT 41 25 16N LONG 075 06 13W)													
MAR 2005 17...	4.3	--	1.2	6	16	<.2	6.8	90	<2	.040	.05	<.040	<.01

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC 0.45µMF col/ 100 mL (31616)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Barium, water, unfltrd recover- able, µg/L (01007)	Cadmium water, fltrd, µg/L (01025)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)	Cyanide amen- able to chlor- ination wat unf mg/L (00722)
01429301 Dyberry Creek at Tanners Falls Near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)													
OCT 2004 07...	.01	.56	--	.3	<20	<10	30	<4.0	20	<.20	<4	<4	--
NOV 22...	.01	.40	--	.4	<10	<10	30	<4.0	20	<.20	<4	<4	--
DEC 13...	<.01	.36	--	<.2	200	20	80	<4.0	20	<.20	<4	<4	--
JAN 2005 11...	<.01	.26	--	1.1	40	10	60	<4.0	20	<.20	<4	<4	--
01431554 Kintz Creek at Roemersville near Promised Land, PA (LAT 41 16 49N LONG 075 14 31W)													
FEB 2005 07...	<.01	.26	--	.8	<20	20	60	<4.0	20	<.20	<4	<4	--
MAR 03...	.01	.22	--	.8	<10	20	40	<4.0	20	<.20	<4	<4	--
APR 18...	.02	.15	1.8	6.5	<10	20	70	<4.0	20	<.20	<4	<4	--
MAY 09...	.02	--	1.8	.9	<20	20	40	<4.0	20	<.20	<4	<4	--
JUN 28...	.03	.26	2.7	.9	120	20	80	<4.0	20	<.20	<4	<4	--
JUL 26...	.01	.12	2.6	.4	80	30	70	<4.0	20	<.20	<4	<4	--
AUG 25...	.02	.22	2.2	<.2	--	20	30	<4.0	20	<.20	<4	<4	--
SEP 20...	.02	--	2.1	.4	40	20	30	<4.0	20	<.20	<4	<4	--
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)													
NOV 2004 16...	<.01	.43	2.1	1.7	20	20	30	<4.0	20	<.20	<4	<4	<1.00
JAN 2005 06...	<.01	.45	--	.6	--	40	60	--	--	--	<4	<4	--
MAR 03...	<.01	.65	--	.7	--	20	40	--	--	--	<4	<4	--
MAY 09...	.01	1.8	--	.6	--	20	40	--	--	--	<4	<4	--
JUL 26...	.01	.19	--	.3	--	20	30	--	--	--	<4	<4	--
SEP 20...	.01	.19	--	.4	--	20	30	--	--	--	<4	<4	--
01432088 Blooming Grove Creek at Rt 6 near Rowland, PA (LAT 41 25 16N LONG 075 06 13W)													
MAR 2005 17...	.01	.10	--	.6	10	30	60	<4.0	20	<.20	<4	<4	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
01429301 Dyberry Creek at Tanners Falls Near Dyberry, PA (LAT 41 39 11N LONG 075 16 55W)											
OCT 2004 07...	40	100	<1.0	<1.0	20	30	<4.0	<4.0	<5.0	<5.0	<5
NOV 22...	40	80	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
DEC 13...	40	150	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 11...	40	100	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
01431554 Kintz Creek at Roemersville near Promised Land, PA (LAT 41 16 49N LONG 075 14 31W)											
FEB 2005 07...	70	180	<1.0	<1.0	50	60	<4.0	<4.0	6.9	6.2	<5
MAR 03...	60	110	<1.0	<1.0	30	30	<4.0	<4.0	5.9	<5.0	<5
APR 18...	40	140	<1.0	<1.0	20	40	<4.0	<4.0	5.5	<5.0	<5
MAY 09...	40	80	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
JUN 28...	30	200	<1.0	<1.0	20	60	<4.0	<4.0	<5.0	<5.0	<5
JUL 26...	160	270	<1.0	<1.0	10	30	<4.0	<4.0	6.1	170	<5
AUG 25...	60	160	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
SEP 20...	--	--	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
01431600 Wallenpaupack Creek at East Sterling, PA (LAT 41 20 10N LONG 075 20 25W)											
NOV 2004 16...	50	90	<1.0	<1.0	20	30	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 06...	60	110	<1.0	<1.0	20	20	<4.0	<4.0	5.9	<5.0	--
MAR 03...	50	80	<1.0	<1.0	30	30	<4.0	<4.0	<5.0	<5.0	--
MAY 09...	40	60	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	--
JUL 26...	50	90	<1.0	<1.0	20	30	<4.0	<4.0	<5.0	8.8	--
SEP 20...	20	60	<1.0	<1.0	30	30	<4.0	<4.0	<5.0	<5.0	--
01432088 Blooming Grove Creek at Rt 6 near Rowland, PA (LAT 41 25 16N LONG 075 06 13W)											
MAR 2005 17...	70	140	<1.0	<1.0	30	30	<4.0	<4.0	<5.0	5.7	<5

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Press- ure, osmotic water, unfltrd mosm/kg (82550)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
01432097 Blooming Grove Creek at Glen Eyre near Rowland, PA (LAT 41 27 39N LONG 075 05 16W)													
APR 2005 19...	1130	1028	9813	51	2.0	11.5	6.7	--	62	58	10.2	12	--
MAY 11...	1400	1028	9813	33	1.0	9.7	7.0	7.1	63	64	16.0	12	--
JUN 2005 28...	1100	1028	9813	9.7	<1.0	8.8	6.3	7.4	66	65	21.0	14	--
JUL 27...	1440	1028	9813	12	<1.0	8.6	6.7	7.1	76	77	24.1	15	--
AUG 29...	1140	1028	9813	5.5	2.0	9.6	6.9	7.2	78	78	18.7	17	--
SEP 21...	1300	1028	9813	2.2	4.0	10.2	7.0	--	78	76	16.8	16	--
01432119 Lackawaxen River at Mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
NOV 2004 23...	1000	1028	9813	440	--	11.4	7.6	7.6	78	67	6.9	22	--
JAN 2005 13...	1600	1028	9813	2200	--	14.5	6.7	6.8	74	73	2.8	20	--
MAR 02...	1430	1028	9813	1370	--	16.3	7.6	7.4	77	75	2.0	19	--
MAY 11...	1000	1028	9813	370	--	10.4	8.6	7.9	82	84	16.7	23	--
JUL 27...	1710	1028	9813	840	--	8.2	6.8	--	--	76	22.4	22	6.0
SEP 15...	1540	1028	9813	110	--	8.2	8.5	6.7	81	88	24.1	21	--
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
OCT 2004 07...	0900	1028	9813	13	<1.0	11.8	6.7	6.9	65	64	9.8	14	--
NOV 15...	1300	1028	9813	5.1	1.0	14.2	6.5	7.1	74	69	3.7	16	--
DEC 14...	0900	1028	9813	28	1.0	13.8	6.9	7.3	65	58	3.2	14	--
JAN 2005 05...	1200	1028	9813	26	1.0	12.3	6.6	6.9	67	65	3.4	17	--
01440650 Brodhead Creek nr Analomink, PA (LAT 41 02 10N LONG 075 12 34W)													
NOV 2004 03...	1520	1028	9813	125	--	11.1	8.2	6.9	92	88	10.8	22	6.3
JAN 2005 13...	1330	1028	9813	540	--	13.3	6.4	6.7	102	98	4.0	20	5.5
MAR 10...	1320	1028	9813	180	--	15.6	7.3	7.3	114	112	.3	24	6.6
MAY 19...	1330	1028	9813	130	--	10.9	7.6	7.4	100	97	14.3	21	5.8
JUL 07...	1500	1028	9813	47	--	9.5	8.2	7.4	108	111	20.7	27	7.5
SEP 12...	1400	1028	9813	24	--	11.3	9.5	9.0	128	133	21.9	28	7.8

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
01432097 Blooming Grove Creek at Glen Eyre near Rowland, PA (LAT 41 27 39N LONG 075 05 16W)													
APR 2005 19...	3.1	--	.97	--	11	<.2	6.8	60	<2	<.020	<.04	<.040	.01
MAY 11...	3.3	--	.96	5	10	.2	6.7	44	<2	<.020	<.04	<.040	<.01
JUN 2005 28...	3.8	--	1.2	9	10	<.2	6.2	96	<2	<.020	.08	<.040	.01
JUL 27...	4.2	--	1.2	8	13	<.2	5.6	50	<2	<.020	.04	<.040	.01
AUG 29...	4.5	--	1.4	8	13	<.2	6.5	24	<2	<.020	.05	<.040	.01
SEP 21...	4.2	--	1.3	--	12	<.2	6.9	72	<2	<.020	<.04	<.040	<.01
01432119 Lackawaxen River at Mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
NOV 2004 23...	6.9	--	1.1	19	--	--	12	86	<2	<.020	.06	<.040	.01
JAN 2005 13...	6.5	--	.97	15	--	--	6.7	48	<2	.030	.15	<.040	<.01
MAR 02...	6.2	--	.93	14	--	--	6.9	62	<2	.040	.20	<.040	<.01
MAY 11...	7.3	--	1.1	18	--	--	6.8	50	<2	<.020	<.04	<.040	<.01
JUL 27...	6.3	1.4	1.4	--	--	--	5.9	52	<2	.030	.21	<.040	<.01
SEP 15...	6.6	--	.97	19	--	--	5.4	84	16	.020	.06	<.040	.02
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
OCT 2004 07...	3.6	--	1.3	9	8.9	<.2	7.1	42	4	<.020	<.04	<.040	<.01
NOV 15...	4.0	--	1.5	12	11	<.2	7.1	60	<2	<.020	<.04	<.040	<.01
DEC 14...	3.3	--	1.3	9	8.8	<.2	7.7	--	<2	<.020	.04	<.040	<.01
JAN 2005 05...	4.1	--	1.6	8	10	<.2	7.8	36	2	<.020	.06	<.040	<.01
01440650 Brodhead Creek nr Analomink, PA (LAT 41 02 10N LONG 075 12 34W)													
NOV 2004 03...	6.1	1.6	1.6	14	--	--	6.7	56	<2	<.020	.08	<.040	<.01
JAN 2005 13...	5.7	1.4	1.4	11	--	--	7.7	--	<2	.020	.24	<.040	<.01
MAR 10...	6.7	1.7	1.7	12	--	--	7.4	--	<2	<.020	.26	<.040	<.01
MAY 19...	6.1	1.4	1.5	13	--	--	7.5	96	4	<.020	.08	<.040	<.01
JUL 07...	7.7	1.8	1.8	16	--	--	7.1	94	<2	.050	.17	<.040	.01
SEP 12...	8.0	1.8	1.9	16	--	--	7.2	--	8	.040	.10	.040	<.01

