

**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, 17 biological 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 Susquehanna River Basin. Data from the Delaware River Basin and Ohio River Basin can be found in Volumes 1 and 3 of the USGS Pennsylvania Water Resources Data Reports.

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**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES
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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)
01502771	306	Susquehanna River near Great Bend, PA	41° 57' 48"	75° 44' 33"	2,086
^a 01518700	324	Tioga River at Tioga Junction, PA	41° 57' 09"	77° 06' 56"	446
^a 01520000	320	Cowanisque River near Lawrenceville, PA	41° 59' 48"	77° 08' 25"	298
01531490	333	Sugar Creek near Towanda, PA	41° 47' 27"	76° 27' 45"	188
^a 01531500	305	Susquehanna River at Towanda, PA (Biological only)	41° 45' 55"	76° 26' 28"	7,797
^a 01532000	318	Towanda Creek near Monroeton, PA	41° 42' 25"	76° 29' 06"	215
01532950	334	Wyalusing Creek near Wyalusing, PA	41° 41' 49"	76° 13' 52"	215
01533610	340	Unnamed Tributary to Tunkhannock Creek at Gelatt, PA (Reference Station)	41° 48' 30"	75° 34' 50"	9.00
^a 01534000	317	Tunkhannock Creek near Tunkhannock, PA	41° 33' 30"	75° 53' 42"	383
01534090	323	Susquehanna River at Falls, PA	41° 27' 42"	75° 51' 15"	9,440
^a 01536000	313	Lackawanna River at Old Forge, PA	41° 21' 33"	75° 44' 41"	332
01537700	302	Susquehanna River near Hunlock Creek, PA (Biological only)	41° 11' 19"	76° 05' 13"	10,140
01538600	309	Nescopeck Creek at Nescopeck, PA	41° 02' 46"	76° 13' 28"	171
01538709	325	West Branch Fishing Creek near Elk Grove, PA (Reference station)	41° 18' 20"	76° 25' 51"	20.2
01539350	339	Little Fishing Creek above Wolfhouse Run near Millville, PA (Reference Station)	41° 09' 58"	76° 30' 14"	19.1
015400021	308	Fishing Creek near Bloomsburg, PA	40° 59' 37"	76° 28' 33"	379
^a 01540500	301	Susquehanna River at Danville, PA (Biological only)	40° 57' 29"	76° 37' 10"	11,220
^a 01541000	406	West Branch Susquehanna River at Bower, PA	40° 53' 49"	78° 40' 38"	315
^a 01541500	422	Clearfield Creek at Dimeling, PA	40° 58' 18"	78° 24' 22"	371
01542790	439	Bennett Branch Sinnemahoning Creek at Driftwood, PA	41° 20' 02"	78° 08' 10"	365
^a 01543000	420	Driftwood Branch Sinnemahoning Creek at Sterling Run, PA	41° 24' 48"	78° 11' 50"	272
^a 01543500	418	Sinnemahoning Creek at Sinnemahoning, PA	41° 19' 02"	78° 06' 12"	685
01543830	454	First Fork Sinnemahoning Creek at Berge Run, PA (Reference station)	41° 28' 33"	78° 03' 02"	205
^a 01544000	419	First Fork Sinnemahoning Creek near Sinnemahoning, PA	41° 24' 06"	78° 01' 28"	245
^a 01545000	434	Kettle Creek near Westport, PA	41° 19' 10"	77° 52' 27"	233
^a 01546500	415	Spring Creek near Axemann, PA	40° 53' 23"	77° 47' 40"	87.2
01547400	413	Bald Eagle Creek near Milesburg, PA	40° 58' 31"	77° 44' 35"	296
01547980	423	Beech Creek at Beech Creek, PA	41° 04' 29"	77° 35' 30"	170
01548038	450	Fishing Creek near Nittany, PA (Reference station)	40° 59' 01"	77° 31' 01"	72.0
01548075	433	Fishing Creek near Cedar Springs, PA	41° 04' 31"	77° 28' 40"	137
01548077	452	Cedar Run at Cedar Springs near Mill Hall, PA (Reference station)	41° 04' 40"	77° 29' 01"	14.8
01548085	445	Bald Eagle Creek at Castanea, PA (Biological only)	41° 07' 35"	77° 26' 00"	768
01548476	453	Cedar Run ab Mine Hole Run nr Cedar Run, PA (Reference station)	41° 33' 19"	77° 27' 36"	26.3
01549590	429	Little Pine Creek below Reservoir near Waterville, PA	41° 21' 06"	77° 21' 20"	172
^a 01549700	410	Pine Creek below Little Pine Creek near Waterville, PA	41° 16' 25"	77° 19' 28"	944
^a 01550000	409	Lycoming Creek near Trout Run, PA	41° 25' 06"	77° 01' 59"	173
^a 01551500	402	West Branch Susquehanna River at Williamsport, PA	41° 14' 10"	76° 59' 49"	5,682
^a 01552000	408	Loyalsock Creek at Loyalsockville, PA	41° 19' 30"	76° 54' 46"	435
^a 01552500	446	Muncy Creek near Sonestown, PA	41° 21' 25"	76° 32' 06"	23.8
01553005	444	Muncy Creek near Muncy, PA	41° 12' 27"	76° 45' 09"	209

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

Station number	WQN No.	Location	Latitude	Longitude	Drainage area (mi ²)
01553430	447	Spruce Run above Spruce Run Reservoir near Mazeppa, PA (Reference Station)	41° 01' 27"	77° 03' 54"	6.70
^a 01553500	401	West Branch Susquehanna River at Lewisburg, PA (Biological only)	40° 58' 05"	76° 52' 25"	6,847
01553990	203	Susquehanna River above Dam at Sunbury, PA	40° 51' 13"	76° 48' 08"	18,300
01554600	268	Penns Creek at Farmers Mills near Spring Mills, PA (Reference Station) (Biological only)	40° 51' 57"	77° 36' 35"	13.5
01554665	277	Elk Creek at Spring Bank near Millheim, PA (Reference station)	40° 55' 24"	77° 28' 40"	31.0
^a 01555000		Penns Creek at Penns Creek (Biological only)	40° 52' 00"	77° 02' 55"	301
01555210	228	Middle Creek near Selinsgrove, PA	40° 46' 29"	76° 52' 11"	174
01555859	252	Beaverdam Branch Juniata River near Hollidaysburg, PA	40° 25' 50"	78° 21' 50"	75.4
01556009	224	Frankstown Branch Juniata River at RR at Williamsburg, PA	40° 28' 19"	78° 11' 13"	296
01557990	274	Sinking Run near Spruce Creek, PA (Reference station)	40° 36' 39"	78° 11' 17"	28.3
^a 01558000	217	Little Juniata River at Spruce Creek, PA	40° 36' 45"	78° 08' 27"	220
^a 01562000	223	Raystown Branch Juniata River at Saxton, PA (Biological only)	40° 12' 57"	78° 15' 56"	756
01564515	249	Aughwick Creek at Aughwick Mills, PA (Reference Station)	40° 20' 05"	77° 51' 36"	356
01566005	276	East Licking Creek above reservoir near Lewistown, PA (Reference station)	40° 32' 48"	77° 31' 40"	21.9
^a 01567000	214	Juniata River at Newport, PA (Biological only)	40° 28' 42"	77° 07' 46"	3,354
01567795	270	Letort Spring Run at Bonny Brook near Carlisle, PA (Reference Station)	40° 10' 39"	77° 11' 10"	7.26
01569195	275	Conodoguinet Creek above reservoir near Roxbury, PA (Reference station)	40° 05' 38"	77° 43' 15"	27.2
01570400	240	Conodoguinet Creek at mouth at West Fairview, PA (Biological only)	40° 16' 17"	76° 54' 51"	506
01571505	212	Yellow Breeches Creek at New Cumberland, PA	40° 13' 27"	76° 51' 38"	218
01573610	211	Swatara Creek at Harrisburg Airport at Middletown, PA (Biological only)	40° 11' 28"	76° 43' 52"	571
01573750	267	Conewago Creek near Arendtsville, PA (Reference Station)	39° 56' 13"	77° 21' 58"	6.90
^a 01574000	210	West Conewago Creek near Manchester, PA (Biological only)	40° 04' 56"	76° 43' 13"	510
01575900	206	Chickies Creek near Marietta, PA	40° 03' 46"	76° 30' 57"	108
01576003	201	Susquehanna River at Columbia, PA (Biological only)	40° 01' 42"	76° 31' 05"	25,990
^a 01576754	231	Conestoga River at Conestoga, PA (Biological only)	39° 56' 47"	76° 22' 05"	470
^a 01576787	204	Pequea Creek at Martic Forge, PA (Biological only)	39° 54' 21"	76° 19' 43"	148
01613500	505	Licking Creek near Sylvan, PA (Biological only)	39° 43' 23"	78° 03' 38"	158
01614500	501	Conococheague Creek at Fairview, MD (Biological only)	39° 42' 59"	77° 49' 29"	494

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

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES
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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	Drainage area (mi ²)
01534380	L309	Crystal Lake near Dandaff, PA	41° 38' 08"	75° 31' 55"	0.56
01543896	L407	George B. Stevenson Lake near First Fork, PA	41° 24' 35"	78° 01' 15"	243
^a 01544800	L404	Kettle Creek Lake at Kettle Creek Dam, PA	41° 21' 37"	77° 55' 27"	226
01552070	L406	Rose Valley Lake near Bodines, PA	41° 23' 12"	76° 59' 54"	3.43
01553650	L405	Lake Chillisquaque near White Hall, PA	41° 06' 08"	76° 39' 41"	5.52
01555124	L306	Faylor Lake at Beaver Springs, PA	40° 45' 47"	77° 12' 51"	33.3
01555142	L308	Walker Lake at Troxelville, PA	40° 47' 48"	77° 11' 47"	18.5
01564950	L209	Laurel Creek Reservoir near Milroy, PA	40° 43' 48"	77° 37' 45"	
01569200	L210	Letterkenny Reservoir near Roxbury, PA	40° 06' 52"	77° 41' 18"	32.8
01569765	L208	Opossum Lake near Plainfield, PA	40° 13' 32"	77° 16' 32"	4.98
01603700	L504	Lake Koon near Cooks Mill, PA	39° 45' 52"	78° 39' 54"	41.6
01603800	L503	Lake Gordon near Cooks Mill, PA	39° 44' 52"	78° 40' 34"	51.8

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

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

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)	Sampling method, code (82398)	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)
01502771 Susquehanna River near Great Bend, PA (LAT 41 57 48N LONG 075 44 33W)													
NOV 2004 16...	1030	1028	9813	--	40	11.2	8.0	7.7	192	183	2.8	75	--
JAN 2005 12...	0900	1028	9813	--	40	13.6	7.5	8.0	166	158	1.1	58	--
MAR 21...	1240	1028	9813	--	40	13.6	7.8	7.7	207	191	2.9	69	--
MAY 18...	1400	1028	9813	--	40	11.2	8.5	8.1	211	206	16.8	76	--
JUL 05...	1530	1028	9813	--	40	9.4	8.4	8.3	230	225	25.9	81	--
SEP 22...	1200	1028	9813	--	40	9.5	8.2	7.4	254	263	20.2	91	--
01531490 Sugar Creek near Towanda, PA (LAT 41 47 27N LONG 076 27 45W)													
NOV 2004 02...	1015	1028	9813	95	30	12.8	8.3	8.1	201	194	10.6	62	--
JAN 2005 25...	1145	1028	9813	140	30	14.8	7.5	7.4	172	165	.1	66	--
MAR 08...	1330	1028	9813	1340	30	14.9	7.7	7.6	138	138	.2	56	--
MAY 17...	1500	1028	9813	46	30	11.0	8.7	8.5	220	216	17.8	81	--
JUL 06...	1300	1028	9813	17	30	9.2	8.3	8.4	251	253	24.1	95	--
SEP 13...	1420	1028	9813	5.0	30	11.1	8.2	8.4	283	290	22.8	110	--
Date	Calcium water unfltrd recoverable, mg/L (00916)	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfltrd recoverable, mg/L (00927)	ANC, wat unfl fixed end pt, lab, mg/L as CaCO3 (00417)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, unfltrd, mg/L (00951)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat flt (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-phosphate, water, unfltrd, mg/L as P (70507)
01502771 Susquehanna River near Great Bend, PA (LAT 41 57 48N LONG 075 44 33W)													
NOV 2004 16...	25.3	--	2.9	65	--	--	<1.0	126	6	<.020	.41	<.040	<.01
JAN 2005 12...	19.3	--	2.4	49	--	--	8.3	122	8	<.020	.59	<.040	.01
MAR 21...	23.1	--	2.8	55	--	--	9.1	150	6	<.020	.72	<.040	.02
MAY 18...	25.3	--	3.1	68	--	--	9.7	184	8	<.020	.33	<.040	<.01
JUL 05...	26.8	--	3.5	70	--	--	10.7	140	6	<.020	.31	<.040	.01
SEP 22...	30.0	--	4.0	79	--	--	13.1	188	40	<.020	<.04	<.040	.03
01531490 Sugar Creek near Towanda, PA (LAT 41 47 27N LONG 076 27 45W)													
NOV 2004 02...	24.0	--	.49	69	--	--	11.7	104	8	<.020	.08	<.040	<.01
JAN 2005 25...	20.4	--	3.7	49	--	--	15.5	96	<2	.160	1.48	<.040	.02
MAR 08...	15.0	--	4.4	36	--	--	9.2	108	226	.180	.87	<.040	.06
MAY 17...	24.4	--	4.8	75	--	--	14.7	146	<2	<.020	.06	<.040	<.01
JUL 06...	29.2	--	5.4	86	--	--	12.8	134	8	.020	<.04	<.040	.01
SEP 13...	32.0	--	6.4	91	--	--	18.2	194	2	.030	<.04	<.040	.01

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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, recover fltrd, -able, µg/L (01106)	Alum- inum, water, recover fltrd, -able, µg/L (01105)	Arsenic water, recover fltrd, -able, µg/L (01000)	Barium, water, recover fltrd, -able, µg/L (01007)	Cadmium water, recover fltrd, -able, µg/L (01025)	Copper, water, recover fltrd, -able, µg/L (01040)	Copper, water, unfltrd recover -able, µg/L (01042)
01502771 Susquehanna River near Great Bend, PA (LAT 41 57 48N LONG 075 44 33W)												
NOV 2004 16...	<.010	.66	2.1	--	--	--	<200	--	--	--	--	<10
JAN 2005 12...	.015	.63	1.7	--	--	--	<200	--	--	--	--	<10
MAR 21...	.026	.80	1.6	--	--	--	<200	--	--	--	--	<10
MAY 18...	.011	.53	--	--	--	--	<200	--	--	--	--	<10
JUL 05...	.026	.53	--	--	--	--	<200	--	--	--	--	<10
SEP 22...	.043	.31	--	--	--	--	390	--	--	--	--	<10
01531490 Sugar Creek near Towanda, PA (LAT 41 47 27N LONG 076 27 45W)												
NOV 2004 02...	.017	.29	3.4	--	--	--	<200	--	--	--	--	<10
JAN 2005 25...	.023	1.8	2.2	--	--	--	250	--	--	--	--	<10
MAR 08...	.264	1.7	5.1	--	--	--	4800	--	--	--	--	10
MAY 17...	.013	.26	--	--	--	--	<200	--	--	--	--	<10
JUL 06...	.019	.19	--	--	--	--	<200	--	--	--	--	<10
SEP 13...	.018	.21	--	--	--	--	<200	--	--	--	--	<10
Date	Iron, water, recover fltrd, µg/L (01046)	Iron, water, unfltrd recover µg/L (01045)	Lead, water, recover fltrd, µg/L (01049)	Lead, water, recover fltrd, µg/L (01051)	Mangan- ese, water, recover fltrd, µg/L (01056)	Mangan- ese, water, recover fltrd, µg/L (01055)	Nickel, water, recover fltrd, µg/L (01065)	Nickel, water, recover fltrd, µg/L (01067)	Zinc, water, recover fltrd, µg/L (01090)	Zinc, water, recover fltrd, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)	
01502771 Susquehanna River near Great Bend, PA (LAT 41 57 48N LONG 075 44 33W)												
NOV 2004 16...	--	170	--	<1.0	--	20	--	<50	--	<10	--	
JAN 2005 12...	--	360	--	<1.0	--	30	--	<50	--	<10	--	
MAR 21...	--	280	--	<1.0	--	30	--	<50	--	<10	--	
MAY 18...	--	140	--	<1.0	--	30	--	<50	--	<10	--	
JUL 05...	--	150	--	1.2	--	30	--	<50	--	20	--	
SEP 22...	--	710	--	<1.0	--	120	--	<50	--	<10	--	
01531490 Sugar Creek near Towanda, PA (LAT 41 47 27N LONG 076 27 45W)												
NOV 2004 02...	--	120	--	<1.0	--	<10	--	<50	--	<10	--	
JAN 2005 25...	--	340	--	<1.0	--	20	--	<50	--	<10	--	
MAR 08...	--	8410	--	3.8	--	250	--	<50	--	30	--	
MAY 17...	--	60	--	<1.0	--	10	--	<50	--	<10	--	
JUL 06...	--	80	--	<1.0	--	20	--	<50	--	<10	--	
SEP 13...	--	80	--	<1.0	--	20	--	<50	--	<10	--	

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MISCELLANEOUS STATION ANALYSES

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf 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)
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)													
NOV 2004 04...	1110	1028	9813	93	30	12.9	7.8	7.4	100	101	7.1	33	--
JAN 2005 25...	1330	1028	9813	E170	30	14.7	7.2	7.0	88	93	.3	28	--
MAR 08...	1540	1028	9813	659	30	15.3	7.6	7.4	102	101	.2	31	--
MAY 18...	1200	1028	9813	56	30	12.0	8.5	8.0	113	110	15.8	37	--
JUL 06...	1130	1028	9813	9.0	30	10.5	8.6	8.7	136	139	23.7	46	--
SEP 14...	1140	1028	9813	11	30	11.1	8.9	7.8	142	146	22.2	49	--
01533610 Unnamed Trib to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)													
OCT 2004 07...	1540	1028	9813	10	30	11.5	7.6	7.5	85	83	11.4	33	--
NOV 16...	1330	1028	9813	6.5	30	13.7	7.4	7.1	93	90	3.3	35	--
DEC 13...	1600	1028	9813	31	30	12.9	7.0	7.6	70	61	3.9	25	--
JAN 2005 11...	0900	1028	9813	18	30	13.5	6.5	7.7	80	72	1.8	28	--
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)													
NOV 2004 03...	1345	1028	9813	7310	40	12.4	8.4	8.2	238	245	11.5	82	--
JAN 2005 10...	1345	1028	9813	26000	40	13.3	7.4	8.0	198	190	1.8	60	--
MAR 07...	1510	1028	9813	8880	40	14.2	8.0	8.0	259	252	2.4	88	--
MAY 16...	1400	1028	9813	5960	40	10.2	8.8	8.5	266	269	18.8	96	--
JUL 28...	1330	1028	9813	1760	40	8.0	8.7	8.4	315	315	26.5	110	--
SEP 22...	0900	1028	9813	1140	40	8.4	8.5	8.2	383	400	22.2	110	--
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)													
NOV 2004 09...	1245	1028	9813	668	40	13.2	5.5	5.3	289	278	6.0	100	--
JAN 2005 06...	1220	1028	9813	1200	40	11.9	--	6.5	266	265	3.9	65	--
MAR 14...	1345	1028	9813	315	40	13.2	6.2	6.2	310	312	3.9	80	--
MAY 02...	1330	1028	9813	226	40	10.2	5.1	5.1	316	311	9.8	120	--
JUL 25...	1100	1028	9813	72	40	9.7	4.8	4.9	464	470	21.4	160	--
SEP 06...	1230	1028	9813	51	40	9.8	4.8	4.8	492	506	19.1	180	--

**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)	Magnesium water, fltrd, mg/L (00925)	Magnesium water, unfltrd recover-able, mg/L (00927)	ANC, wat unfixed end pt, lab, mg/L as CaCO3 (00417)	Chloride, water, fltrd, mg/L (00940)	Fluoride, 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 as N mg/L (00610)	Nitrate water, unfltrd as N mg/L (00620)	Nitrite water, unfltrd as N mg/L (00615)	Ortho-phosphate, water, unfltrd as P mg/L (70507)
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)													
NOV 2004 04...	9.1	--	2.6	29	--	--	8.3	86	<2	<.020	.16	<.040	<.01
JAN 2005 25...	7.5	--	2.2	21	--	--	10.3	74	<2	.110	.81	<.040	.01
MAR 08...	8.3	--	2.5	21	--	--	8.4	80	22	.040	.62	<.040	.01
MAY 18...	10.2	--	2.8	31	--	--	10.3	98	<2	<.020	.20	<.040	<.01
JUL 06...	12.8	--	3.4	38	--	--	10.6	78	2	.040	.07	<.040	<.01
SEP 14...	13.3	--	3.8	35	--	--	14.0	88	<2	.030	.05	<.040	<.01
01533610 Unnamed Trib to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)													
OCT 2004 07...	11.2	--	1.2	29	4.1	<.2	7.1	44	10	<.020	.31	<.040	<.01
NOV 16...	11.9	--	1.3	28	4.9	<.2	7.5	68	8	<.020	.27	<.040	<.01
DEC 13...	8.2	--	1.0	19	3.4	<.2	7.0	52	6	<.020	.40	<.040	<.01
JAN 2005 11...	9.6	--	1.1	22	4.9	<.2	7.5	82	4	<.020	.48	<.040	<.01
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)													
NOV 2004 03...	24.8	--	4.9	73	--	--	12.5	134	4	<.020	.41	<.040	<.01
JAN 2005 10...	18.7	--	3.2	45	--	--	10.9	112	18	.030	.67	<.040	.03
MAR 07...	28.1	--	4.4	66	--	--	12.7	138	<2	.040	1.05	<.040	.02
MAY 16...	30.2	--	5.0	80	--	--	14.4	166	8	<.020	.38	<.040	<.01
JUL 28...	34.2	--	6.2	92	--	--	14.6	200	8	<.020	<.04	<.040	.03
SEP 22...	33.4	--	7.3	95	--	--	25.9	282	18	.020	.22	<.040	.03
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)													
NOV 2004 09...	14.1	--	16.0	4	--	--	94.0	222	6	.110	1.04	<.040	.01
JAN 2005 06...	11.6	--	8.7	6	--	--	53.5	174	52	.130	.92	<.040	.04
MAR 14...	13.2	--	11.5	4	--	--	70.6	220	<2	.240	1.04	<.040	.02
MAY 02...	14.9	--	18.8	0	--	--	114	290	8	.250	.66	<.040	<.01
JUL 25...	22.0	--	26.7	0	--	--	177	528	<2	.060	1.21	<.040	<.01
SEP 06...	23.9	--	28.9	0	--	--	198	372	6	.070	1.56	<.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 0.45UMF 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)
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)												
NOV 2004 04...	<.010	.31	2.1	--	--	--	<200	--	--	--	--	<10
JAN 2005 25...	.014	.89	1.3	--	--	--	<200	--	--	--	--	<10
MAR 08...	.047	.92	2.3	--	--	--	980	--	--	--	--	<10
MAY 18...	<.010	.36	--	--	--	--	<200	--	--	--	--	<10
JUL 06...	.022	.24	--	--	--	--	<200	--	--	--	--	<10
SEP 14...	<.010	.19	--	--	--	--	<200	--	--	--	--	<10
01533610 Unnamed Trib to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)												
OCT 2004 07...	.020	.39	--	<.2	40	<10	10	<4.0	20	<.20	<4	<4
NOV 16...	<.010	.40	--	.9	20	<10	<10	<4.0	20	<.20	<4	<4
DEC 13...	<.010	.52	--	<.2	40	<10	20	<4.0	20	<.20	<4	<4
JAN 2005 11...	<.010	.45	--	1.3	80	<10	20	<4.0	20	<.20	<4	<4
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)												
NOV 2004 03...	.014	.56	2.8	--	--	--	<200	--	--	--	--	<10
JAN 2005 10...	.031	.81	2.3	--	--	--	460	--	--	--	--	<10
MAR 07...	.020	1.4	1.8	--	--	--	<200	--	--	--	--	<10
MAY 16...	.026	.66	--	--	--	--	<200	--	--	--	--	<10
JUL 28...	.056	.42	--	--	--	--	<200	--	--	--	--	<10
SEP 22...	.032	.64	--	--	--	--	<200	--	--	--	--	<10
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)												
NOV 2004 09...	.039	1.4	1.4	--	--	--	1400	--	--	--	--	<10
JAN 2005 06...	.069	1.4	2.1	--	--	--	2100	--	--	--	--	<10
MAR 14...	.037	1.4	1.2	--	--	--	1200	--	--	--	--	10
MAY 02...	.054	1.0	--	--	--	--	1800	--	--	--	--	10
JUL 25...	<.010	1.2	--	--	--	--	1800	--	--	--	--	10
SEP 06...	.022	1.7	--	--	--	--	1800	--	--	--	--	20