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd (00665) mg/L	Total nitro- gen, water, unfltrd (00600) mg/L	Organic carbon, water, unfltrd (00680) mg/L	BOD, water, unfltrd 5 day 20 degC (00310) mg/L	Fecal coli- form, M-FC 0.45µMF col/ 100 mL (31616)	Alum- inum, water, fltrd, (01106) µg/L	Alum- inum, water, unfltrd recover -able, fltrd, (01105) µg/L	Arsenic water, unfltrd recover -able, fltrd, (01000) µg/L	Barium, water, unfltrd recover -able, fltrd, (01007) µg/L	Cadmium water, unfltrd recover -able, fltrd, (01025) µg/L	Copper, water, unfltrd recover -able, fltrd, (01040) µg/L	Copper, water, unfltrd recover -able, fltrd, (01042) µg/L	Cyanide amen- able to chlor- ination wat unf (00722) mg/L
01432097 Blooming Grove Creek at Glen Eyre near Rowland, PA (LAT 41 27 39N LONG 075 05 16W)													
APR 2005 19...	.02	<.06	--	--	<20	20	40	<4.0	20	<.20	<4	<4	--
MAY 11...	.01	.67	--	.2	<20	20	40	<4.0	20	<.20	<4	<4	--
JUN 2005 28...	.02	.17	--	.9	70	<10	20	<4.0	20	<.20	<4	<4	--
JUL 27...	.02	.09	--	.4	<20	30	40	<4.0	20	<.20	<4	<4	--
AUG 29...	.02	.08	--	1.4	<10	20	30	<4.0	20	<.20	<4	<4	--
SEP 21...	.01	<.06	--	.7	<20	17	20	<4.0	20	<.20	<4	<4	--
01432119 Lackawaxen River at Mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)													
NOV 2004 23...	.01	.52	3.5	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 13...	.02	.31	3.3	--	--	--	<200	--	--	--	--	<10	--
MAR 02...	<.01	.24	3.2	--	--	--	<200	--	--	--	--	<10	--
MAY 11...	.01	.72	--	--	--	--	<200	--	--	--	--	<10	--
JUL 27...	.01	.25	--	.7	--	20	30	--	--	--	<4	<4	--
SEP 15...	.03	.18	--	--	--	--	<200	--	--	--	--	<10	--
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)													
OCT 2004 07...	.01	.11	--	<.2	<10	10	30	<4.0	6	<.20	<4	<4	--
NOV 15...	<.01	.28	--	.6	10	<10	10	<4.0	6	<.20	<4	<4	--
DEC 14...	<.01	.22	--	.7	20	20	40	<4.0	6	<.20	<4	<4	--
JAN 2005 05...	<.01	.19	--	.5	<20	20	80	<4.0	7	<.20	<4	<4	--
01440650 Brodhead Creek nr Analomink, PA (LAT 41 02 10N LONG 075 12 34W)													
NOV 2004 03...	.01	.13	--	1.2	--	<10	20	--	--	--	<4	<4	--
JAN 2005 13...	.01	.22	--	1.2	--	10	30	--	--	--	<4	<4	--
MAR 10...	<.01	.24	--	1.3	--	<10	20	--	--	--	<4	<4	--
MAY 19...	<.01	.13	--	.5	--	<10	20	--	--	--	<4	<4	--
JUL 07...	.02	.29	--	1.0	--	<10	<10	--	--	--	<4	<4	--
SEP 12...	<.01	.16	--	.6	--	20	20	--	--	--	<4	<4	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
01432097 Blooming Grove Creek at Glen Eyre near Rowland, PA (LAT 41 27 39N LONG 075 05 16W)											
APR 2005 19...	40	60	<1.0	<1.0	<2	7	<4.0	<4.0	<5.0	<5.0	<5
MAY 11...	30	50	<1.0	<1.0	3	6	<4.0	<4.0	<5.0	<5.0	<5
JUN 2005 28...	<20	70	<1.0	<1.0	7	20	<4.0	<4.0	<5.0	<5.0	<5
JUL 27...	30	70	<1.0	<1.0	5	10	<4.0	<4.0	<5.0	<5.0	<5
AUG 29...	<20	20	<1.0	<1.0	5	10	<4.0	<4.0	<5.0	<5.0	<5
SEP 21...	<20	<20	<1.0	<1.0	8	10	<4.0	<4.0	<5.0	<5.0	<5
01432119 Lackawaxen River at Mouth at Lackawaxen, PA (LAT 41 29 12N LONG 074 59 31W)											
NOV 2004 23...	--	80	--	<1.0	--	20	--	<50	--	<10	--
JAN 2005 13...	--	130	--	<1.0	--	30	--	<50	--	<10	--
MAR 02...	--	120	--	<1.0	--	30	--	<50	--	<10	--
MAY 11...	--	70	--	<1.0	--	30	--	<50	--	<10	--
JUL 27...	<20	50	<1.0	<1.0	9	20	<4.0	<4.0	<5.0	<5.0	--
SEP 15...	--	560	--	<1.0	--	30	--	<50	--	<10	--
01438760 Adams Creek near Dingmans Ferry, PA (LAT 41 14 22N LONG 074 52 02W)											
OCT 2004 07...	30	70	<1.0	<1.0	<2	2	<4.0	<4.0	<5.0	<5.0	<5
NOV 15...	<20	20	<1.0	<1.0	<2	<2	<4.0	<4.0	<5.0	<5.0	<5
DEC 14...	20	40	<1.0	<1.0	<2	3	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 05...	40	100	<1.0	<1.0	<2	4	<4.0	<4.0	5.9	7.1	<5
01440650 Brodhead Creek nr Analomink, PA (LAT 41 02 10N LONG 075 12 34W)											
NOV 2004 03...	<20	30	<1.0	<1.0	3	6	<4.0	<4.0	7.3	8.5	--
JAN 2005 13...	20	50	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	5.5	--
MAR 10...	<20	40	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	--
MAY 19...	<20	20	<1.0	<1.0	4	7	<4.0	<4.0	<5.0	<5.0	--
JUL 07...	<20	20	<1.0	<1.0	3	6	<4.0	<4.0	<5.0	<5.0	--
SEP 12...	<20	<20	<1.0	<1.0	<2	5	<4.0	<4.0	<5.0	<5.0	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Press- ure, osmotic water, unfltrd mosm/kg (82550)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
01444800 Delaware River near Richmond, PA (LAT 40 49 44N LONG 075 05 06W)													
NOV 2004 03...	1120	1028	9813	--	--	11.4	6.9	7.2	116	110	12.8	35	--
JAN 2005 05...	1430	1028	9813	--	--	11.8	6.8	7.3	91	86	4.5	28	--
MAR 31...	0830	1028	9813	--	--	13.1	7.0	6.8	74	72	3.8	18	--
MAY 26...	0900	1028	9813	--	--	9.8	7.7	7.7	146	137	15.0	46	--
JUL 20...	0830	1028	9813	--	--	11.0	7.5	7.2	125	133	29.3	35	--
SEP 22...	0930	1028	9813	--	--	8.1	7.8	7.5	124	126	24.0	34	--
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
OCT 2004 06...	1320	1028	9813	13	1.0	11.1	4.7	5.3	20	18	9.5	4	.89
NOV 17...	1000	1028	9813	7.1	<1.0	13.1	5.3	5.6	22	20	3.0	5	1.1
DEC 14...	1540	1028	9813	27	<1.0	13.4	4.3	5.6	24	24	2.6	5	.87
JAN 2005 04...	1300	1028	9813	43	<1.0	12.2	4.0	5.1	26	26	3.7	5	1.0
01447650 Tunkhannock Creek ab Long Pond near Long Pond, PA (LAT 41 02 04N LONG 075 27 35W)													
FEB 2005 07...	1200	1028	9813	25	1.0	12.3	5.4	6.3	46	41	3.0	7	--
MAR 16...	1430	1028	9813	17	3.0	13.0	5.7	6.1	50	47	3.8	8	1.9
APR 18...	1200	1028	9813	37	1.0	11.1	5.2	6.0	--	39	10.8	6	1.6
MAY 10...	1330	1028	9813	22	1.0	10.1	5.6	6.0	41	41	15.2	7	1.6
JUN 22...	1600	1028	9813	8.9	<1.0	14.7	5.8	6.2	39	41	19.1	8	2.0
JUL 25...	1420	1028	9813	5.2	2.0	9.6	5.0	6.3	33	32	21.3	8	1.9
AUG 25...	1000	1028	9813	2.7	2.0	10.9	5.2	6.4	33	33	13.3	8	1.8
SEP 20...	1030	1028	9813	2.1	3.0	8.4	4.7	6.1	32	33	14.3	7	1.7
01449375 Wild Cr ab Penn Forest Reservoir nr Kresgeville PA (LAT 40 56 24N LONG 075 35 04W)													
OCT 2004 06...	1050	1028	9813	12	1.0	11.6	6.0	6.7	62	54	8.5	8	1.8
NOV 04...	1030	1028	9813	6.4	<1.0	12.8	6.7	6.4	61	59	7.1	8	1.9
DEC 14...	1300	1028	9813	24	2.0	12.8	6.2	--	--	56	5.1	7	1.7
JAN 2005 04...	1100	1028	9813	17	2.0	12.6	5.8	6.6	53	50	6.5	7	1.9

TUDY SITES
PENNSYLVANIA WATER-QUALITY NETWORK

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, recover- able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
01444800 Delaware River near Richmond, PA (LAT 40 49 44N LONG 075 05 06W)													
NOV 2004 03...	9.8	--	2.5	28	--	--	8.2	84	6	<.020	.12	<.040	<.01
JAN 2005 05...	8.1	--	1.9	18	--	--	7.4	54	12	<.020	.29	<.040	.01
MAR 31...	5.2	--	1.3	9	--	--	6.0	58	28	.040	.35	<.040	.03
MAY 26...	14	--	2.9	35	--	--	11	110	<2	<.020	.34	<.040	<.01
JUL 20...	10	--	2.2	28	--	--	9.1	92	<2	.030	.07	<.040	.02
SEP 22...	10	--	2.3	27	--	--	8.6	94	8	<.020	.09	<.040	.03
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
OCT 2004 06...	.9	.52	.51	3	1.3	<.2	3.5	--	2	<.020	<.04	<.040	<.01
NOV 17...	1.1	.62	.63	2	1.9	<.2	3.8	32	28	<.020	<.04	<.040	<.01
DEC 14...	1.0	.50	.55	3	1.6	<.2	4.7	--	4	.030	<.04	<.040	<.01
JAN 2005 04...	1.0	.58	.57	3	2.2	<.2	4.7	18	<2	<.020	<.04	<.040	<.01
01447650 Tunkhannock Creek ab Long Pond near Long Pond, PA (LAT 41 02 04N LONG 075 27 35W)													
FEB 2005 07...	1.9	--	.63	3	11	<.2	1.4	24	8	.030	.21	<.040	<.01
MAR 16...	2.0	.64	.68	2	11	<.2	1.3	50	<2	<.020	.21	<.040	<.01
APR 18...	1.5	.54	.55	--	8.4	<.2	1.2	78	2	.020	.12	<.040	<.01
MAY 10...	1.7	.61	.66	3	8.8	<.2	<1.0	44	<2	<.020	.13	<.040	<.01
JUN 22...	2.0	.73	.71	3	7.6	<.2	<1.0	84	<2	.040	.15	<.040	.01
JUL 25...	1.9	.68	.69	4	5.8	<.2	1.2	110	<2	<.020	.12	<.040	.01
AUG 25...	1.9	.68	.73	4	5.3	<.2	1.6	380	<2	<.020	.13	<.040	<.01
SEP 20...	1.9	.64	.68	5	4.2	<.2	1.3	170	<2	.020	.16	<.040	.01
01449375 Wild Cr ab Penn Forest Reservoir nr Kresgeville PA (LAT 40 56 24N LONG 075 35 04W)													
OCT 2004 06...	1.9	.72	.74	6	15	<.2	1.6	48	4	<.020	<.04	<.040	<.01
NOV 04...	1.8	.78	.75	6	14	<.2	1.4	--	<2	<.020	<.04	<.040	<.01
DEC 14...	1.7	.69	.68	--	14	<.2	2.2	46	10	<.020	<.04	<.040	<.01
JAN 2005 04...	1.8	.75	.71	6	12	<.2	2.3	38	<2	<.020	.05	<.040	<.01