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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, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mangan-ese, 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)	Zinc, water, unfltrd recover, µg/L (01092)	Phen-olic com-pounds, water, unfltrd, µg/L (32730)
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)											
NOV 2004 04...	--	100	--	<1.0	--	<10	--	<50	--	<10	--
JAN 2005 25...	--	210	--	<1.0	--	20	--	<50	--	<10	--
MAR 08...	--	1080	--	<1.0	--	50	--	<50	--	<10	--
MAY 18...	--	50	--	<1.0	--	10	--	<50	--	<10	--
JUL 06...	--	190	--	<1.0	--	20	--	<50	--	<10	--
SEP 14...	--	70	--	<1.0	--	30	--	<50	--	<10	--
01533610 Unnamed Trib to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)											
OCT 2004 07...	<20	<20	<1.0	<1.0	<2.0	2.0	<4.0	<4.0	<5.0	<5.0	<5
NOV 16...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	24	<5
DEC 13...	<20	80	<1.0	<1.0	<2.0	3.5	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 11...	<20	30	<1.0	<1.0	<2.0	2.8	<4.0	<4.0	<5.0	<5.0	<5
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)											
NOV 2004 03...	--	70	--	<1.0	--	20	--	<50	--	<10	--
JAN 2005 10...	--	640	--	<1.0	--	30	--	<50	--	20	--
MAR 07...	--	170	--	<1.0	--	20	--	<50	--	<10	--
MAY 16...	--	90	--	<1.0	--	20	--	<50	--	<10	--
JUL 28...	--	220	--	<1.0	--	80	--	<50	--	<10	--
SEP 22...	--	160	--	<1.0	--	60	--	<50	--	<10	--
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)											
NOV 2004 09...	--	380	--	<1.0	--	960	--	<50	--	160	--
JAN 2005 06...	--	1530	--	2.1	--	570	--	<50	--	90	--
MAR 14...	--	430	--	<1.0	--	750	--	<50	--	130	--
MAY 02...	--	470	--	<1.0	--	1040	--	<50	--	190	--
JUL 25...	--	80	--	1.0	--	2080	--	80	--	290	--
SEP 06...	--	50	--	<1.0	--	2110	--	90	--	280	--

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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)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L fltrd, (00915)
01538709 West Branch Fishing Creek near Elk Grove, PA (LAT 41 18 20N LONG 076 25 51W)													
FEB 2005													
07...	1130	1028	9813	22	40	12.6	5.4	6.6	25	24	1.1	9	--
MAR													
14...	1400	1028	9813	22	40	13.5	6.4	6.7	26	26	.7	10	--
APR													
20...	1315	1028	9813	28	40	10.5	6.2	6.5	24	23	11.4	9	--
MAY													
02...	1330	1028	9813	47	40	12.2	7.0	6.5	26	24	6.9	9	--
JUN													
15...	0945	1028	9813	13	40	9.1	6.3	6.8	27	27	15.2	10	--
JUL													
25...	1300	1028	9813	7.5	40	8.1	6.4	7.0	28	27	17.2	11	--
AUG													
24...	1100	1028	9813	2.7	40	9.4	6.6	6.1	28	24	15.2	10	--
SEP													
06...	1430	1028	9813	6.5	40	10.8	6.9	6.4	30	31	15.7	11	--
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville PA (LAT 41 09 58N LONG 076 30 14W)													
OCT 2004													
13...	1015	1028	9813	10	30	12.3	6.8	6.8	65	63	7.2	26	7.3
NOV													
08...	1000	1028	9813	17	30	13.6	6.7	6.9	61	59	5.7	21	5.8
DEC													
06...	1000	1028	9813	--	30	13.2	6.3	7.1	55	48	3.9	18	4.7
JAN 2005													
10...	1000	1028	9813	94	30	13.0	7.2	7.1	53	51	4.5	17	4.4
015400021 Fishing Creek nr Bloomsburg, PA (LAT 40 59 37N LONG 076 28 33W)													
NOV 2004													
09...	1045	1028	9813	400	30	13.3	7.7	7.6	146	138	6.0	54	14.9
JAN 2005													
06...	1045	1028	9813	2270	30	12.5	6.4	7.3	95	94	2.4	29	7.3
MAR													
14...	1145	1028	9813	520	30	14.2	7.6	7.1	133	153	2.8	44	10.9
MAY													
02...	1145	1028	9813	460	30	10.7	7.8	7.4	122	141	9.5	42	11.2
JUL													
25...	1030	1028	9813	53	30	4.1	7.4	7.7	164	167	22.6	62	16.7
SEP													
06...	1200	1028	9813	45	30	5.0	8.2	8.3	156	155	21.0	61	16.9
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)													
NOV 2004													
23...	1200	1028	9813	250	30	12.3	6.7	6.7	135	123	6.2	46	--
JAN 2005													
19...	1200	1028	9813	1330	30	14.8	5.5	6.3	107	103	.0	41	--
MAR													
23...	1030	1028	9813	948	30	12.3	6.4	6.8	112	111	3.5	40	--
MAY													
04...	1130	1028	9813	300	30	12.2	6.4	6.6	122	119	6.7	42	--
JUL													
27...	1145	1028	9813	71	30	7.3	6.7	6.8	226	232	25.6	78	--
SEP													
08...	0930	1028	9813	29	30	8.7	6.8	6.1	209	212	18.7	78	--

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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, 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)
01538709 West Branch Fishing Creek near Elk Grove, PA (LAT 41 18 20N LONG 076 25 51W)													
FEB 2005 07...	2.4	--	.73	4	.83	<.2	5.5	4	<2	.030	.47	<.040	<.01
MAR 14...	2.6	--	.76	5	.71	<.2	5.4	30	<2	<.020	.51	<.040	<.01
APR 20...	2.3	--	.68	2	.84	<.2	5.5	30	2	.030	.36	<.040	<.01
MAY 02...	2.5	--	.72	3	.62	<.2	5.8	32	<2	<.020	<.04	<.040	<.01
JUN 15...	2.7	--	.79	4	.64	<.2	5.1	38	<2	<.020	.36	<.040	<.01
JUL 25...	3.0	--	.87	5	.67	<.2	5.1	66	<2	<.020	.43	<.040	<.01
AUG 24...	2.8	--	.82	7	.84	<.2	4.9	48	<2	<.020	.46	<.040	<.01
SEP 06...	3.1	--	.89	5	.68	<.2	5.8	68	14	.020	.54	<.040	<.01
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville PA (LAT 41 09 58N LONG 076 30 14W)													
OCT 2004 13...	6.9	2.2	2.1	17	3.7	<.2	5.3	62	<2	<.020	.73	<.040	<.01
NOV 08...	5.5	1.8	1.8	13	3.3	<.2	6.2	78	<2	<.020	.75	<.040	<.01
DEC 06...	4.7	1.6	1.6	11	2.7	<.2	6.8	26	<2	<.020	.95	<.040	<.01
JAN 2005 10...	4.5	1.5	1.5	10	2.6	<.2	7.7	28	4	<.020	1.00	<.040	<.01
015400021 Fishing Creek nr Bloomsburg, PA (LAT 40 59 37N LONG 076 28 33W)													
NOV 2004 09...	14.9	4.1	4.2	36	.61	<.2	11.3	92	10	<.020	1.79	<.040	<.01
JAN 2005 06...	7.8	2.0	2.2	15	--	--	9.3	70	64	.040	1.45	<.040	.03
MAR 14...	11.7	3.2	3.5	22	--	--	11.5	106	<2	<.020	1.76	<.040	<.01
MAY 02...	11.9	2.8	3.0	26	--	--	11.6	122	<2	.030	1.08	<.040	<.01
JUL 25...	17.4	4.4	4.6	43	--	--	13.5	160	38	.030	.87	<.040	.01
SEP 06...	17.4	4.2	4.3	41	--	--	12.5	98	10	.020	.96	<.040	<.01
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)													
NOV 2004 23...	11.1	--	4.5	6	--	--	45.0	106	<2	<.020	.09	<.040	<.01
JAN 2005 19...	9.4	--	4.2	5	--	--	38.7	70	2	.040	.19	<.040	<.01
MAR 23...	9.6	--	3.9	4	--	--	36.2	78	4	.030	.22	<.040	<.01
MAY 04...	10.1	--	4.0	4	--	--	41.7	98	<2	.030	.13	<.040	<.01
JUL 27...	18.1	--	7.9	2	--	--	83.6	148	<2	.020	.15	<.040	<.01
SEP 08...	18.9	--	7.4	3	--	--	75.0	156	<2	.030	.11	<.040	<.01

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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 0.45UMF 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)
01538709 West Branch Fishing Creek near Elk Grove, PA (LAT 41 18 20N LONG 076 25 51W)												
FEB 2005 07...	<.010	.54	--	.5	<20	10	30	<4.0	10	<.20	<4	<4
MAR 14...	<.010	.74	--	1.9	<10	20	20	<4.0	10	<.20	<4	<4
APR 20...	<.010	.35	--	7.8	<10	20	40	<4.0	10	<.20	<4	<4
MAY 02...	<.010	.41	--	.4	<20	20	40	<4.0	10	<.20	<4	<4
JUN 15...	<.010	.31	--	.4	20	30	40	<4.0	10	<.20	<4	<4
JUL 25...	<.010	.36	--	.7	<20	30	40	<4.0	10	<.20	<4	<4
AUG 24...	<.010	.45	--	<.2	<20	20	30	<4.0	10	<.20	<4	<4
SEP 06...	<.010	1.9	--	<.2	<20	<10	10	<4.0	10	<.20	<4	<4
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville PA (LAT 41 09 58N LONG 076 30 14W)												
OCT 2004 13...	<.010	1.0	--	.7	20	<10	20	<4.0	20	<.20	<4	<4
NOV 08...	<.010	.91	--	1.2	20	<10	20	<4.0	20	<.20	<4	<4
DEC 06...	<.010	1.1	--	.9	40	10	60	<4.0	20	<.20	<4	<4
JAN 2005 10...	.010	1.0	--	.8	140	<10	100	<4.0	20	<.20	<4	<4
015400021 Fishing Creek nr Bloomsburg, PA (LAT 40 59 37N LONG 076 28 33W)												
NOV 2004 09...	<.010	2.0	2.1	.9	<20	<10	20	<4.0	10	<.20	<4	<4
JAN 2005 06...	.047	1.7	--	.8	--	20	1100	--	--	--	<4	<4
MAR 14...	<.010	1.8	--	2.2	--	10	110	--	--	--	<4	<4
MAY 02...	<.010	1.1	--	<.2	--	<10	40	--	--	--	<4	<4
JUL 25...	.024	1.1	--	1.2	--	30	280	--	--	--	<4	<4
SEP 06...	.022	1.1	--	1.4	--	20	200	--	--	--	<4	<4
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)												
NOV 2004 23...	<.010	.28	.7	--	--	--	<200	--	--	--	--	<10
JAN 2005 19...	<.010	.22	.7	--	--	--	420	--	--	--	--	<10
MAR 23...	<.010	.20	.8	--	--	--	600	--	--	--	--	<10
MAY 04...	<.010	.18	--	--	--	--	<200	--	--	--	--	<10
JUL 27...	<.010	.08	--	--	--	--	<200	--	--	--	--	<10
SEP 08...	.013	.11	--	--	--	--	<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)
01538709 West Branch Fishing Creek near Elk Grove, PA (LAT 41 18 20N LONG 076 25 51W)											
FEB 2005 07...	<20	<20	<1.0	<1.0	<2.0	2.4	<4.0	<4.0	<5.0	<5.0	<5
MAR 14...	--	--	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
APR 20...	<20	110	<1.0	<1.0	2.3	3.3	<4.0	<4.0	<5.0	<5.0	<5
MAY 02...	20	<20	<1.0	<1.0	2.1	3.8	<4.0	<4.0	<5.0	<5.0	<5
JUN 15...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
JUL 25...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
AUG 24...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
SEP 06...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville PA (LAT 41 09 58N LONG 076 30 14W)											
OCT 2004 13...	30	80	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	9.7	<5
NOV 08...	30	80	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
DEC 06...	20	100	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 10...	<20	220	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
015400021 Fishing Creek nr Bloomsburg, PA (LAT 40 59 37N LONG 076 28 33W)											
NOV 2004 09...	20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 06...	70	1560	<1.0	1.9	<10	70	<4.0	4.2	<5.0	16	--
MAR 14...	<20	130	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	<5.0	--
MAY 02...	20	70	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	--
JUL 25...	60	860	<1.0	1.6	40	120	<4.0	<4.0	<5.0	9.4	--
SEP 06...	20	420	<1.0	<1.0	30	70	<4.0	<4.0	<5.0	<5.0	--
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)											
NOV 2004 23...	--	40	--	<1.0	--	290	--	<50	--	10	--
JAN 2005 19...	--	350	--	<1.0	--	270	--	<50	--	20	--
MAR 23...	--	550	--	<1.0	--	270	--	<50	--	20	--
MAY 04...	--	70	--	<1.0	--	230	--	<50	--	10	--
JUL 27...	--	<20	--	<1.0	--	160	--	<50	--	30	--
SEP 08...	--	<20	--	<1.0	--	140	--	<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)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf 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)
01543830 First Fork Sinnemahoning Creek at Berge Run, PA (LAT 41 28 33N LONG 078 03 02W)													
FEB 2005													
08...	1430	1028	9813	152	40	15.1	6.7	7.2	56	46	.1	19	--
MAR													
23...	0930	1028	9813	350	40	12.7	7.2	7.2	59	55	3.8	19	--
APR													
19...	0945	1028	9813	182	40	10.8	7.1	7.4	54	51	9.8	20	--
MAY													
04...	0830	1028	9813	262	40	12.4	6.3	7.2	55	51	5.5	18	--
JUN													
14...	0830	1028	9813	73	40	7.7	7.3	6.9	69	73	21.9	25	--
JUL													
27...	0950	1028	9813	66	40	7.9	7.5	7.8	71	73	23.3	27	--
AUG													
23...	0930	1028	9813	16	40	6.8	7.8	6.8	81	81	18.6	28	--
SEP													
21...	1330	1028	9813	22	40	9.6	8.3	6.9	83	84	20.8	28	--
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)													
NOV 2004													
16...	1500	1028	9813	390	30	14.9	8.6	8.5	406	402	8.0	190	--
JAN 2005													
04...	1615	1028	9813	1220	30	11.6	7.7	8.1	234	222	6.2	98	--
MAR													
22...	1115	1028	9813	545	30	13.9	8.7	8.4	344	331	6.4	150	--
MAY													
18...	1015	1028	9813	269	30	12.4	8.4	8.4	468	470	11.6	210	--
JUL													
06...	0800	1028	9813	335	30	7.3	7.7	8.2	387	395	17.7	200	--
SEP													
14...	1000	1028	9813	164	30	10.4	8.1	8.4	495	519	13.9	220	--
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)													
NOV 2004													
16...	1545	1028	9813	227	30	12.4	5.0	4.9	168	180	5.4	59	--
JAN 2005													
05...	0940	1028	9813	662	30	12.1	5.3	5.1	127	122	5.5	44	--
MAR													
16...	1030	1028	9813	80	30	13.3	4.7	4.9	170	170	1.2	57	--
MAY													
17...	1600	1028	9813	105	30	9.3	4.4	4.6	221	224	15.4	77	--
JUL													
20...	0815	1028	9813	31	30	6.1	4.1	4.3	349	363	23.3	130	--
SEP													
12...	1445	1028	9813	16	30	6.4	4.1	4.3	495	500	20.3	180	--

**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, recover 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)
01543830 First Fork Sinnemahoning Creek at Berge Run, PA (LAT 41 28 33N LONG 078 03 02W)													
FEB 2005 08...	5.1	--	1.5	13	2.9	<.2	8.3	30	<2	.030	.48	<.040	<.01
MAR 23...	5.1	--	1.5	10	3.6	<.2	8.6	56	<2	.050	.43	<.040	<.01
APR 19...	5.3	--	1.6	11	2.2	<.2	8.9	56	<2	<.020	.41	<.040	.01
MAY 04...	4.9	--	1.4	11	2.2	<.2	8.5	60	<2	<.020	.40	<.040	<.01
JUN 14...	6.8	--	1.9	16	3.1	<.2	12.9	68	<2	<.020	.34	<.040	<.01
JUL 27...	7.2	--	2.0	21	3.6	<.2	7.7	42	2	.050	.14	<.040	.01
AUG 23...	7.6	--	2.3	27	5.1	<.2	7.4	62	<2	<.020	<.04	<.040	<.01
SEP 21...	7.6	--	2.2	24	5.8	<.2	8.0	70	<2	.020	<.04	<.040	<.01
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)													
NOV 2004 16...	46.7	--	16.8	146	--	--	21.6	276	2	<.020	2.49	<.040	.01
JAN 2005 04...	25.4	--	8.3	76	--	--	18.2	166	38	.020	1.39	<.040	.01
MAR 22...	37.9	--	13.1	117	--	--	20.2	224	<2	.100	2.04	<.040	.01
MAY 18...	51.1	--	19.9	170	--	--	22.8	346	8	<.020	2.98	<.040	.02
JUL 06...	51.3	--	18.3	135	--	--	25.7	224	76	.050	2.53	<.040	.04
SEP 14...	52.5	--	21.8	179	--	--	27.9	382	<2	.020	3.28	<.040	.03
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)													
NOV 2004 16...	11.8	--	7.1	2	--	--	64.5	140	8	<.020	.17	<.040	<.01
JAN 2005 05...	9.0	--	5.2	3	--	--	47.7	86	6	.030	.28	<.040	<.01
MAR 16...	11.6	--	6.9	1	--	--	66.5	136	2	.020	.24	<.040	<.01
MAY 17...	14.2	--	10.0	0	--	--	93.2	162	<2	<.020	.10	<.040	<.01
JUL 20...	26.1	--	15.0	0	--	--	159	322	<2	.030	.33	<.040	<.01
SEP 12...	39.1	--	20.3	0	--	--	232	424	4	.030	.21	<.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)
01543830 First Fork Sinnemahoning Creek at Berge Run, PA (LAT 41 28 33N LONG 078 03 02W)												
FEB 2005												
08...	<.010	.53	--	1.2	60	<10	20	<4.0	20	<.20	<4	<4
MAR												
23...	<.010	.87	--	.9	60	<10	60	<4.0	20	<.20	<4	<4
APR												
19...	<.010	.43	--	.9	<20	<10	30	<4.0	20	<.20	<4	5
MAY												
04...	.012	.71	--	.6	20	<10	30	<4.0	20	<.20	<4	<4
JUN												
14...	.015	.37	--	.8	60	30	60	<4.0	20	<.20	<4	<4
JUL												
27...	.015	.20	--	.8	200	20	70	<4.0	20	<.20	<4	<4
AUG												
23...	.013	.19	--	.8	<20	20	50	<4.0	20	<.20	<4	<4
SEP												
21...	.011	.17	--	.4	40	20	50	<4.0	20	<.20	<4	<4
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)												
NOV 2004												
16...	.010	2.6	1.3	--	--	--	<200	--	--	--	--	<10
JAN 2005												
04...	.044	1.7	2.6	--	--	--	900	--	--	--	--	<10
MAR												
22...	.013	2.4	1.4	--	--	--	<200	--	--	--	--	<10
MAY												
18...	.030	3.2	--	--	--	--	<200	--	--	--	--	<10
JUL												
06...	.114	2.7	--	--	--	--	1600	--	--	--	--	10
SEP												
14...	.030	3.3	--	--	--	--	<200	--	--	--	--	<10
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)												
NOV 2004												
16...	<.010	.26	.5	--	--	--	930	--	--	--	--	<10
JAN 2005												
05...	.013	.44	1.2	--	--	--	830	--	--	--	--	<10
MAR												
16...	<.010	.31	<.5	--	--	--	1000	--	--	--	--	10
MAY												
17...	<.010	.09	--	--	--	--	1200	--	--	--	--	<10
JUL												
20...	<.010	.32	--	--	--	--	1600	--	--	--	--	<10
SEP												
12...	<.010	.21	--	--	--	--	2700	--	--	--	--	280