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC col/ 100 mL (31616)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Barium, water, unfltrd recover- able, µg/L (01007)	Cadmium water, fltrd, µg/L (01025)	Copper, water, unfltrd µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)	Cyanide amen- able to chlor- ination wat unf mg/L (00722)
01444800 Delaware River near Richmond, PA (LAT 40 49 44N LONG 075 05 06W)													
NOV 2004 03...	.01	.31	2.8	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 05...	.02	.55	2.4	--	--	--	<200	--	--	--	--	<10	--
MAR 31...	.04	.63	--	--	--	--	700	--	--	--	--	<10	--
MAY 26...	.01	.55	--	--	--	--	<200	--	--	--	--	<10	--
JUL 20...	.04	.50	--	--	--	--	200	--	--	--	--	<10	--
SEP 22...	.04	.26	--	--	--	--	<200	--	--	--	--	<10	--
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)													
OCT 2004 06...	<.01	.10	--	<.2	<10	110	100	<4.0	20	<.20	<4	<4	--
NOV 17...	<.01	.13	--	.8	<10	70	80	<4.0	10	<.20	<4	<4	--
DEC 14...	<.01	.16	--	.8	<10	100	100	<4.0	20	<.20	<4	<4	--
JAN 2005 04...	.01	.17	--	.7	<20	150	200	<4.0	20	<.20	<4	<4	--
01447650 Tunkhannock Creek ab Long Pond near Long Pond, PA (LAT 41 02 04N LONG 075 27 35W)													
FEB 2005 07...	<.01	.47	--	.8	<20	60	80	<4.0	10	<.20	<4	<4	--
MAR 16...	<.01	.36	--	.4	<20	60	80	<4.0	10	<.20	<4	<4	--
APR 18...	.01	.26	4.4	--	20	90	100	<4.0	10	<.20	<4	<4	--
MAY 10...	.02	.54	4.6	.6	20	80	100	<4.0	10	<.20	<4	<4	--
JUN 22...	.01	.38	5.4	.7	40	70	100	<4.0	10	<.20	<4	<4	--
JUL 25...	.01	.35	7.4	1.0	400	110	100	<4.0	10	<.20	<4	<4	--
AUG 25...	.01	.37	4.8	.3	--	60	90	<4.0	10	<.20	<4	<4	--
SEP 20...	.01	.40	2.8	.4	20	30	50	<4.0	9	<.20	<4	<4	--
01449375 Wild Cr ab Penn Forest Reservoir nr Kresgeville PA (LAT 40 56 24N LONG 075 35 04W)													
OCT 2004 06...	<.01	.13	--	<.2	20	20	40	<4.0	10	<.20	<4	<4	--
NOV 04...	<.01	.08	--	.6	10	20	30	<4.0	10	<.20	<4	<4	--
DEC 14...	<.01	.11	--	.7	<20	30	40	<4.0	10	<.20	<4	<4	--
JAN 2005 04...	<.01	.72	--	.2	40	40	70	<4.0	10	<.20	<4	<4	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
01444800 Delaware River near Richmond, PA (LAT 40 49 44N LONG 075 05 06W)											
NOV 2004 03...	--	50	--	<1.0	--	10	--	<50	--	<10	--
JAN 2005 05...	--	330	--	<1.0	--	40	--	<50	--	<10	--
MAR 31...	--	980	--	1.3	--	90	--	<50	--	<10	--
MAY 26...	--	60	--	4.0	--	20	--	<50	--	<10	--
JUL 20...	--	360	--	<1.0	--	100	--	<50	--	10	--
SEP 22...	--	40	--	<1.0	--	30	--	<50	--	<10	--
01447300 Choke Creek near Thornhurst, PA (LAT 41 09 40N LONG 075 36 10W)											
OCT 2004 06...	80	100	<1.0	<1.0	70	70	<4.0	<4.0	9.8	11	<5
NOV 17...	70	70	<1.0	<1.0	30	30	<4.0	<4.0	--	--	50
DEC 14...	40	60	<1.0	<1.0	60	70	<4.0	<4.0	13	15	<5
JAN 2005 04...	90	120	<1.0	<1.0	80	90	<4.0	<4.0	17	16	<5
01447650 Tunkhannock Creek ab Long Pond near Long Pond, PA (LAT 41 02 04N LONG 075 27 35W)											
FEB 2005 07...	100	120	<1.0	<1.0	30	30	<4.0	<4.0	15	14	<5
MAR 16...	70	100	<1.0	<1.0	20	20	<4.0	<4.0	13	13	<5
APR 18...	140	160	<1.0	<1.0	20	30	<4.0	<4.0	16	15	<5
MAY 10...	160	160	<1.0	<1.0	20	20	<4.0	<4.0	13	13	<5
JUN 22...	360	370	<1.0	<1.0	10	20	<4.0	<4.0	9.3	11	<5
JUL 25...	450	570	<1.0	1.0	20	20	<4.0	<4.0	9.8	11	<5
AUG 25...	150	260	<1.0	<1.0	9	10	<4.0	<4.0	7.7	8.4	<5
SEP 20...	90	210	<1.0	<1.0	7	8	<4.0	<4.0	5.4	6.1	<5
01449375 Wild Cr ab Penn Forest Reservoir nr Kresgeville PA (LAT 40 56 24N LONG 075 35 04W)											
OCT 2004 06...	30	50	<1.0	<1.0	4	7	<4.0	<4.0	14	15	<5
NOV 04...	20	50	<1.0	<1.0	3	5	<4.0	<4.0	15	14	<5
DEC 14...	<20	30	<1.0	<1.0	7	9	<4.0	<4.0	19	18	<5
JAN 2005 04...	30	40	<1.0	<1.0	7	10	<4.0	<4.0	20	21	<5

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Pressure, osmotic water, unfltrd mosm/kg (82550)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat lab, 25 degC (90095)	Specif. conductance, wat unfltrd, 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
NOV 04...	1300	1028	9813	--	--	13.3	7.2	6.8	107	102	8.6	32	--
JAN 2005 05...	1700	1028	9813	--	--	11.8	7.1	7.0	84	80	5.0	24	--
MAR 31...	1010	1028	9813	--	--	13.0	7.2	6.6	90	90	4.6	19	--
MAY 26...	1200	1028	9813	--	--	11.3	7.8	7.5	128	124	12.8	39	--
JUL 20...	1120	1028	9813	--	--	11.5	7.5	7.0	169	154	25.3	50	--
SEP 28...	0940	1028	9813	--	--	9.9	7.3	7.4	132	137	16.8	39	--
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
NOV 04...	0850	1028	9813	65	--	11.1	7.4	8.0	429	422	10.2	140	--
JAN 2005 04...	0900	1028	9813	126	--	12.2	7.5	7.9	373	375	7.3	120	--
MAR 31...	1220	1028	9813	468	--	11.8	7.4	7.1	228	224	8.2	83	--
MAY 26...	1300	1028	9813	37	--	9.7	7.9	8.1	589	558	14.1	200	--
JUL 20...	1230	1028	9813	22	--	11.6	7.9	8.2	550	578	23.9	200	--
SEP 28...	1100	1028	9813	8.0	--	11.2	7.7	8.0	741	737	15.8	260	--
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
OCT 2004 14...	1000	1028	9813	36	5.0	10.7	7.6	8.0	282	274	11.5	130	--
NOV 04...	1100	1028	9813	28	5.0	12.7	8.1	8.3	285	279	8.6	130	--
DEC 15...	0930	1028	9813	57	4.0	13.8	7.8	8.1	239	203	3.2	100	--
JAN 2005 04...	1200	1028	9813	46	4.0	13.2	8.2	8.2	254	253	8.2	120	--
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
OCT 2004 14...	1230	1028	9813	4.3	<1.0	12.2	7.9	7.8	311	300	11.8	130	--
NOV 04...	1230	1028	9813	4.8	4.0	13.8	8.3	8.2	262	255	8.0	110	--
DEC 15...	1200	1028	9813	16	4.0	15.3	7.5	7.9	152	129	1.8	63	--
JAN 2005 04...	1350	1028	9813	22	4.0	14.0	8.2	8.0	218	216	6.5	88	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, recover- able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
NOV 2004 04...	8.0	--	2.8	14	--	--	15	70	<2	<.020	.48	<.040	<.01
JAN 2005 05...	6.1	--	2.0	11	--	--	11	46	<2	.030	.47	<.040	<.01
MAR 31...	5.0	--	1.6	11	--	--	8.9	62	4	.060	.55	<.040	.01
MAY 26...	9.9	--	3.5	15	--	--	21	100	<2	.040	.42	<.040	<.01
JUL 20...	14	--	3.8	25	--	--	24	140	<2	.120	.49	.040	.05
SEP 28...	9.5	--	3.7	20	--	--	18	210	6	.020	.49	<.040	.02
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
NOV 2004 04...	37	--	13	100	--	--	56	280	<2	<.020	3.7	<.040	.03
JAN 2005 04...	33	--	10	80	--	--	50	210	<2	.020	4.6	<.040	.03
MAR 31...	22	--	6.5	38	--	--	22	160	18	.040	4.9	<.040	.03
MAY 26...	51	--	18	150	--	--	89	400	<2	.080	3.1	<.040	.04
JUL 20...	50	--	18	150	--	--	75	400	4	.030	2.0	<.040	.03
SEP 28...	61	--	27	210	--	--	99	460	<2	.030	2.6	<.040	.02
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
OCT 2004 14...	29	--	13	110	9.2	<.2	15	170	<2	<.020	2.0	<.040	.01
NOV 04...	28	--	14	110	11	<.2	15	180	<2	<.020	1.8	<.040	<.01
DEC 15...	23	--	11	83	9.6	<.2	16	160	<2	<.020	2.3	<.040	.02
JAN 2005 04...	27	--	12	90	11	<.2	17	160	2	<.020	2.1	<.040	.01
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
OCT 2004 14...	31	--	12	76	9.5	<.2	60	230	<2	<.020	.32	<.040	.02
NOV 04...	25	--	11	79	12	<.2	32	160	<2	<.020	.04	<.040	<.01
DEC 15...	14	--	7.0	44	6.5	<.2	19	120	<2	<.020	.29	<.040	.01
JAN 2005 04...	20	--	9.5	50	19	<.2	25	140	4	<.020	.32	<.040	<.01