**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)
01543830 First Fork Sinnemahoning Creek at Berge Run, PA (LAT 41 28 33N LONG 078 03 02W)											
FEB 2005											
08...	<20	80	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
MAR											
23...	20	90	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	<5.0	<5
APR											
19...	30	90	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	<5.0	5
MAY											
04...	40	80	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
JUN											
14...	50	230	<1.0	<1.0	<10	20	<4.0	<4.0	<5.0	<5.0	<5
JUL											
27...	70	210	<1.0	<1.0	10	30	<4.0	<4.0	<5.0	<5.0	<5
AUG											
23...	50	140	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
SEP											
21...	70	130	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)											
NOV 2004											
16...	--	50	--	<1.0	--	<10	--	<50	--	<10	--
JAN 2005											
04...	--	980	--	1.2	--	40	--	<50	--	<10	--
MAR											
22...	--	140	--	<1.0	--	<10	--	<50	--	<10	--
MAY											
18...	--	120	--	<1.0	--	<10	--	<50	--	10	--
JUL											
06...	--	2290	--	2.9	--	90	--	<50	--	40	--
SEP											
14...	--	50	--	<1.0	--	<10	--	<50	--	<10	--
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)											
NOV 2004											
16...	--	160	--	<1.0	--	1420	--	<50	--	70	--
JAN 2005											
05...	--	650	--	<1.0	--	960	--	<50	--	60	--
MAR											
16...	--	200	--	<1.0	--	1340	--	<50	--	70	--
MAY											
17...	--	100	--	<1.0	--	1970	--	<50	--	90	--
JUL											
20...	--	60	--	1.2	--	3570	--	80	--	130	--
SEP											
12...	--	90	--	1.2	--	5170	--	110	--	350	--

**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)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf 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)
01548038 Fishing Creek near Nittany, PA (LAT 40 59 01N LONG 077 31 01W)													
FEB 2005													
09...	1030	1028	9813	86	40	11.7	8.0	8.2	247	231	5.3	110	--
MAR													
16...	0915	1028	9813	96	40	13.7	8.1	8.1	261	258	3.4	120	--
APR													
18...	1045	1028	9813	141	40	11.0	8.1	8.2	233	226	8.7	100	--
MAY													
17...	1400	1028	9813	59	40	9.7	8.6	8.5	275	273	13.3	130	--
JUN													
13...	1200	1028	9813	43	40	9.4	8.4	8.4	303	295	15.5	140	--
JUL													
19...	1330	1028	9813	38	40	9.7	8.3	8.4	309	315	16.5	150	--
AUG													
22...	1135	1028	9813	24	40	9.3	8.2	8.2	342	349	15.7	180	--
SEP													
12...	1130	1028	9813	21	40	10.2	8.1	8.2	357	356	12.6	160	--
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)													
NOV 2004													
17...	0830	1028	9813	87	30	11.1	7.8	7.7	287	280	7.4	140	--
JAN 2005													
05...	0830	1028	9813	211	30	10.8	7.3	8.0	220	215	6.4	100	--
MAR													
16...	0945	1028	9813	37	30	12.9	8.0	8.0	291	291	4.1	140	--
MAY													
18...	0915	1028	9813	79	30	10.8	8.0	8.3	317	226	10.4	150	--
JUL													
20...	1145	1028	9813	40	30	9.4	7.9	8.1	328	274	16.0	150	--
SEP													
12...	1330	1028	9813	21	30	10.3	8.1	8.2	368	356	14.6	170	--
01548077 Cedar Run at Cedar Springs near Mill Hall, PA (LAT 41 04 46N LONG 077 29 01W)													
FEB 2005													
09...	0800	1028	9813	40	40	10.5	8.0	8.2	439	299	8.3	240	--
MAR													
16...	0800	1028	9813	42	40	11.0	8.1	8.1	424	375	6.0	220	--
APR													
26...	0800	1028	9813	45	40	11.3	8.2	8.2	435	412	8.0	220	--
MAY													
18...	0830	1028	9813	35	40	11.1	8.1	8.2	413	416	9.4	210	--
JUN													
13...	1330	1028	9813	31	40	9.7	8.5	8.5	395	385	19.1	210	--
JUL													
20...	0930	1028	9813	29	40	11.3	8.2	8.3	374	380	13.3	190	--
AUG													
22...	1315	1028	9813	27	40	10.0	8.3	8.4	366	372	15.9	200	--
SEP													
12...	1230	1028	9813	26	40	11.1	8.3	8.4	362	362	14.5	180	--

**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)
01548038 Fishing Creek near Nittany, PA (LAT 40 59 01N LONG 077 31 01W)													
FEB 2005 09...	32.1	--	8.0	90	8.7	<.2	13.6	168	<2	.050	2.38	<.040	.01
MAR 16...	32.3	--	8.3	89	14.9	<.2	14.0	146	<2	.030	2.29	<.040	<.01
APR 18...	30.0	--	7.0	85	8.4	<.2	12.6	186	8	.040	2.26	<.040	.01
MAY 17...	35.5	--	9.1	104	9.4	<.2	16.3	196	4	<.020	2.52	<.040	.01
JUN 13...	39.3	--	10.9	113	11.1	<.2	17.6	216	2	.030	2.58	<.040	.02
JUL 19...	39.9	--	11.4	118	13.6	<.2	19.1	234	<2	.030	2.43	<.040	.01
AUG 22...	48.8	--	13.1	132	11.8	<.2	23.3	264	18	.030	3.04	<.040	.03
SEP 12...	46.6	--	11.5	134	13.5	<.2	23.6	288	4	.040	2.85	<.040	.02
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)													
NOV 2004 17...	37.5	--	11.0	110	--	--	13.2	196	<2	<.020	2.44	<.040	<.01
JAN 2005 05...	27.6	--	8.3	82	--	--	12.1	128	2	<.020	1.91	<.040	.02
MAR 16...	35.8	--	10.9	108	--	--	14.1	122	6	.020	2.55	<.040	<.01
MAY 18...	40.5	--	12.2	126	--	--	15.6	216	8	<.020	2.76	<.040	<.01
JUL 20...	40.6	--	12.2	131	--	--	17.1	244	<2	.020	2.55	<.040	.02
SEP 12...	45.7	--	13.8	147	--	--	18.9	350	10	.030	2.84	<.040	.01
01548077 Cedar Run at Cedar Springs near Mill Hall, PA (LAT 41 04 46N LONG 077 29 01W)													
FEB 2005 09...	58.1	--	22.2	189	10.7	<.2	15.9	290	6	.090	4.42	<.040	.02
MAR 16...	54.9	--	19.7	185	10.3	<.2	15.6	264	16	.060	4.16	<.040	.01
APR 26...	54.4	--	21.4	189	10.4	<.2	16.2	234	2	<.020	4.28	<.040	<.01
MAY 18...	52.6	--	19.8	182	10.0	<.2	15.5	290	8	.030	3.84	<.040	<.01
JUN 13...	50.2	--	19.9	170	9.8	<.2	14.4	278	<2	.050	3.46	<.040	.02
JUL 20...	45.3	--	17.9	166	9.5	<.2	15.1	282	<2	.020	3.24	.050	.02
AUG 22...	48.6	--	19.2	166	9.3	<.2	13.2	232	12	.030	3.05	<.040	.02
SEP 12...	44.0	--	16.8	162	8.9	<.2	12.7	202	6	.040	2.82	<.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)
01548038 Fishing Creek near Nittany, PA (LAT 40 59 01N LONG 077 31 01W)												
FEB 2005 09...	.017	2.5	--	.7	40	10	80	<4.0	20	<.20	<4	<4
MAR 16...	<.010	2.4	--	.6	80	<10	40	<4.0	20	<.20	<4	6
APR 18...	.018	2.2	--	1.4	<10	<10	110	<4.0	30	<.20	<4	<4
MAY 17...	.021	2.6	--	.6	40	<10	70	<4.0	30	<.20	<4	<4
JUN 13...	.022	2.7	--	.3	60	30	80	<4.0	30	<.20	<4	<4
JUL 19...	.035	2.4	--	.7	120	<10	60	<4.0	30	<.20	<4	<4
AUG 22...	.032	3.1	--	.9	60	20	50	<4.0	30	<.20	<4	<4
SEP 12...	.040	2.9	--	.9	20	20	30	<4.0	30	<.20	<4	<4
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)												
NOV 2004 17...	.010	2.5	1.1	--	--	--	<200	--	--	--	--	<10
JAN 2005 05...	.021	2.1	1.6	--	--	--	250	--	--	--	--	<10
MAR 16...	<.010	2.6	1.1	--	--	--	<200	--	--	--	--	<10
MAY 18...	.013	2.9	--	--	--	--	<200	--	--	--	--	<10
JUL 20...	.017	2.5	--	--	--	--	<200	--	--	--	--	<10
SEP 12...	.022	2.9	--	--	--	--	<200	--	--	--	--	<10
01548077 Cedar Run at Cedar Springs near Mill Hall, PA (LAT 41 04 46N LONG 077 29 01W)												
FEB 2005 09...	.037	4.6	--	.8	20	<10	160	<4.0	40	<.20	<4	<4
MAR 16...	.025	4.5	--	.8	20	<10	130	<4.0	40	<.20	<4	<4
APR 26...	.014	4.2	--	.8	130	<10	90	<4.0	30	<.20	<4	<4
MAY 18...	.012	3.9	--	.6	360	<10	60	<4.0	30	<.20	<4	<4
JUN 13...	.027	3.7	--	.5	380	30	80	<4.0	30	<.20	<4	<4
JUL 20...	.025	3.1	--	.6	340	<10	30	6.6	30	<.20	<4	<4
AUG 22...	.030	3.1	--	1.1	180	20	70	<4.0	30	<.20	<4	<4
SEP 12...	.039	2.9	--	.9	40	20	40	<4.0	30	<.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)
01548038 Fishing Creek near Nittany, PA (LAT 40 59 01N LONG 077 31 01W)											
FEB 2005											
09...	<20	80	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
MAR											
16...	<20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
APR											
18...	<20	130	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
MAY											
17...	<20	80	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUN											
13...	<20	120	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
JUL											
19...	<20	100	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	6.9	<5
AUG											
22...	<20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
SEP											
12...	<20	30	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)											
NOV 2004											
17...	--	70	--	<1.0	--	<10	--	<50	--	<10	--
JAN 2005											
05...	--	320	--	<1.0	--	10	--	<50	--	<10	--
MAR											
16...	--	70	--	<1.0	--	<10	--	<50	--	<10	--
MAY											
18...	--	90	--	<1.0	--	<10	--	<50	--	10	--
JUL											
20...	--	100	--	<1.0	--	<10	--	<50	--	<10	--
SEP											
12...	--	70	--	<1.0	--	<10	--	<50	--	<10	--
01548077 Cedar Run at Cedar Springs near Mill Hall, PA (LAT 41 04 46N LONG 077 29 01W)											
FEB 2005											
09...	<20	420	<1.0	<1.0	7.4	19	<4.0	<4.0	<5.0	<5.0	<5
MAR											
16...	<20	330	<1.0	<1.0	5.0	14	<4.0	<4.0	<5.0	<5.0	<5
APR											
26...	<20	170	<1.0	<1.0	3.6	9.6	<4.0	<4.0	<5.0	<5.0	<5
MAY											
18...	<20	130	<1.0	<1.0	4.5	9.7	<4.0	<4.0	<5.0	<5.0	<5
JUN											
13...	<20	140	<1.0	<1.0	3.6	8.1	<4.0	<4.0	<5.0	<5.0	<5
JUL											
20...	<20	80	<1.0	<1.0	<2.0	4.3	<4.0	<4.0	<5.0	8.4	<5
AUG											
22...	<20	110	<1.0	<1.0	4.8	7.1	<4.0	<4.0	<5.0	<5.0	<5
SEP											
12...	<20	130	<1.0	<1.0	3.4	6.3	<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 col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L fltrd, (00915)
01548476 Cedar Run above Mine Hole Run near Cedar Run, PA (LAT 41 33 19N LONG 077 27 36W)													
FEB 2005													
07...	1530	1028	9813	16	40	13.1	6.5	7.4	45	43	2.1	17	--
MAR													
15...	0900	1028	9813	18	40	15.7	6.4	6.7	46	43	- .2	18	--
APR													
20...	0930	1028	9813	23	40	11.2	6.5	7.1	46	44	9.1	18	--
MAY													
03...	0830	1028	9813	23	40	12.0	6.3	7.2	47	42	4.8	18	--
JUN													
14...	1430	1028	9813	9.5	40	8.7	7.3	7.6	58	40	19.8	23	--
JUL													
25...	1545	1028	9813	5.8	40	7.8	7.2	7.6	62	62	20.9	25	--
AUG													
24...	0730	1028	9813	1.4	40	9.1	7.3	6.5	66	58	14.7	27	--
SEP													
07...	0830	1028	9813	1.9	40	9.6	8.1	7.5	71	68	14.3	28	--
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)													
NOV 2004													
22...	1015	1028	9813	120	30	12.5	7.3	7.3	99	92	7.7	37	8.8
JAN 2005													
24...	1430	1028	9813	220	30	13.7	7.2	7.1	94	95	.1	35	8.4
MAR													
14...	1015	1028	9813	160	30	15.9	7.4	6.7	95	82	.9	32	8.5
MAY													
18...	0945	1028	9813	70	30	10.8	7.4	7.5	116	117	15.2	43	10.9
JUL													
20...	0945	1028	9813	37	30	6.7	6.8	7.0	137	144	22.2	78	12.2
SEP													
28...	0915	1028	9813	23	30	9.3	8.0	7.3	175	181	18.9	69	18.6
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)													
NOV 2004													
09...	0915	1028	9813	184	30	12.9	7.2	7.1	98	93	6.0	38	11.4
JAN 2005													
20...	1100	1028	9813	E450	30	13.7	4.5	7.3	81	13	4.5	31	9.2
MAR													
15...	1400	1028	9813	340	30	14.8	7.0	7.4	99	101	4.1	33	9.8
MAY													
19...	1400	1028	9813	300	30	11.8	7.4	7.8	106	106	16.6	38	11.9
JUL													
21...	1400	1028	9813	49	30	9.8	7.3	7.7	128	135	24.9	48	14.2
SEP													
29...	1330	1028	9813	20	30	10.2	7.3	7.5	136	140	18.8	52	14.9
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)													
OCT 2004													
13...	1300	1028	9813	8.5	30	10.9	5.7	6.4	18	17	9.2	7	1.4
NOV													
08...	1245	1028	9813	10	30	12.1	6.5	6.4	20	18	7.6	7	1.4
DEC													
02...	1315	1028	9813	39	30	11.8	5.2	6.3	21	18	7.0	7	1.5
JAN 2005													
10...	1245	1028	9813	25	30	12.4	6.5	6.6	20	21	5.5	7	1.4