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC 0.45µMF col/ 100 mL (31616)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Barium, water, unfltrd recover- able, µg/L (01007)	Cadmium water, fltrd, µg/L (01025)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)	Cyanide amen- able to chlor- ination wat unf mg/L (00722)
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)													
NOV 2004 04...	.01	.61	2.3	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 05...	<.01	.70	2.3	--	--	--	200	--	--	--	--	<10	--
MAR 31...	.02	.71	--	--	--	--	300	--	--	--	--	<10	--
MAY 26...	.01	.60	--	--	--	--	<200	--	--	--	--	<10	--
JUL 20...	.16	.82	--	--	--	--	<200	--	--	--	--	<10	--
SEP 28...	.05	.93	--	--	--	--	<200	--	--	--	--	<10	--
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)													
NOV 2004 04...	.03	4.1	2.0	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 04...	.03	4.6	1.2	--	--	--	<200	--	--	--	--	<10	--
MAR 31...	.04	4.9	--	--	--	--	600	--	--	--	--	<10	--
MAY 26...	.05	3.4	--	--	--	--	<200	--	--	--	--	<10	--
JUL 20...	.07	2.1	--	--	--	--	900	--	--	--	--	<10	--
SEP 28...	.04	2.9	--	--	--	--	<200	--	--	--	--	<10	--
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)													
OCT 2004 14...	.01	2.2	--	.2	200	<10	10	<4.0	30	<.20	<4	<4	--
NOV 04...	.01	2.1	--	1.0	40	<10	<10	<4.0	30	<.20	<4	<4	--
DEC 15...	.01	2.4	--	1.6	40	<10	30	<4.0	30	<.20	<4	<4	--
JAN 2005 04...	.02	2.2	--	.4	40	<10	40	<4.0	30	<.20	<4	<4	--
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)													
OCT 2004 14...	.02	.55	--	1.4	230	<10	60	<4.0	30	<.20	<4	<4	--
NOV 04...	.01	.24	--	1.3	60	<10	10	<4.0	20	<.20	<4	<4	--
DEC 15...	.01	.48	--	.6	40	<10	100	<4.0	10	<.20	<4	<4	--
JAN 2005 04...	.03	.68	--	.5	400	14	300	<4.0	20	<.20	<4	<4	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
01451070 Lehigh River at Treichlers, PA (LAT 40 44 03N LONG 075 32 28W)											
NOV 2004 04...	--	140	--	<1.0	--	50	--	<50	--	77	--
JAN 2005 05...	--	180	--	<1.0	--	50	--	<50	--	56	--
MAR 31...	--	370	--	1.1	--	90	--	<50	--	55	--
MAY 26...	--	80	--	<1.0	--	50	--	<50	--	77	--
JUL 20...	--	170	--	<1.0	--	70	--	<50	--	49	--
SEP 28...	--	60	--	<1.0	--	50	--	<50	--	55	--
01452040 Jordan Creek at mouth at Allentown, PA (LAT 40 36 06N LONG 075 27 43W)											
NOV 2004 04...	--	<20	--	<1.0	--	<10	--	<50	--	<10	--
JAN 2005 04...	--	100	--	<1.0	--	<10	--	<50	--	33	--
MAR 31...	--	810	--	1.2	--	30	--	<50	--	<10	--
MAY 26...	--	50	--	<1.0	--	20	--	<50	--	<10	--
JUL 20...	--	1540	--	18	--	70	--	<50	--	71	--
SEP 28...	--	60	--	<1.0	--	30	--	<50	--	<10	--
01457790 Cooks Creek at Durham Furnace, PA (LAT 40 34 56N LONG 075 12 20W)											
OCT 2004 14...	<20	20	<1.0	<1.0	2	3	<4.0	<4.0	<5.0	<5.0	<5
NOV 04...	<20	<20	<1.0	<1.0	<2	2	<4.0	<4.0	<5.0	<5.0	<5
DEC 15...	<20	60	<1.0	<1.0	3	4	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 04...	<20	60	<1.0	<1.0	<2	3	<4.0	<4.0	<5.0	<5.0	<5
01458900 Tinicum Creek near Ottsville, PA (LAT 40 28 14N LONG 075 08 13W)											
OCT 2004 14...	<20	50	<1.0	<1.0	4	5	<4.0	<4.0	<5.0	<5.0	<5
NOV 04...	<20	<20	<1.0	<1.0	3	3	<4.0	<4.0	<5.0	<5.0	<5
DEC 15...	70	220	<1.0	<1.0	<2	3	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 04...	120	470	<1.0	<1.0	<2	4	<4.0	<4.0	<5.0	<5.0	<5

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Pressure, osmotic water, unfltrd mosm/kg (82550)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfl lab, µS/cm 25 degC (90095)	Specif. conductance, wat unfl lab, µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
014721369 Rock Run above SR23 at Coventryville, PA (LAT 40 10 27N LONG 075 41 46W)													
FEB 2005 09...	1100	1028	9813	7.4	2.0	13.9	7.1	7.5	115	115	4.8	36	--
MAR 2005 22...	1130	1028	9813	4.1	3.0	13.2	7.5	7.5	119	117	7.1	38	--
APR 12...	1140	1028	9813	7.5	3.0	12.0	7.5	--	--	107	10.8	32	--
MAY 18...	1200	1028	9813	2.6	2.0	11.2	7.5	7.8	111	108	13.3	37	--
JUN 20...	1040	1028	9813	1.8	2.0	10.2	7.6	7.7	118	116	16.6	40	--
JUL 13...	1010	1028	9813	1.0	<1.0	9.9	7.5	7.6	118	124	20.5	40	--
AUG 16...	1040	1028	9813	.79	3.0	8.5	7.6	7.0	130	134	21.8	48	--
SEP 26...	1350	1028	9813	.48	4.0	9.8	7.5	7.7	140	145	19.6	55	--
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
OCT 2004 18...	1300	1028	9813	46	1.0	12.2	7.6	7.3	149	141	9.7	53	--
NOV 01...	1100	1028	9813	58	3.0	10.9	7.6	7.4	148	148	12.0	55	--
DEC 08...	1530	1028	9813	109	2.0	11.9	6.6	7.4	121	110	8.4	43	--
JAN 2005 26...	1420	1028	9813	86	3.0	15.5	7.5	7.5	136	136	.3	45	--
014721986 West Branch Perkiomen Creek near Bally, PA (LAT 40 24 18N LONG 075 36 50W)													
FEB 2005 02...	0940	1028	9813	20	3.0	15.9	7.5	7.9	162	165	.7	64	--
MAR 22...	0930	1028	9813	19	3.0	13.5	7.3	7.7	161	160	4.1	59	--
APR 12...	1020	1028	9813	55	3.0	12.3	7.3	7.7	143	141	8.4	51	--
MAY 18...	1020	1028	9813	20	4.0	11.5	7.7	8.0	168	164	12.3	64	--
JUN 20...	0910	1028	9813	9.7	1.0	10.6	7.7	8.0	189	186	14.6	75	--
JUL 13...	0820	1028	9813	9.8	5.0	13.1	7.7	7.9	188	195	18.9	78	--
AUG 16...	0850	1028	9813	7.2	4.0	9.1	7.7	7.3	184	192	19.5	80	--
SEP 26...	1050	1028	9813	5.1	5.0	10.3	7.7	7.9	203	206	16.2	96	--
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)													
NOV 2004 08...	0840	1028	9813	373	--	10.8	7.3	7.6	275	273	9.2	94	--
JAN 2005 06...	0820	1028	9813	2310	--	13.1	7.6	7.8	339	322	4.7	97	--
MAR 07...	1000	1028	9813	471	--	16.0	8.2	8.1	491	486	3.1	130	--
MAY 25...	1000	1028	9813	172	--	9.3	8.0	8.0	351	345	14.9	110	--
JUL 2005 21...	0930	1028	9813	120	--	6.9	7.9	7.9	324	340	26.5	100	--
SEP 21...	0920	1028	9813	97	--	8.5	7.8	7.6	369	367	21.6	120	--

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, recover- able, mg/L (00927)	ANC, wat unfiltered, fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
014721369 Rock Run above SR23 at Coventryville, PA (LAT 40 10 27N LONG 075 41 46W)													
FEB 2005 09...	7.9	--	3.9	24	11	<.2	10	90	<2	.030	1.2	<.040	<.01
MAR 2005 22...	8.3	--	4.1	25	11	<.2	11	100	<2	<.020	1.5	<.040	<.01
APR 12...	7.0	--	3.5	24	9.1	<.2	11	82	4	.060	1.4	<.040	<.01
MAY 18...	8.1	--	4.1	28	7.6	<.2	9.5	110	<2	<.020	1.3	<.040	.01
JUN 20...	9.1	--	4.2	31	7.5	<.2	9.1	120	6	.030	1.2	<.040	.03
JUL 13...	9.2	--	4.1	31	8.2	<.2	10	110	10	.030	1.0	<.040	.03
AUG 16...	11	--	5.0	40	7.8	<.2	11	--	<2	.020	.80	<.040	.03
SEP 26...	13	--	5.2	43	7.6	<.2	13	96	<2	.030	.45	<.040	.01
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
OCT 2004 18...	13	--	4.9	38	11	<.2	10	110	8	<.020	1.4	<.040	.01
NOV 01...	14	--	4.9	39	11	<.2	9.8	110	<2	<.020	1.1	<.040	.01
DEC 08...	11	--	4.0	29	8.3	<.2	10	--	<2	.030	1.2	<.040	.03
JAN 2005 26...	11	--	3.9	29	11	<.2	11	70	24	.100	1.8	<.040	.01
014721986 West Branch Perkiomen Creek near Bally, PA (LAT 40 24 18N LONG 075 36 50W)													
FEB 2005 02...	15	--	6.7	46	10	<.2	12	140	6	<.020	2.0	<.040	<.01
MAR 22...	14	--	5.9	42	13	<.2	12	110	<2	<.020	1.7	<.040	<.01
APR 12...	12	--	5.2	37	11	<.2	13	120	150	.090	1.4	<.040	<.01
MAY 18...	15	--	6.5	51	10	<.2	12	150	8	<.020	1.4	<.040	<.01
JUN 20...	16	--	8.3	63	9.7	<.2	11	170	2	.050	1.5	<.040	.02
JUL 13...	17	--	8.5	65	10	<.2	11	150	4	.030	1.4	<.040	.02
AUG 16...	18	--	8.8	66	9.2	<.2	11	2300	<2	.030	1.1	<.040	.03
SEP 26...	21	--	11	78	8.5	<.2	11	100	<2	.040	1.2	<.040	.01
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)													
NOV 2004 08...	24	--	8.2	69	--	--	20	210	6	<.020	1.4	<.040	.04
JAN 2005 06...	25	--	8.5	56	--	--	24	200	24	.060	1.8	<.040	.09
MAR 07...	33	--	11	60	--	--	26	270	<2	<.020	1.8	<.040	.02
MAY 25...	28	--	9.0	71	--	--	30	240	6	.030	1.6	<.040	.03
JUL 2005 21...	25	--	9.1	78	--	--	28	230	16	.030	.97	<.040	.06
SEP 21...	29	--	10	75	--	--	33	270	2	.040	1.9	<.040	.10