**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	Calcium water unfltrd recover -able, mg/L (00916)	Magnes- ium, water, recover 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 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)
01548476 Cedar Run above Mine Hole Run near Cedar Run, PA (LAT 41 33 19N LONG 077 27 36W)													
FEB 2005 07...	5.1	--	1.0	12	.7	<.2	8.0	32	<2	.020	.10	<.040	<.01
MAR 15...	5.3	--	1.1	12	.9	<.2	8.2	44	4	.020	.08	<.040	<.01
APR 20...	5.3	--	1.1	12	.8	<.2	8.0	52	2	<.020	.09	<.040	.01
MAY 03...	5.5	--	1.1	13	.6	<.2	8.0	78	2	.030	.05	<.040	<.01
JUN 14...	7.0	--	1.3	18	.7	<.2	7.5	48	<2	<.020	.18	<.040	.01
JUL 25...	7.6	--	1.5	23	.8	<.2	7.1	260	<2	<.020	.13	<.040	.01
AUG 24...	8.4	--	1.6	30	1.1	<.2	7.2	66	<2	<.020	.13	<.040	.01
SEP 07...	8.5	--	1.7	25	1.0	<.2	8.2	92	4	.020	.15	<.040	.01
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)													
NOV 2004 22...	9.6	3.0	3.1	19	.9	<.2	20.9	80	8	.030	.32	<.040	<.01
JAN 2005 24...	8.5	3.3	3.4	12	--	--	24.2	56	<2	.050	.62	<.040	<.01
MAR 14...	8.2	2.9	2.9	15	--	--	19.0	66	8	<.020	.59	<.040	<.01
MAY 18...	10.7	4.1	4.0	17	--	--	30.1	100	8	<.020	.19	<.040	.01
JUL 20...	15.8	3.8	9.4	30	--	--	29.6	92	1670	.810	.11	<.040	.03
SEP 28...	17.4	6.1	6.1	23	--	--	49.1	458	2	.170	.07	<.040	.01
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)													
NOV 2004 09...	11.7	2.0	2.1	26	--	--	9.2	76	8	<.020	1.11	<.040	<.01
JAN 2005 20...	9.3	1.8	1.8	17	--	--	9.9	80	10	.030	1.45	<.040	<.01
MAR 15...	9.8	2.0	2.0	19	--	--	10.2	82	2	<.020	1.48	<.040	<.01
MAY 19...	11.9	2.1	2.1	28	--	--	10.3	90	4	<.020	.98	<.040	.01
JUL 21...	14.9	2.6	2.7	39	--	--	10.7	84	16	<.020	.70	<.040	.02
SEP 29...	16.4	2.5	2.8	37	--	--	11.6	110	<2	.030	1.03	<.040	.03
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)													
OCT 2004 13...	1.4	.79	.77	5	.5	<.2	3.3	48	<2	<.020	<.04	<.040	<.01
NOV 08...	1.4	.80	.82	5	.6	<.2	3.8	58	<2	<.020	<.04	<.040	<.01
DEC 02...	1.5	.77	.79	5	.8	<.2	4.6	14	4	<.020	<.04	<.040	<.01
JAN 2005 10..	1.4	.74	.76	5	.7	<.2	4.6	8	<2	<.020	<.04	<.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)
01548476 Cedar Run above Mine Hole Run near Cedar Run, PA (LAT 41 33 19N LONG 077 27 36W)												
FEB 2005 07...	<.010	.17	--	.9	<20	10	20	<4.0	20	<.20	<4	<4
MAR 15...	<.010	.08	--	2.4	<10	<10	10	<4.0	20	<.20	<4	4
APR 20...	.013	.13	--	<.2	<20	30	50	<4.0	20	<.20	<4	<4
MAY 03...	.011	.24	--	.3	<10	<10	10	<4.0	20	<.20	<4	<4
JUN 14...	.017	.11	--	.6	<20	20	30	<4.0	30	<.20	<4	<4
JUL 25...	.016	.13	--	.8	<20	20	40	<4.0	30	<.20	<4	<4
AUG 24...	.013	.17	--	.3	<10	20	30	<4.0	30	<.20	<4	<4
SEP 07...	.017	.16	--	.7	<20	20	30	<4.0	30	<.20	<4	<4
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)												
NOV 2004 22...	<.010	.47	1.7	.6	<20	<10	30	<4.0	30	<.20	<4	<4
JAN 2005 24...	.011	.64	--	.4	--	<10	80	--	--	--	<4	<4
MAR 14...	<.010	1.0	--	1.8	--	<10	30	--	--	--	<4	<4
MAY 18...	.013	.39	--	.5	--	<10	110	--	--	--	<4	7
JUL 20...	.577	3.3	--	1.2	--	10	26200	--	--	--	<4	40
SEP 28...	.025	.42	--	.7	--	<10	160	--	--	--	<4	<4
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)												
NOV 2004 09...	.016	1.4	--	.9	--	<10	10	--	--	--	<4	<4
JAN 2005 20...	<.010	1.6	--	1.1	--	<10	90	--	--	--	<4	<4
MAR 15...	.013	2.0	--	2.3	--	10	40	--	--	--	<4	<4
MAY 19...	.019	.93	--	.5	--	10	20	--	--	--	<4	<4
JUL 21...	.025	.72	--	.6	--	<10	60	--	--	--	<4	<4
SEP 29...	.036	1.1	--	.4	--	<10	10	--	--	--	<4	<4
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)												
OCT 2004 13...	<.010	<.06	--	1.1	<20	20	20	<4.0	10	<.20	<4	<4
NOV 08...	<.010	.11	--	.5	<20	20	20	<4.0	10	<.20	<4	<4
DEC 02...	<.010	.07	--	.9	<20	40	50	<4.0	10	<.20	<4	<4
JAN 2005 10...	<.010	<.06	--	.6	10	20	50	<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, 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)
01548476 Cedar Run above Mine Hole Run near Cedar Run, PA (LAT 41 33 19N LONG 077 27 36W)											
FEB 2005 07...	<20	20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
MAR 15...	<20	20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
APR 20...	30	70	<1.0	<1.0	<2.0	3.8	<4.0	<4.0	<5.0	<5.0	<5
MAY 03...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
JUN 14...	<20	20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
JUL 25...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
AUG 24...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	5.8	21	<5
SEP 07...	<20	<20	<1.0	<1.0	<2.0	<2.0	<4.0	<4.0	<5.0	<5.0	<5
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)											
NOV 2004 22...	<20	80	<1.0	<1.0	90	110	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 24...	20	170	<1.0	<1.0	260	280	4.6	5.7	<5.0	5.8	--
MAR 14...	<20	40	<1.0	<1.0	60	60	<4.0	<4.0	<5.0	<5.0	--
MAY 18...	90	380	<1.0	<1.0	470	500	<4.0	4.7	<5.0	6.9	--
JUL 20...	170	36100	<1.0	41	1030	2130	<4.0	81	8.6	250	--
SEP 28...	40	640	<1.0	<1.0	400	450	5.6	7.0	5.9	9.5	--
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)											
NOV 2004 09...	<20	30	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	--
JAN 2005 20...	<20	170	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	--
MAR 15...	<20	40	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	--
MAY 19...	--	--	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	--
JUL 21...	20	130	<1.0	<1.0	10	10	<4.0	<4.0	<5.0	<5.0	--
SEP 29...	<20	30	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	--
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)											
OCT 2004 13...	<20	<20	<1.0	<1.0	2.6	3.5	<4.0	<4.0	<5.0	<5.0	<5
NOV 08...	<20	<20	<1.0	<1.0	2.3	3.3	<4.0	<4.0	<5.0	<5.0	<5
DEC 02...	30	30	<1.0	<1.0	5.3	7.5	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 10...	<20	20	<1.0	<1.0	2.9	5.0	<4.0	<4.0	--	--	<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 col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf 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)
01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 10N LONG 076 48 10W)													
NOV 2004 09...	0930	1028	9813	22700	40	13.2	7.8	7.8	232	237	7.5	89	--
JAN 2005 06...	0930	1028	9813	72200	40	12.1	6.7	7.7	170	172	2.8	65	--
MAR 14...	1030	1028	9813	27500	40	15.3	7.3	7.9	227	240	1.9	75	--
MAY 02...	1030	1028	9813	23800	40	10.6	7.7	7.9	217	223	11.7	78	--
JUL 25...	0900	1028	9813	4400	40	7.0	8.5	8.4	319	336	26.8	120	--
SEP 06...	1030	1028	9813	5710	40	5.1	8.4	8.5	323	325	23.1	110	--
01554665 Elk Creek at Spring Bank near Millheim, PA (LAT 40 55 24N LONG 077 28 40W)													
FEB 2005 22...	1300	1028	9813	50	40	12.7	7.6	7.9	253	251	5.2	120	--
MAR 16...	1245	1028	9813	33	40	12.1	7.8	7.8	287	278	6.4	140	--
APR 18...	1345	1028	9813	45	40	10.5	7.7	8.0	251	248	11.0	120	--
MAY 17...	1245	1028	9813	24	40	10.7	8.0	8.2	271	272	13.0	130	--
JUN 13...	1030	1028	9813	15	40	10.0	8.1	8.2	287	281	13.9	150	--
JUL 19...	1030	1028	9813	10	40	10.0	7.8	8.0	296	300	14.0	150	--
AUG 22...	1000	1028	9813	6.1	40	7.8	6.5	7.6	245	250	13.7	130	--
SEP 12...	0945	1028	9813	6.2	40	8.6	7.5	7.8	316	313	11.6	150	--
01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)													
NOV 2004 09...	1450	1028	9813	138	30	15.6	8.9	8.7	193	183	7.2	87	--
JAN 2005 06...	1445	1028	9813	2400	30	11.9	7.2	7.6	123	123	3.0	55	--
MAR 14...	0930	1028	9813	254	30	15.2	8.5	8.2	172	172	1.9	74	--
MAY 02...	0900	1028	9813	178	30	11.8	8.5	8.0	171	162	10.6	74	--
JUL 18...	1215	1028	9813	56	30	7.5	7.8	8.0	252	259	25.7	110	--
SEP 06...	0930	1028	9813	17	30	8.5	8.1	8.1	286	295	19.2	130	--

**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)
	01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 10N LONG 076 48 10W)												
NOV 2004 09...	24.9	--	6.4	53	--	--	32.3	134	16	<.020	.48	<.040	<.01
JAN 2005 06...	17.9	--	4.9	35	--	--	26.5	100	38	.050	.73	<.040	.04
MAR 14...	20.3	--	5.8	40	--	--	30.1	154	8	.040	.88	<.040	.02
MAY 02...	21.7	--	5.8	49	--	--	29.1	134	<2	<.020	.56	<.040	<.01
JUL 25...	31.9	--	9.4	68	--	--	47.6	292	<2	.030	.24	<.040	.02
SEP 06...	30.2	--	8.6	63	--	--	44.8	272	<2	.020	.28	<.040	.01
	01554665 Elk Creek at Spring Bank near Millheim, PA (LAT 40 55 24N LONG 077 28 40W)												
FEB 2005 22...	42.7	--	4.0	104	5.7	<.2	9.7	166	<2	<.020	2.45	<.040	.01
MAR 16...	47.8	--	4.6	118	7.4	<.2	10.7	168	6	<.020	2.74	<.040	.01
APR 18...	42.8	--	4.0	102	5.8	<.2	10.1	196	6	<.020	2.38	<.040	.01
MAY 17...	43.4	--	4.3	112	5.9	<.2	10.7	182	2	<.020	2.49	<.040	.01
JUN 13...	49.7	--	5.2	122	6.3	<.2	10.2	184	<2	.030	2.44	<.040	.02
JUL 19...	51.0	--	5.2	126	7.5	<.2	10.7	210	<2	.030	2.45	<.040	.01
AUG 22...	44.0	--	3.9	104	5.5	<.2	11.2	146	14	.020	1.71	<.040	.05
SEP 12...	51.4	--	4.7	135	7.0	<.2	10.5	226	6	.030	2.40	<.040	.01
	01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)												
NOV 2004 09...	24.8	--	6.1	69	--	--	13.9	126	2	<.020	1.38	<.040	<.01
JAN 2005 06...	15.7	--	3.9	36	--	--	9.8	104	300	.080	1.49	<.040	.09
MAR 14...	21.0	--	5.1	52	--	--	13.1	118	8	<.020	1.78	<.040	.01
MAY 02...	21.8	--	4.8	58	--	--	13.3	134	4	.030	1.05	<.040	<.01
JUL 18...	33.2	--	7.3	88	--	--	18.9	194	6	.040	1.62	<.040	.05
SEP 06...	36.7	--	9.8	106	--	--	20.3	184	<2	.030	1.23	<.040	.05