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd (00665) mg/L	Total nitro- gen, water, unfltrd (00600) mg/L	Organic carbon, water, unfltrd (00680) mg/L	BOD, water, unfltrd 5 day, 20 degC (00310) mg/L	Fecal coli- form, M-FC 0.45µMF col/ 100 mL (31616)	Alum- inum, water, fltrd, (01106) µg/L	Alum- inum, water, unfltrd recover -able, (01105) µg/L	Arsenic water, fltrd, (01000) µg/L	Barium, water, unfltrd recover -able, (01007) µg/L	Cadmium water, fltrd, (01025) µg/L	Copper, water, fltrd, (01040) µg/L	Copper, water, unfltrd recover -able, (01042) µg/L	Cyanide amen- able to chlor- ination wat unf (00722) mg/L
014721369 Rock Run above SR23 at Coventryville, PA (LAT 40 10 27N LONG 075 41 46W)													
FEB 2005 09...	<.01	1.3	--	.9	310	<10	100	<4.0	20	<.20	<4	<4	--
MAR 2005 22...	.02	1.6	--	.6	20	10	70	<4.0	30	<.20	<4	<4	--
APR 12...	.02	1.5	--	--	120	10	150	--	30	<.20	<4	<4	--
MAY 18...	.02	1.2	--	.2	20	<10	60	<4.0	20	<.20	<4	<4	--
JUN 20...	.03	1.3	--	.6	170	<10	90	<4.0	20	<.20	<4	<4	--
JUL 13...	.04	1.0	--	.3	360	30	120	<4.0	30	<.20	<4	<4	--
AUG 16...	.04	.87	--	1.2	620	20	50	<4.0	30	<.20	<4	<4	--
SEP 26...	.03	.58	--	.6	120	20	60	<4.0	30	<.20	<4	<4	--
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)													
OCT 2004 18...	.02	1.8	--	.4	140	<10	40	<4.0	30	<.20	<4	<4	--
NOV 01...	.02	1.4	--	1.0	60	<10	40	<4.0	30	<.20	<4	<4	--
DEC 08...	.03	1.4	--	.7	1100	10	210	<4.0	30	<.20	<4	<4	--
JAN 2005 26...	.05	2.3	--	1.0	40	<10	630	<4.0	30	<.20	<4	<4	--
014721986 West Branch Perkiomen Creek near Bally, PA (LAT 40 24 18N LONG 075 36 50W)													
FEB 2005 02...	.01	1.9	--	1.1	20	10	40	<4.0	20	<.20	<4	<4	--
MAR 22...	.01	1.8	--	1.2	60	<10	70	<4.0	20	<.20	<4	<4	--
APR 12...	.02	1.4	--	1.0	30	10	90	<4.0	20	<.20	<4	<4	--
MAY 18...	.01	1.5	--	.6	40	<10	60	<4.0	20	<.20	<4	<4	--
JUN 20...	.03	1.7	--	.8	220	<10	70	<4.0	20	<.20	<4	<4	--
JUL 13...	.03	1.4	--	<.2	240	<10	70	<4.0	30	<.20	<4	<4	--
AUG 16...	.03	1.4	--	.3	440	20	60	<4.0	30	<.20	<4	<4	--
SEP 26...	.02	1.4	--	.4	20	20	40	<4.0	30	<.20	<4	<4	--
01473030 Perkiomen Creek at Arcola near Collegeville, PA (LAT 40 09 11N LONG 075 27 21W)													
NOV 2004 08...	.05	1.8	4.7	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 06...	.10	2.3	3.7	--	--	--	1020	--	--	--	--	60	--
MAR 07...	.03	3.0	3.1	--	--	--	<200	--	--	--	--	<10	--
MAY 25...	.04	2.0	--	--	--	--	<200	--	--	--	--	<10	--
JUL 2005 21...	.10	1.4	--	--	--	--	<200	--	--	--	--	<10	--
SEP 21...	.12	2.1	--	--	--	--	200	--	--	--	--	<10	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
014721369 Rock Run above SR23 at Coventryville, PA (LAT 40 10 27N LONG 075 41 46W)											
FEB 2005 09...	50	170	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
MAR 2005 22...	40	110	<1.0	<1.0	5	7	<4.0	<4.0	<5.0	<5.0	<5
APR 12...	30	210	<1.0	1.8	7	20	<4.0	<4.0	<5.0	<5.0	<5
MAY 18...	30	130	<1.0	<1.0	6	10	<4.0	<4.0	<5.0	<5.0	<5
JUN 20...	40	170	<1.0	<1.0	6	10	<4.0	<4.0	<5.0	<5.0	<5
JUL 13...	50	200	<1.0	<1.0	8	20	<4.0	<4.0	<5.0	<5.0	<5
AUG 16...	30	140	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	<5.0	<5
SEP 26...	<20	110	<1.0	<1.0	4	10	<4.0	<4.0	<5.0	<5.0	<5
01472150 French Creek at Coventryville, PA (LAT 40 10 16N LONG 075 41 26W)											
OCT 2004 18...	130	360	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
NOV 01...	120	350	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
DEC 08...	180	550	<1.0	<1.0	20	30	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 26...	60	1330	<1.0	1.5	20	60	<4.0	<4.0	<5.0	7.1	<5
014721986 West Branch Perkiomen Creek near Bally, PA (LAT 40 24 18N LONG 075 36 50W)											
FEB 2005 02...	30	100	<1.0	<1.0	8	8	<4.0	<4.0	<5.0	<5.0	<5
MAR 22...	40	150	<1.0	<1.0	6	9	<4.0	<4.0	<5.0	<5.0	<5
APR 12...	40	190	<1.0	<1.0	8	10	<4.0	<4.0	<5.0	<5.0	<5
MAY 18...	70	220	<1.0	<1.0	9	20	<4.0	<4.0	<5.0	<5.0	<5
JUN 20...	30	170	<1.0	<1.0	3	10	<4.0	<4.0	<5.0	<5.0	<5
JUL 13...	30	190	<1.0	<1.0	3	10	<4.0	<4.0	<5.0	<5.0	<5
AUG 16...	40	220	<1.0	<1.0	4	10	<4.0	<4.0	<5.0	<5.0	<5
SEP 26...	<20	90	<1.0	<1.0	3	7	<4.0	<4.0	<5.0	<5.0	<5
01473030 Perkiomen Creek at Arcola near Colledgeville, PA (LAT 40 09 11N LONG 075 27 21W)											
NOV 2004 08...	--	150	--	<1.0	--	<10	--	<50	--	<10	--
JAN 2005 06...	--	970	--	1.5	--	40	--	<50	--	<10	--
MAR 07...	--	110	--	<1.0	--	20	--	<50	--	<10	--
MAY 25...	--	100	--	<1.0	--	10	--	<50	--	<10	--
JUL 2005 21...	--	200	--	<1.0	--	40	--	<50	--	<10	--
SEP 21...	--	250	--	<1.0	--	30	--	<50	--	<10	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Press- ure, osmotic water, unfltrd mosm/kg (82550)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unfl- lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
NOV 2004 09...	1320	1028	9813	40	--	13.9	8.4	8.4	657	649	9.1	260	--
JAN 2005 31...	1220	1028	9813	41	--	16.2	8.3	8.3	693	703	4.3	240	--
MAR 15...	0930	1028	9813	38	--	14.6	8.1	8.3	740	747	5.0	260	--
MAY 11...	1230	1028	9813	37	--	12.9	8.4	8.4	664	648	15.2	240	--
JUL 07...	1230	1028	9813	21	--	8.7	8.0	8.3	637	654	17.9	250	--
SEP 08...	1000	1028	9813	15	--	11.7	8.1	8.3	655	674	15.0	260	--
01474010 Schuylkill R at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)													
NOV 2004 08...	1150	1028	9813	2970	--	11.9	7.8	7.9	353	349	10.4	140	--
JAN 2005 06...	1050	1028	9813	4050	--	13.3	7.8	7.9	365	358	6.8	130	--
MAR 07...	1250	1028	9813	3020	--	15.2	8.5	8.3	490	483	5.5	150	--
MAY 25...	1310	1028	9813	1600	--	9.7	7.8	8.0	444	429	16.6	160	--
JUL 21...	1210	1028	9813	2100	--	8.7	7.8	8.1	390	409	29.0	140	--
SEP 21...	1300	1028	9813	675	--	8.4	7.9	8.0	579	576	24.6	200	--
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)													
NOV 2004 02...	0810	1028	9813	--	--	11.0	6.6	7.0	182	180	11.1	58	--
JAN 2005 31...	0950	1028	9813	--	--	16.0	6.9	7.3	176	182	.2	56	--
MAR 16...	0850	1028	9813	--	--	15.4	7.1	7.4	188	186	3.2	58	--
MAY 10...	0940	1028	9813	--	--	11.5	7.5	7.6	177	173	13.8	57	--
JUL 06...	0930	1028	9813	--	--	9.9	7.3	7.4	174	180	21.3	59	--
SEP 06...	1020	1028	9813	--	--	11.1	7.4	6.8	192	197	18.9	65	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
NOV 2004 09...	55	--	29	210	--	<.2	23	430	4	.040	1.9	<.200	<.01
JAN 2005 31...	52	--	27	200	--	<.2	26	370	12	.040	2.3	<.200	.01
MAR 15...	54	--	29	210	--	<.2	26	420	4	<.020	2.2	<.040	<.01
MAY 11...	51	--	27	200	--	<.2	26	410	<2	<.020	2.0	<.040	<.01
JUL 07...	54	--	29	200	--	<.2	23	380	6	.030	1.9	<.040	.02
SEP 08...	52	--	31	210	--	<.2	24	380	18	.030	1.9	<.040	<.01
01474010 Schuylkill R at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)													
NOV 2004 08...	33	--	13	82	--	<.2	37	290	4	.090	2.8	<.040	.14
JAN 2005 06...	32	--	12	69	--	<.2	42	210	32	.180	3.1	.070	.14
MAR 07...	37	--	14	81	--	<.2	48	280	<2	.110	3.3	.060	.12
MAY 25...	37	--	16	87	--	<.2	62	290	4	.150	3.1	<.040	.28
JUL 21...	34	--	13	89	--	<.2	47	310	6	.100	3.2	.070	.23
SEP 21...	48	--	21	110	--	<.2	72	410	6	.120	4.3	.080	.51
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)													
NOV 2004 02...	13	--	6.4	29	--	--	11	120	10	<.020	4.5	<.040	<.01
JAN 2005 31...	12	--	6.1	21	--	--	12	120	24	<.020	5.4	<.040	.02
MAR 16...	13	--	6.1	25	--	--	12	150	2	<.020	5.3	<.040	<.01
MAY 10...	13	--	6.3	27	--	--	11	130	<2	<.020	4.6	<.040	<.01
JUL 06...	13	--	6.4	28	--	--	10	120	36	.040	4.3	<.040	.03
SEP 06...	14	--	7.1	32	--	--	9.9	170	10	.030	5.0	<.040	.02

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC 0.45µMF col/ 100 mL (31616)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Barium, water, unfltrd recover- able, µg/L (01007)	Cadmium water, fltrd, µg/L (01025)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)	Cyanide amen- able to chlor- ination wat unf mg/L (00722)
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)													
NOV 2004 09...	.02	2.1	1.3	--	--	--	<200	--	--	--	--	<10	<1.00
JAN 2005 31...	<.01	2.2	1.1	--	--	--	<200	--	--	--	--	<10	<1.00
MAR 15...	<.01	2.6	1.3	--	--	--	<200	--	--	--	--	<10	<1.00
MAY 11...	.01	2.3	--	--	--	--	<200	--	--	--	--	<10	<1.00
JUL 07...	.02	2.0	--	--	--	--	<200	--	--	--	--	<10	<1.00
SEP 08...	.02	1.8	--	--	--	--	<200	--	--	--	--	<10	<1.00
01474010 Schuylkill R at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)													
NOV 2004 08...	.17	3.3	3.5	--	--	--	<200	--	--	--	--	<10	<1.00
JAN 2005 06...	.20	3.6	2.0	--	--	--	500	--	--	--	--	<10	<1.00
MAR 07...	.14	4.0	2.5	--	--	--	<200	--	--	--	--	<10	<1.00
MAY 25...	.29	3.7	--	--	--	--	<200	--	--	--	--	<10	<1.00
JUL 21...	.22	3.5	--	--	--	--	<200	--	--	--	--	<10	<1.00
SEP 21...	.51	4.5	--	--	--	--	<200	--	--	--	--	<10	1.83
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)													
NOV 2004 02...	.02	4.7	2.1	--	--	--	<200	--	--	--	--	<10	--
JAN 2005 31...	.02	5.4	.8	--	--	--	<200	--	--	--	--	10	--
MAR 16...	<.01	5.5	1.3	--	--	--	<200	--	--	--	--	<10	--
MAY 10...	<.01	4.2	--	--	--	--	<200	--	--	--	--	<10	--
JUL 06...	.07	4.8	--	--	--	--	1100	--	--	--	--	<10	--
SEP 06...	.03	4.9	--	--	--	--	<200	--	--	--	--	<10	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS STATION ANALYSES

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
01473170 Valley Creek at Wilson Road near Valley Forge, PA (LAT 40 04 53N LONG 075 27 25W)											
NOV 2004 09...	--	40	--	<1.0	--	10	--	<50	--	<10	<5
JAN 2005 31...	--	80	--	<1.0	--	10	--	<50	--	<10	<5
MAR 15...	--	60	--	<1.0	--	20	--	<50	--	<10	<5
MAY 11...	--	80	--	<1.0	--	10	--	<50	--	30	<5
JUL 07...	--	100	--	<1.0	--	<10	--	<50	--	11	<5
SEP 08...	--	50	--	<1.0	--	<10	--	<50	--	<10	<5
01474010 Schuylkill R at Falls Bridge, Philadelphia, PA (LAT 40 00 30N LONG 075 11 52W)											
NOV 2004 08...	--	120	--	<1.0	--	20	--	<50	--	<10	<5
JAN 2005 06...	--	840	--	2.7	--	140	--	<50	--	20	<5
MAR 07...	--	140	--	<1.0	--	80	--	<50	--	<10	<5
MAY 25...	--	140	--	<1.0	--	60	--	<50	--	<10	<5
JUL 21...	--	130	--	<1.0	--	60	--	<50	--	<10	<5
SEP 21...	--	110	--	<1.0	--	60	--	<50	--	<10	<5
01494990 Big Elk Creek near Lewisville, PA (LAT 39 43 48N LONG 075 50 54W)											
NOV 2004 02...	--	80	--	<1.0	--	20	--	<50	--	<10	--
JAN 2005 31...	--	260	--	<1.0	--	40	--	<50	--	12	--
MAR 16...	--	90	--	<1.0	--	40	--	<50	--	<10	--
MAY 10...	--	100	--	<1.0	--	40	--	<50	--	<10	--
JUL 06...	--	1690	--	1.4	--	120	--	<50	--	<10	--
SEP 06...	--	100	--	<1.0	--	20	--	<50	--	<10	--

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

01480399 Chambers Lake near Wagontown, PA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS LAKE ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Drainage area, mi2 (81024)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
AUG 2005													
23...	1000	1028	80020	4.5	1.0	.80	8.2	9.0	133	26.9	53	12.7	5.15
23...	1030	1028	80020	4.5	11.0	.80	1.3	6.7	334	10.1	52	12.0	5.40

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + Nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, µg/L (01106)	Boron, water, fltrd, µg/L (01020)	Copper, water, fltrd, µg/L (01040)
AUG 2005													
23...	1.70	5.12	8.2	E.1	4.4	6.2	.05	<.06	<.008	<.02	--	26	--
23...	2.61	4.87	7.6	E.1	8.7	.2	2.87	<.06	.008	<.02	14	30	<.4

Date	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Manganese, water, fltrd, µg/L (01056)	Mercury, water, fltrd, µg/L (71890)	Zinc, water, fltrd, µg/L (01090)
AUG 2005					
23...	37	--	--	--	--
23...	12300	<.08	2920	<.01	<18

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS LAKE ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling depth, meters (00098)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unfltrd, μ S/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water unfltrd recover-able, mg/L (00916)	Magnesium, water, unfltrd recover-able, mg/L (00927)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (00417)	
01427252 Duck Harbor Pond near Lookout, PA (LAT 41 45 11N LONG 075 12 01W)														
AUG 2005	02...	1028	9813	1.0	9.5	8.3	--	42	26.9	15	5.1	.58	25	
	02...	1010	9813	21.0	.6	5.7	6.7	113	6.5	15	5.1	.58	25	
01446590 Minsi Lake near Roseto, PA (LAT 40 54 43N LONG 075 10 15W)														
AUG 2005	01...	1028	9813	1.0	8.5	9.0	--	83	27.5	32	9.7	2.0	26	
	01...	0935	1028	4.5	1.9	7.2	--	81	23.9	32	9.7	2.0	29	
01464640 Lake Galena near Chalfont, PA (LAT 40 19 01N LONG 075 12 15W)														
AUG 2005	16...	1028	9813	1.0	11.6	10.2	--	207	28.4	80	19	8.1	60	
	16...	1110	1028	11.0	.1	9.2	7.0	209	13.7	--	16	--	73	
01472124 Hopewell Lake at Hopewell, PA (LAT 40 12 16N LONG 075 46 43W)														
AUG 2005	18...	1028	9813	1.0	8.0	9.3	--	57	27.1	21	5.3	1.9	17	
	18...	0945	1028	4.0	.1	9.2	6.6	125	20.5	24	6.3	2.0	28	
0148064640 Struble Lake near Honey Brook, PA (LAT 40 06 28N LONG 075 51 51W)														
SEP 2005	12...	1028	9813	1.0	12.2	10.4	9.7	157	23.5	63	16	6.0	53	
	12...	1150	1028	4.0	3.0	9.6	8.4	154	22.6	62	14	6.4	52	
Date		Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd, mg/L as N (00610)	Total nitrogen, water, unfltrd, mg/L (00600)	Phosphorus, water, unfltrd, mg/L (00665)	Chlorophyll a phyton, uncorr, μ g/L (32230)	Aluminum, water, unfltrd, fltrd, μ g/L (01106)	Aluminum, water, unfltrd recover-able, μ g/L (01105)	Copper, water, unfltrd, fltrd, μ g/L (01040)	Copper, water, unfltrd recover-able, μ g/L (01042)	Iron, water, unfltrd, fltrd, μ g/L (01046)	Iron, water, unfltrd recover-able, μ g/L (01045)	Lead, water, fltrd, μ g/L (01049)
01427252 Duck Harbor Pond near Lookout, PA (LAT 41 45 11N LONG 075 12 01W)														
AUG 2005	02...	2.7	<2.0	.600	.80	.13	.012	30	40	<4	<4	3650	4020	<1.0
	02...	2.7	<2.0	.600	.80	.13	--	30	40	<4	<4	3650	4020	<1.0
01446590 Minsi Lake near Roseto, PA (LAT 40 54 43N LONG 075 10 15W)														
AUG 2005	01...	5.6	2.0	<.020	.93	<.01	.009	30	30	<4	<4	170	320	<1.0
	01...	4.8	6.0	<.020	.30	.03	--	20	20	<4	<4	240	530	<1.0
01464640 Lake Galena near Chalfont, PA (LAT 40 19 01N LONG 075 12 15W)														
AUG 2005	16...	18	12	<.020	.89	.05	.060	30	100	<4	<4	<20	170	1.0
	16...	6.5	70	1.62	2.2	.25	--	20	70	<4	<4	1900	2200	--
01472124 Hopewell Lake at Hopewell, PA (LAT 40 12 16N LONG 075 46 43W)														
AUG 2005	18...	5.4	18	.030	--	.03	.020	--	--	<4	<4	30	310	<1.0
	18...	3.5	26	.090	.91	.06	--	7	90	<4	<4	1300	2000	<1.0
0148064640 Struble Lake near Honey Brook, PA (LAT 40 06 28N LONG 075 51 51W)														
SEP 2005	12...	11	36	.040	1.1	.07	.059	10	260	<4	<4	50	820	<1.0
	12...	11	22	.040	1.1	.18	--	30	500	<4	<4	140	1430	<1.0

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MISCELLANEOUS LAKE ANALYSES

Date	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Zinc, water, unfltrd recover -able, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
01427252 Duck Harbor Pond near Lookout, PA (LAT 41 45 11N LONG 075 12 01W)					
AUG 2005					
02...	<1.0	2460	2550	<5.0	<5.0
02...	<1.0	2460	2550	<5.0	<5.0
01446590 Minsi Lake near Roseto, PA (LAT 40 54 43N LONG 075 10 15W)					
AUG 2005					
01...	<1.0	6	20	--	--
01...	<1.0	2	40	7.7	8.8
01464640 Lake Galena near Chalfont, PA (LAT 40 19 01N LONG 075 12 15W)					
AUG 2005					
16...	2.7	<2	40	<5.0	<5.0
16...	--	1800	1900	<5.0	<5.0
01472124 Hopewell Lake at Hopewell, PA (LAT 40 12 16N LONG 075 46 43W)					
AUG 2005					
18...	<1.0	4	90	<5.0	<5.0
18...	<1.0	2000	2300	<5.0	5.7
0148064640 Struble Lake near Honey Brook, PA (LAT 40 06 28N LONG 075 51 51W)					
SEP 2005					
12...	<1.0	9	150	<5.0	<5.0
12...	1.1	330	430	<5.0	<5.0

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

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. A dash (--) indicates there were no observations of the organism in the sample. Samples represent counts per 100 animal (approximate) subsamples.

**BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES**

Station number	01427000	01431600	01432119	01440650	01444800	01451070
Date	08/30/04	08/25/04	10/28/04	09/06/04	09/06/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Platyhelminthes						
Turbellaria (FLATWORMS)						
Tricladida						
Planariidae	2	--	--	--	3	--
Nematoda (NEMATODES)	--	--	3	--	--	--
Nemertea (PROBOSCIS WORMS)						
Enopla						
Hoploneurata						
Tetrastemmatidae						
Prostoma	2	3	1	1	--	--
Mollusca						
Gastropoda (SNAILS)						
Basommatophora						
Ancyliidae						
Ferrissia	2	1	--	--	--	--
Hydrobiidae						
Amnicola	--	--	--	--	1	--
Bivalvia (CLAMS)						
Veneroida						
Corbiculidae						
Corbicula fluminea	--	--	--	--	1	--
Sphaeriidae						
Pisidium	--	--	--	--	--	1
Sphaerium	10	9	--	--	1	--
Annelida						
Oligochaeta (AQUATIC EARTHWORMS)						
Lumbricina						
Lumbriculida	--	1	1	--	--	--
Lumbriculidae						
Lumbriculidae	10	17	14	5	--	12
Tubificida						
Naididae	--	--	--	--	3	--
Tubificidae	--	--	9	--	--	--
Polychaeta						
Sabellida						
Sabellidae						
Manayunkia speciosa	--	--	8	--	--	--
Arthropoda						
Acariformes						
Hydrachnidia (WATER MITES)	4	--	1	--	--	1
Crustacea						
Amphipoda (SCUDS)						
Crangonyctidae						
Crangonyx	--	--	--	--	--	--
Gammaridae						
Gammarus	--	--	--	--	2	--

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES

01452040	01473030	01473170	01474010	01494990	Station number
10/13/04	08/27/05	08/04/04	9/15/04	08/10/04	Date
Count	Count	Count	Count	Count	Benthic macroinvertebrate
					Platyhelminthes
					Turbellaria (FLATWORMS)
					Tricladida
33	9	3	2	--	Planariidae
--	--	--	--	4	Nematoda (NEMATODES)
					Nemertea (PROBOSCIS WORMS)
					Enopla
					Hoplonemertea
					Tetrastemmatidae
4	1	--	3	5	<i>Prostoma</i>
					Mollusca
					Gastropoda (SNAILS)
					Basommatophora
					Ancyliidae
--	--	--	--	--	<i>Ferrissia</i>
					Hydrobiidae
--	--	--	--	--	<i>Ammicola</i>
					Bivalvia (CLAMS)
					Veneroida
					Corbiculidae
--	--	--	--	--	<i>Corbicula fluminea</i>
					Sphaeriidae
--	--	--	--	--	<i>Pisidium</i>
--	--	--	--	--	<i>Sphaerium</i>
					Annelida
					Oligochaeta (AQUATIC EARTHWORMS)
--	--	--	--	--	Lumbricina
					Lumbriculida
--	--	5	--	--	Lumbriculidae
					Tubificida
--	3	--	--	1	Naididae
--	--	--	--	--	Tubificidae
					Polychaeta
					Sabellida
					Sabellidae
--	--	--	--	--	<i>Manayunkia speciosa</i>
					Arthropoda
					Acariformes
12	1	6	--	2	Hydrachnidia (WATER MITES)
					Crustacea
					Amphipoda (SCUDS)
					Crangonyctidae
1	--	--	--	--	<i>Crangonyx</i>
					Gammaridae
--	--	5	2	--	<i>Gammarus</i>

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES

Station number	01427000	01431600	01432119	01440650	01444800	01451070
Date	08/30/04	08/25/04	10/28/04	09/06/04	09/06/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Arthropoda						
Isopoda (AQUATIC SOWBUGS)						
Asellidae						
<i>Caecidotea</i>	--	--	--	--	--	--
Insecta						
Ephemeroptera (MAYFLIES)						
Baetidae						
<i>Acentrella</i>	7	24	1	106	49	--
<i>Baetis</i>	18	9	--	5	4	1
<i>Heterocloeon</i>	--	--	--	--	6	--
Caenidae						
<i>Caenis</i>	--	--	--	--	--	--
Ephemerellidae						
<i>Attenella</i>	--	13	--	--	--	--
<i>Dannella</i>	--	5	--	--	--	--
<i>Ephemerella</i>	4	--	2	--	--	--
<i>Eurylophella</i>	--	--	--	--	--	1
<i>Serratella</i>	30	--	14	3	1	--
Heptageniidae						
<i>Epeorus</i>	6	--	2	--	--	1
<i>Leucrocuta</i>	2	--	--	--	--	--
<i>Stenacron</i>	--	--	--	--	--	--
<i>Stenonema</i>	17	4	5	5	9	--
Isonychiidae						
<i>Isonychia</i>	--	4	--	1	7	1
Leptophlebiidae						
<i>Paraleptophlebia</i>	5	5	--	2	--	2
Tricorythidae						
<i>Tricorythodes</i>	--	--	--	--	2	--
Odonata (DRAGONFLIES AND DAMSELFLIES)						
Gomphidae						
	--	1	--	--	--	--
Plecoptera (STONEFLIES)						
Chloroperlidae						
<i>Haploperla</i>	--	2	--	--	--	--
Capniidae						
	--	--	--	--	--	--
Perlidae						
<i>Acroneuria</i>	--	6	2	--	--	1
<i>Aagnetina</i>	--	1	--	--	1	--
<i>Paragnetina</i>	--	--	--	--	--	3
Perlodidae						
<i>Isoperla</i>	--	--	1	--	--	--
Taeniopterygidae						
<i>Taenionema</i>	--	--	--	--	--	2
<i>Taeniopteryx</i>	--	--	1	--	--	7
Megaloptera						
Sialidae (ALDERFLIES)						
<i>Sialis</i>	1	1	--	--	--	--
Trichoptera (CADDISFLIES)						
Apataniidae						
<i>Apatania</i>	8	1	--	--	--	--

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES

01452040	01473030	01473170	01474010	01494990	Station number
10/13/04	08/27/05	08/04/04	09/15/04	08/10/04	Date
Count	Count	Count	Count	Count	Benthic macroinvertebrate
					Arthropoda
					Isopoda (AQUATIC SOWBUGS)
					Asellidae
1	--	--	--	--	<i>Caecidotea</i>
					Insecta
					Ephemeroptera (MAYFLIES)
		1	--	--	Baetidae
--	4	--	33	6	<i>Acentrella</i>
--	44	--	15	22	<i>Baetis</i>
--	1	--	--	--	<i>Heterocloeon</i>
					Caenidae
--	5	--	--	--	<i>Caenis</i>
					Ephemerellidae
--	--	--	--	--	<i>Attenella</i>
--	--	--	--	--	<i>Dannella</i>
--	--	--	--	--	<i>Ephemerella</i>
1	--	--	--	--	<i>Eurylophella</i>
--	--	--	--	--	<i>Serratella</i>
					Heptageniidae
					<i>Epeorus</i>
--	--	--	--	--	<i>Leucrocuta</i>
2	--	--	--	--	<i>Stenacron</i>
2	8	--	6	2	<i>Stenonema</i>
					Isonychiidae
--	--	--	--	1	<i>Isonychia</i>
					Leptophlebiidae
--	--	--	--	--	<i>Paraleptophlebia</i>
					Tricorythidae
--	--	--	7	--	<i>Tricorythodes</i>
					Odonata (DRAGONFLIES AND DAMSELFLIES)
					Gomphidae
					Plecoptera (STONEFLIES)
					Chloroperlidae
--	--	--	--	--	<i>Haploperla</i>
--	--	--	--	1	Capniidae
					Perlidae
--	--	--	--	--	<i>Acroneuria</i>
--	--	--	--	--	<i>Aagnetina</i>
--	--	--	--	--	<i>Paragnetina</i>
					Perlodidae
--	--	--	--	--	<i>Isoperla</i>
					Taeniopterygidae
--	--	--	--	--	<i>Taenionema</i>
--	--	--	--	--	<i>Taeniopteryx</i>
					Megaloptera
					Sialidae (ALDERFLIES)
--	--	--	--	--	<i>Sialis</i>
					Trichoptera (CADDISFLIES)
					Apataniidae
--	--	--	--	--	<i>Apatania</i>

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES

Station number	01427000	01431600	01432119	01440650	01444800	01451070
Date	08/30/04	08/25/04	10/28/04	09/06/04	09/06/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Trichoptera (CADDISFLIES)						
Brachycentridae						
<i>Brachycentrus</i>	2	--	3	--	--	--
Glossosomatidae						
<i>Glossosoma</i>	4	1	--	1	--	1
<i>Protoptila</i>	7	--	4	2	2	4
Hydropsychidae						
<i>Cheumatopsyche</i>	5	5	1	1	3	19
<i>Hydropsyche</i>	8	6	7	5	2	36
<i>Macrostemum</i>	--	--	1	--	2	--
<i>Potamyia</i>	2	1	--	1	--	--
Hydroptilidae						
<i>Leucotrichia</i>	--	--	--	--	1	2
Lepidostomatidae						
<i>Lepidostoma</i>	1	--	--	--	--	--
Leptoceridae						
<i>Oecetis</i>	1	--	--	--	--	--
Philopotamidae						
<i>Chimarra</i>	--	10	2	1	13	2
Polycentropodidae						
<i>Polycentropus</i>	--	--	--	--	--	--
Rhyacophilidae						
<i>Rhyacophila</i>	--	4	--	--	--	1
Lepidoptera (MOTHS AND BUTTERFLIES)						
Pyralidae						
<i>Petrophila</i>	--	--	--	--	--	--
Coleoptera (BEETLES)						
Elmidae (RIFFLE BEETLES)						
<i>Optioservus</i>	9	11	4	--	2	6
<i>Oulimnius</i>	--	--	1	--	--	2
<i>Stenelmis</i>	--	2	11	6	29	2
Psephenidae (WATER PENNIES)						
<i>Psephenus</i>	--	9	2	1	--	2
Diptera (TRUE FLIES)						
Athericidae						
<i>Atherix</i>	--	2	--	--	--	--
<i>Probezzia</i>	--	--	--	1	--	--
Chironomidae (MIDGES)						
	39	19	11	34	14	6
Empididae (DANCE FLIES)						
<i>Chelifera</i>	--	--	--	--	--	--
<i>Hemerodromia</i>	--	--	--	--	--	--
Simuliidae (BLACK FLIES)						
<i>Simulium</i>	9	--	--	7	2	--
Tipulidae (CRANE FLIES)						
<i>Antocha</i>	--	--	--	--	--	--
<i>Dicranota</i>	--	1	--	--	--	--
Total Organisms	215	178	113	188	160	118
Total Taxa	27	30	27	19	24	25

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES

01452040	01473030	01473170	01474010	01494990	Station number
10/13/04	08/27/05	08/04/04	09/15/04	08/10/04	Date
Count	Count	Count	Count	Count	Benthic macroinvertebrate
					Trichoptera (CADDISFLIES)
					Brachycentridae
--	--	--	--	--	<i>Brachycentrus</i>
					Glossosomatidae
--	--	1	--	--	<i>Glossosoma</i>
--	--	--	--	--	<i>Protoptila</i>
					Hydropsychidae
14	2	6	2	--	<i>Cheumatopsyche</i>
17	1	9	4	27	<i>Hydropsyche</i>
--	--	--	--	--	<i>Macrostemum</i>
--	--	--	--	--	<i>Potamyia</i>
					Hydroptilidae
14	4	--	--	1	<i>Leucotrichia</i>
					Lepidostomatidae
--	--	--	--	--	<i>Lepidostoma</i>
					Leptoceridae
--	--	--	--	--	<i>Oecetis</i>
					Philopotamidae
--	13	2	--	--	<i>Chimarra</i>
					Polycentropodidae
--	--	1	--	--	<i>Polycentropus</i>
					Rhyacophilidae
--	--	--	--	--	<i>Rhyacophila</i>
					Lepidoptera (MOTHS AND BUTTERFLIES)
					Pyrilidae
--	1	--	--	--	<i>Petrophila</i>
					Coleoptera (BEETLES)
					Elmidae (RIFFLE BEETLES)
3	2	23	2	--	<i>Optioservus</i>
--	--	13	--	--	<i>Oulimnius</i>
6	29	19	39	--	<i>Stenelmis</i>
					Psephenidae (WATER PENNIES)
1	4	1	--	--	<i>Psephenus</i>
					Diptera (TRUE FLIES)
					Athericidae
--	--	--	--	--	<i>Atherix</i>
--	--	--	--	--	<i>Probezzia</i>
17	98	23	20	33	Chironomidae (MIDGES)
					Empididae (DANCE FLIES)
--	--	1	--	--	<i>Chelifera</i>
1	--	2	--	7	<i>Hemerodromia</i>
					Simuliidae (BLACK FLIES)
1	--	6	--	3	<i>Simulium</i>
					Tipulidae (CRANE FLIES)
2	--	1	--	1	<i>Antocha</i>
--	--	--	--	--	<i>Dicranota</i>
132	230	128	135	116	Total Organisms
18	18	19	12	15	Total Taxa

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

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. A dash (--) indicates there were no observations of the organism in the sample. Samples represent counts per 200 animal (approximate) subsamples.

**BIOLOGICAL DATA. WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES**

Station number	01429301	01438760	01447300	01449375	01457790	01458900	01472150
Date	12/29/03	11/24/03	11/24/03	11/24/03	11/05/03	12/09/03	11/13/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Platyhelminthes							
Turbellaria (FLATWORMS)							
Tricladida							
Planariidae	--	--	--	--	8	--	--
Nematoda (NEMATODES)							
	--	--	--	--	--	--	2
Mollusca							
Gastropoda (SNAILS)							
Basommatophora							
Planorbidae							
<i>Planorbella</i>	--	--	--	--	--	1	--
Bivalvia (CLAMS)							
Sphaeriidae	--	--	--	2	--	--	--
<i>Sphaerium</i>	--	--	--	--	--	--	2
Annelida							
Oligochaeta (AQUATIC EARTHWORMS)							
Lumbriculida							
Lumbriculidae	1	2	4	--	47	--	--
Tubificida							
Enchytraeidae	--	--	--	1	--	--	--
Naididae	--	--	4	5	1	--	--
Tubificidae	--	--	2	--	--	--	--
Arthropoda							
Acariformes							
Hydrachnidia (WATER MITES)	--	--	1	2	--	--	4
Crustacea							
Amphipoda (SCUDS)							
Gammaridae							
<i>Gammarus</i>	--	--	--	--	19	--	--
Insecta							
Ephemeroptera (MAYFLIES)							
Baetidae							
<i>Acentrella</i>	--	--	--	--	1	--	1
<i>Baetis</i>	--	22	--	2	1	9	1
Caenidae							
<i>Caenis</i>	--	--	--	--	--	2	--
Ephemerellidae							
<i>Drunella</i>	65	--	--	--	--	--	--
<i>Ephemerella</i>	10	17	--	14	56	6	7
<i>Eurylophella</i>	--	--	8	--	--	2	--
<i>Serratella</i>	4	8	--	3	2	3	4
Ephemeridae							
<i>Ephemera</i>	1	--	--	--	--	--	--
Heptageniidae							
<i>Epeorus</i>	5	72	2	5	4	--	--
<i>Stenacron</i>	1	--	--	--	--	--	--
<i>Stenonema</i>	2	--	3	5	1	7	5
Isonychiidae							
<i>Isonychia</i>	--	2	--	--	--	1	7
Leptophlebiidae							
<i>Paraleptophlebia</i>	23	19	3	6	--	--	--

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

**BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES**

Station number	01429301	01438760	01447300	01449375	01457790	01458900	01472150
Date	12/29/03	11/24/03	11/24/03	11/24/03	11/05/03	12/09/03	11/13/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Ephemeroptera (MAYFLIES)							
Siphonuridae							
<i>Ameletus</i>	--	--	--	--	--	1	--
Odonata (DRAGONFLIES AND DAMSELFLIES)							
Coenagrionidae							
<i>Argia</i>	--	--	--	--	--	--	1
Gomphidae							
<i>Lanthus</i>	--	1	--	1	--	1	--
Plecoptera (STONEFLIES)							
Capniidae							
<i>Allocaenia</i>	26	--	--	--	--	32	10
<i>Paracania</i>	--	1	38	1	--	--	--
Chloroperlidae							
<i>Sweltsa</i>	--	5	--	1	--	--	--
Leuctridae							
<i>Leuctra</i>	1	1	42	3	--	--	--
Nemouridae							
<i>Amphinemura</i>	--	--	4	1	--	--	--
Peltoperlidae							
<i>Tallaperla</i>	--	--	--	8	--	--	--
Perlidae							
<i>Acroneuria</i>	1	3	2	--	--	--	3
<i>Agnatina</i>	--	--	--	--	3	--	--
<i>Paragnetina</i>	--	1	--	--	--	--	--
Perlodidae							
<i>Isoperla</i>	--	1	--	9	--	--	--
<i>Malirekus</i>	--	--	--	1	--	--	--
Taeniopterygidae							
<i>Taenionema</i>	14	7	--	2	--	8	13
<i>Taeniopteryx</i>	1	--	3	1	--	--	41
Trichoptera (CADDISFLIES)							
Apataniidae							
<i>Apatania</i>	--	1	--	--	1	--	--
<i>Micrasema</i>	--	--	--	--	--	--	1
Glossosomatidae							
<i>Agapetus</i>	--	--	--	1	--	--	--
<i>Glossosoma</i>	--	--	--	--	5	--	--
Hydropsychidae							
<i>Cheumatopsyche</i>	5	1	--	--	27	55	27
<i>Diplectronea</i>	--	4	42	3	--	--	--
<i>Hydropsyche</i>	3	2	7	2	9	24	50
Hydroptilidae							
<i>Leucotrichia</i>	--	--	--	--	--	--	2
Lepidostomatidae							
<i>Lepidostoma</i>	2	4	2	4	1	2	--
Limnephilidae							
<i>Hydatophylax</i>	--	1	--	--	--	--	--
Odontoceridae							
<i>Psilotreta</i>	--	--	--	1	--	--	--
Philopotamidae							
<i>Chimarra</i>	1	--	--	--	11	8	5
<i>Dolophilodes</i>	--	8	3	17	--	--	--
Polycentropodidae							
<i>Neureclipsis</i>	--	--	1	--	--	--	--
<i>Neureclipsis</i>	--	--	--	--	1	--	--

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2005
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES

Station number	01429301	01438760	01447300	01449375	01457790	01458900	01472150
Date	12/29/03	11/24/03	11/24/03	11/24/03	11/05/03	12/09/03	11/13/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Trichoptera (CADDISFLIES)							
Psychomyiidae							
<i>Lype</i>	--	1	--	--	--	--	--
Rhyacophilidae							
<i>Rhyacophila</i>	--	3	11	12	--	--	--
Uenoidae							
<i>Neophylax</i>	2	1	--	--	--	--	--
Lepidoptera (MOTHS AND BUTTERFLIES)							
Pyralidae							
	--	--	--	--	1	--	--
Coleoptera (BEETLES)							
Elmidae (RIFFLE BEETLES)							
<i>Optioservus</i>	3	--	--	2	42	--	10
<i>Oulimnius</i>	1	--	5	3	2	--	1
<i>Promoresia</i>	--	--	--	22	--	--	1
<i>Stenelmis</i>	--	--	--	--	--	2	1
Psephenidae (WATER PENNIES)							
<i>Psephenus</i>	2	1	--	--	3	5	1
Diptera (TRUE FLIES)							
Chironomidae (MIDGES)							
	11	32	42	55	16	23	19
Empididae (DANCE FLIES)							
<i>Chelifera</i>	--	--	--	1	--	--	--
<i>Hemerodromia</i>	1	--	--	1	2	4	3
Simuliidae (BLACK FLIES)							
<i>Prosimulium</i>	19	13	5	17	--	29	--
<i>Simulium</i>	--	--	--	2	1	1	2
Tipulidae (CRANE FLIES)							
<i>Antocha</i>	5	1	--	--	--	--	2
<i>Hexatoma</i>	--	2	--	--	--	1	--
<i>Tipula</i>	--	--	--	1	--	1	--
Total Organisms	217	241	234	221	268	228	226
Total Taxa	27	31	22	38	27	24	28

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

01427510 DELAWARE RIVER AT CALLICOON, NY

**BIOLOGICAL DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES**

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	08/30/04
Benthic macroinvertebrate	Count
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Hydrobiidae	
<i>Amnicola</i>	1
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	22
Arthropoda	
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<i>Acentrella</i>	25
<i>Baetis</i>	2
Caenidae	
<i>Caenis</i>	1
Ephemerellidae	
<i>Serratella</i>	5
Heptageniidae	
<i>Leucrocuta</i>	1
Isonychiidae	
<i>Isonychia</i>	1
Leptophlebiidae	1
Plecoptera (STONEFLIES)	
Perlidae	
<i>Acroneuria</i>	2
Trichoptera (CADDISFLIES)	
Apataniidae	
<i>Apatania</i>	3
Glossosomatidae	
<i>Protoptila</i>	2
Helicopsychidae	
<i>Helicopsyche</i>	3
Hydropsychidae	
<i>Cheumatopsyche</i>	1
<i>Hydropsyche</i>	3
Limnephilidae	
<i>Hydatophylax</i>	1
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<i>Optioservus</i>	4
<i>Stenelmis</i>	10
Psephenidae (WATER PENNIES)	
<i>Psephenus</i>	1

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

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

**BIOLOGICAL DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES**

Date	08/30/04
Benthic macroinvertebrate	Count
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	40
Empididae (DANCE FLIES)	
<i>Hemerodromia</i>	1
Simuliidae (BLACK FLIES)	
<i>Simulium</i>	2
Tipulidae (CRANE FLIES)	
<i>Antocha</i>	1
Total Organisms	136
Total Taxa	24

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

01434000 DELAWARE RIVER AT PORT JERVIS, NY

**BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES**

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	08/31/04
Benthic macroinvertebrate	Count
Nemertea (PROBOSCIS WORMS)	
Enopla	
Hoplonemertea	
Tetrastemmatidae	
<i>Prostoma</i>	4
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Ancylidae	
<i>Ferrissia</i>	1
Hydrobiidae	
<i>Ammicola</i>	8
Physidae	
<i>Physa</i>	1
Bivalvia (CLAMS)	
Veneroida	
Sphaeriidae	
<i>Sphaerium</i>	4
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	6
Tubificida	
Tubificidae	1
Arthropoda	
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<i>Acentrella</i>	5
<i>Baetis</i>	6
Ephemerellidae	
<i>Attenella</i>	1
<i>Serratella</i>	3
Heptageniidae	
<i>Leucrocuta</i>	9
<i>Stenonema</i>	7
<i>Stenonema</i>	5
Isonychiidae	
<i>Isonychia</i>	7
Tricorythidae	
<i>Tricorythodes</i>	1
Odonata	
Coenagrionidae (DAMSELFLIES)	
<i>Argia</i>	1
Plecoptera (STONEFLIES)	
Perlidae	
<i>Acroneuria</i>	2
<i>Paragnetina</i>	2

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

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

**BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES**

Date	08/31/04
Benthic macroinvertebrate	Count
Trichoptera (CADDISFLIES)	
Glossosomatidae	
<i>Protoptila</i>	1
Helicopsychidae	
<i>Helicopsyche</i>	2
Hydropsychidae	
<i>Cheumatopsyche</i>	6
<i>Hydropsche</i>	3
<i>Potamyia</i>	9
Philopotamidae	
<i>Chimarra</i>	8
Polycentropodidae	
<i>Neureclipsis</i>	1
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<i>Stenelmis</i>	8
Psephenidae (WATER PENNIES)	
<i>Psephenus</i>	3
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	
	14
Total Organisms	129
Total Taxa	29