**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 0.45UMF 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)
01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 10N LONG 076 48 10W)												
NOV 2004 09...	.012	.70	2.1	--	--	--	<200	--	--	--	--	<10
JAN 2005 06...	.061	1.1	2.1	--	--	--	1400	--	--	--	--	<10
MAR 14...	.019	1.1	1.5	--	--	--	310	--	--	--	--	<10
MAY 02...	.020	.85	--	--	--	--	220	--	--	--	--	<10
JUL 25...	.028	.63	--	--	--	--	<200	--	--	--	--	<10
SEP 06...	.040	.80	--	--	--	--	<200	--	--	--	--	<10
01554665 Elk Creek at Spring Bank near Millheim, PA (LAT 40 55 24N LONG 077 28 40W)												
FEB 2005 22...	.014	2.3	--	.6	80	<10	170	<4.0	20	<.20	<4	<4
MAR 16...	.014	2.8	--	.6	<20	<10	130	<4.0	20	<.20	4	<4
APR 18...	.017	2.3	--	.6	20	<10	150	<4.0	20	<.20	<4	<4
MAY 17...	.027	2.5	--	.4	40	<10	150	<4.0	20	<.20	<4	<4
JUN 13...	.022	2.5	--	.7	180	20	200	<4.0	20	<.20	<4	<4
JUL 19...	.023	2.3	--	.7	160	20	110	<4.0	20	<.20	<4	<4
AUG 22...	.033	1.9	--	1.0	100	20	310	<4.0	20	<.20	<4	<4
SEP 12...	.015	2.5	--	1.2	320	20	90	<4.0	20	<.20	<4	<4
01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)												
NOV 2004 09...	.012	1.6	2.3	--	--	--	<200	--	--	--	--	<10
JAN 2005 06...	.360	2.5	4.0	--	--	--	4800	--	--	--	--	<10
MAR 14...	.016	2.0	2.0	--	--	--	<200	--	--	--	--	<10
MAY 02...	.019	1.2	--	--	--	--	<200	--	--	--	--	<10
JUL 18...	.101	1.9	--	--	--	--	560	--	--	--	--	<10
SEP 06...	.062	1.5	--	--	--	--	230	--	--	--	--	<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)
	01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 10N LONG 076 48 10W)										
NOV 2004 09...	--	240	--	<1.0	--	100	--	<50	--	<10	--
JAN 2005 06...	--	2000	--	1.4	--	220	--	<50	--	10	--
MAR 14...	--	600	--	<1.0	--	180	--	<50	--	20	--
MAY 02...	--	460	--	<1.0	--	80	--	<50	--	<10	--
JUL 25...	--	140	--	<1.0	--	50	--	<50	--	<10	--
SEP 06...	--	260	--	<1.0	--	120	--	<50	--	<10	--
	01554665 Elk Creek at Spring Bank near Millheim, PA (LAT 40 55 24N LONG 077 28 40W)										
FEB 2005 22...	<20	150	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
MAR 16...	30	180	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
APR 18...	<20	230	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
MAY 17...	<20	130	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUN 13...	20	230	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUL 19...	<20	170	<1.0	<1.0	<10	<10	<4.0	<4.0	--	--	<5
AUG 22...	<20	460	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
SEP 12...	<20	<20	<1.0	<1.0	10	10	--	--	<5.0	<5.0	<5
	01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)										
NOV 2004 09...	--	180	--	<1.0	--	20	--	<50	--	30	--
JAN 2005 06...	--	7970	--	7.4	--	340	--	<50	--	30	--
MAR 14...	--	280	--	<1.0	--	20	--	<50	--	<10	--
MAY 02...	--	240	--	<1.0	--	20	--	<50	--	<10	--
JUL 18...	--	760	--	<1.0	--	60	--	<50	--	<10	--
SEP 06...	--	350	--	<1.0	--	40	--	<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)	Sam- pling method, code (82398)	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)
01555859 Beaverdam Br Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)													
NOV 2004 03...	0930	1028	9813	115	30	8.8	7.8	7.3	397	402	12.7	160	--
JAN 2005 11...	1030	1028	9813	319	30	12.5	7.5	7.7	265	260	5.2	95	--
MAR 21...	1150	1028	9813	126	30	14.3	7.8	7.7	389	391	5.2	120	--
MAY 24...	1100	1028	9813	55	30	9.2	7.4	7.8	435	412	12.1	160	--
JUL 07...	1400	1028	9813	19	30	8.4	7.8	7.9	601	650	20.3	230	--
SEP 22...	0945	1028	9813	14	30	6.8	7.8	7.8	659	736	16.7	240	--
01556009 Frankstown Br Juniata R at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)													
NOV 2004 03...	1045	1028	9813	322	30	11.0	8.1	8.0	422	426	12.9	180	--
JAN 2005 11...	0940	1028	9813	1180	30	12.8	7.9	8.0	257	253	5.2	100	--
MAR 21...	1300	1028	9813	390	30	15.1	8.5	8.3	391	389	7.1	150	--
MAY 24...	1245	1028	9813	231	30	9.7	8.1	8.3	456	446	13.2	180	--
JUL 07...	1300	1028	9813	98	30	10.7	8.3	8.4	548	593	20.8	230	--
SEP 22...	0815	1028	9813	75	30	7.4	7.9	8.0	591	662	15.0	230	--
01557990 Sinking Run near Spruce Creek, PA (LAT 40 36 39N LONG 078 11 17W)													
FEB 2005 23...	0915	1028	9813	9.3	40	14.4	8.1	8.1	249	150	4.1	120	--
MAR 21...	1430	1028	9813	1.1	40	14.5	9.0	8.6	193	196	7.5	91	--
APR 25...	1300	1028	9813	1.3	40	13.7	8.8	8.6	196	185	7.7	91	--
MAY 18...	1245	1028	9813	1.6	40	7.9	8.7	8.5	159	160	17.3	74	--
JUN 06...	1330	1028	9813	.35	40	8.4	9.0	8.8	153	145	23.4	68	--
JUL 06...	1200	1028	9813	.36	40	13.9	9.0	9.1	172	178	20.6	89	--
AUG 29...	1400	1028	9813	.14	40	10.7	9.0	8.9	153	157	19.9	73	--
SEP 14...	0800	1028	9813	.13	40	6.4	7.4	7.7	177	180	15.3	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, 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 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)
01555859 Beaverdam Br Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)													
NOV 2004 03...	41.0	--	13.5	63	--	--	79.5	248	16	<.020	1.47	<.040	.06
JAN 2005 11...	25.6	--	7.5	44	--	--	50.4	166	6	<.020	1.30	<.040	.01
MAR 21...	31.0	--	10.3	45	--	--	65.4	270	10	<.020	1.48	<.040	.03
MAY 24...	40.7	--	13.8	58	--	--	91.4	296	8	.040	1.95	<.040	.07
JUL 07...	61.7	--	18.0	95	--	--	98.9	422	14	.040	5.86	<.040	.55
SEP 22...	64.9	--	19.1	106	--	--	106	500	<2	.030	5.85	.080	.55
01556009 Frankstown Br Juniata R at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)													
NOV 2004 03...	46.9	--	15.3	122	--	--	44.1	274	4	<.020	2.05	<.040	.04
JAN 2005 11...	28.1	--	8.3	73	--	--	29.9	172	18	.040	1.95	<.040	.03
MAR 21...	37.7	--	12.6	97	--	--	43.3	276	8	.030	2.17	<.040	.03
MAY 24...	45.1	--	15.5	122	--	--	59.9	268	6	.020	2.50	<.040	.08
JUL 07...	58.8	--	21.2	166	--	--	57.7	368	<2	.020	3.18	<.040	.18
SEP 22...	57.1	--	21.6	169	--	--	66.4	448	<2	<.020	3.42	<.040	.21
01557990 Sinking Run near Spruce Creek, PA (LAT 40 36 39N LONG 078 11 17W)													
FEB 2005 23...	31.1	--	10.6	96	6.9	<.2	12.8	158	10	.030	2.56	<.040	.02
MAR 21...	22.1	--	8.7	73	4.2	<.2	11.7	166	<2	<.020	2.37	<.040	.03
APR 25...	22.8	--	8.2	76	3.5	<.2	11.5	154	8	<.020	2.26	<.040	.02
MAY 18...	19.8	--	6.0	62	3.2	<.2	10.6	136	4	<.020	1.13	<.040	.02
JUN 06...	19.4	--	4.8	62	2.8	<.2	9.9	102	6	<.020	.37	<.040	.02
JUL 06...	24.9	--	6.6	79	3.1	<.2	9.5	102	4	.020	.32	<.040	.02
AUG 29...	21.6	--	4.7	71	1.7	<.2	7.3	166	<2	.030	.13	<.040	.01
SEP 14...	27.0	--	5.0	84	1.8	<.2	7.3	122	<2	.030	.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, recover- able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Barium, water, 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)
01555859 Beaverdam Br Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)												
NOV 2004 03...	.095	1.9	2.9	--	--	--	290	--	--	--	--	<10
JAN 2005 11...	.028	1.4	1.4	--	--	--	550	--	--	--	--	<10
MAR 21...	.075	1.5	1.6	--	--	--	480	--	--	--	--	<10
MAY 24...	.183	2.4	--	--	--	--	560	--	--	--	--	<10
JUL 07...	.689	6.0	--	--	--	--	440	--	--	--	--	<10
SEP 22...	.597	5.8	--	--	--	--	<200	--	--	--	--	<10
01556009 Frankstown Br Juniata R at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)												
NOV 2004 03...	.047	2.3	3.0	--	--	--	<200	--	--	--	--	<10
JAN 2005 11...	.037	2.1	1.9	--	--	--	400	--	--	--	--	<10
MAR 21...	.038	2.4	2.7	--	--	--	<200	--	--	--	--	<10
MAY 24...	.114	2.8	--	--	--	--	<200	--	--	--	--	<10
JUL 07...	.199	3.4	--	--	--	--	<200	--	--	--	--	<10
SEP 22...	.240	3.4	--	--	--	--	<200	--	--	--	--	<10
01557990 Sinking Run near Spruce Creek, PA (LAT 40 36 39N LONG 078 11 17W)												
FEB 2005 23...	.016	3.1	--	.9	500	<10	160	<4.0	40	<.20	<4	<4
MAR 21...	.023	2.4	--	.5	20	<10	100	<4.0	20	<.20	<4	<4
APR 25...	.032	2.2	--	1.6	280	<10	80	<4.0	20	<.20	<4	<4
MAY 18...	.019	1.2	--	.4	500	<10	40	<4.0	20	<.20	<4	<4
JUN 06...	.210	.58	--	1.3	720	20	60	<4.0	20	<.20	<4	<4
JUL 06...	.026	.67	--	1.1	2600	20	60	<4.0	30	<.20	<4	<4
AUG 29...	.027	.29	--	1.1	160	30	50	<4.0	20	<.20	<4	5
SEP 14...	.016	.15	--	.4	140	20	40	<4.0	40	<.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)
01555859 Beaverdam Br Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)											
NOV 2004 03...	--	240	--	<1.0	--	850	--	<50	--	20	--
JAN 2005 11...	--	730	--	<1.0	--	490	--	<50	--	40	--
MAR 21...	--	710	--	<1.0	--	720	--	<50	--	30	--
MAY 24...	--	810	--	1.2	--	910	--	<50	--	50	--
JUL 07...	--	650	--	1.2	--	220	--	<50	--	50	--
SEP 22...	--	180	--	<1.0	--	110	--	<50	--	20	--
01556009 Frankstown Br Juniata R at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)											
NOV 2004 03...	--	100	--	<1.0	--	40	--	<50	--	<10	--
JAN 2005 11...	--	530	--	<1.0	--	120	--	<50	--	<10	--
MAR 21...	--	180	--	<1.0	--	190	--	<50	--	<10	--
MAY 24...	--	160	--	<1.0	--	70	--	<50	--	<10	--
JUL 07...	--	110	--	<1.0	--	50	--	<50	--	20	--
SEP 22...	--	90	--	<1.0	--	40	--	<50	--	<10	--
01557990 Sinking Run near Spruce Creek, PA (LAT 40 36 39N LONG 078 11 17W)											
FEB 2005 23...	<20	130	<1.0	<1.0	4.0	9.5	<4.0	<4.0	<5.0	<5.0	<5
MAR 21...	<20	90	<1.0	<1.0	2.9	5.0	<4.0	<4.0	<5.0	<5.0	<5
APR 25...	<20	110	<1.0	<1.0	<2.0	5.3	<4.0	<4.0	<5.0	<5.0	13
MAY 18...	<20	60	<1.0	<1.0	3.9	5.3	<4.0	<4.0	<5.0	<5.0	<5
JUN 06...	<20	60	<1.0	<1.0	6.5	8.7	<4.0	<4.0	<5.0	<5.0	<5
JUL 06...	<20	90	<1.0	<1.0	5.2	8.1	<4.0	<4.0	<5.0	<5.0	<5
AUG 29...	30	90	<1.0	<1.0	5.7	9.1	<4.0	<4.0	<5.0	8.6	<5
SEP 14...	20	90	<1.0	<1.0	33	37	<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 col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf 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)
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)													
OCT 2004													
21...	1400	1028	9813	247	30	10.6	7.7	7.5	168	165	10.7	68	--
NOV													
02...	1130	1028	9813	157	30	9.7	7.5	7.4	169	166	12.9	67	--
DEC													
07...	1300	1028	9813	592	30	12.1	6.9	7.1	118	135	5.3	46	--
JAN 2005													
11...	1330	1028	9813	1250	30	13.5	7.5	7.8	105	106	4.7	38	--
MAR													
21...	1020	1028	9813	247	30	13.2	8.1	7.8	150	150	6.5	54	--
MAY													
24...	1430	1028	9813	143	30	9.1	7.7	7.9	171	166	15.0	66	--
JUL													
07...	1100	1028	9813	59	30	7.9	7.8	8.1	198	217	24.7	92	--
SEP													
22...	1315	1028	9813	27	30	8.0	8.1	8.0	301	329	19.9	130	--
01566005 East Licking Creek ab Reservoir nr Lewistown, PA (LAT 40 32 48N LONG 077 31 40W)													
FEB 2005													
22...	1015	1028	9813	38	40	13.6	6.7	7.3	45	43	2.1	17	--
MAR													
21...	0930	1028	9813	37	40	10.8	6.9	6.8	47	45	4.4	19	--
APR													
25...	0945	1028	9813	97	40	12.1	6.3	7.2	45	41	6.5	17	--
MAY													
17...	0930	1028	9813	16	40	10.1	7.0	7.5	55	53	10.2	23	--
JUN													
06...	0900	1028	9813	12	40	9.1	7.0	7.4	63	60	15.6	27	--
JUL													
18...	0845	1028	9813	13	40	7.8	6.7	7.4	59	58	20.2	27	--
AUG													
29...	0915	1028	9813	5.2	40	8.2	7.2	7.7	77	79	17.9	36	--
SEP													
20...	0930	1028	9813	3.6	40	7.7	7.1	7.7	92	91	17.3	45	--
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)													
OCT 2004													
19...	1115	1028	9813	38	30	9.4	7.3	7.6	542	541	10.9	280	--
NOV													
01...	0900	1028	9813	39	30	9.4	7.4	7.8	546	550	10.3	290	--
DEC													
01...	0945	1028	9813	34	30	10.3	7.3	7.8	547	532	10.5	280	--
JAN 2005													
18...	1100	1028	9813	39	30	11.5	7.7	7.8	551	474	8.5	290	--
FEB													
14...	0830	1028	9813	34	30	9.2	7.5	7.9	545	545	9.5	270	--
MAR													
07...	0845	1028	9813	33	30	9.3	6.9	7.9	543	547	9.6	290	--
APR													
27...	0830	1028	9813	48	30	8.7	7.4	7.9	548	528	10.8	270	--
MAY													
10...	0830	1028	9813	32	30	9.6	7.2	7.9	543	550	10.9	280	--
JUN													
07...	1130	1028	9813	30	30	10.4	7.6	8.0	547	544	12.6	270	--
JUL													
11...	1400	1028	9813	23	30	12.7	7.7	8.0	533	549	14.1	260	--
AUG													
17...	1100	1028	9813	21	30	9.7	7.6	8.0	534	508	11.9	280	--
SEP													
19...	0830	1028	9813	19	30	8.8	7.0	7.7	532	551	10.9	290	--

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES
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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, 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)
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)													
OCT 2004 21...	19.7	--	4.6	53	8.9	<.2	11.9	116	4	<.020	.45	<.040	<.01
NOV 02...	19.3	--	4.6	55	9.2	<.2	12.2	104	<2	<.020	.24	<.040	<.01
DEC 07...	13.0	--	3.2	33	6.2	<.2	11.2	96	10	<.020	.93	<.040	.01
JAN 2005 11...	10.5	--	2.8	27	5.3	<.2	11.2	62	10	<.020	1.18	<.040	.01
MAR 21...	15.5	--	3.7	41	--	--	12.2	104	6	.020	.72	<.040	.01
MAY 24...	19.6	--	4.2	51	--	--	12.9	110	<2	.030	.50	<.040	.01
JUL 07...	27.2	--	5.8	73	--	--	14.5	136	2	.030	.31	<.040	.03
SEP 22...	36.8	--	9.2	107	--	--	21.9	172	6	.020	.08	<.040	.01
01566005 East Licking Creek ab Reservoir nr Lewistown, PA (LAT 40 32 48N LONG 077 31 40W)													
FEB 2005 22...	4.6	--	1.4	13	.91	<.2	5.7	48	2	<.020	.64	<.040	<.01
MAR 21...	5.1	--	1.5	11	.90	<.2	5.9	74	6	<.020	.57	<.040	<.01
APR 25...	4.7	--	1.3	11	.85	<.2	5.9	66	4	<.020	.44	<.040	<.01
MAY 17...	6.5	--	1.7	18	.84	<.2	5.7	58	<2	<.020	.36	<.040	<.01
JUN 06...	7.7	--	1.8	23	.97	<.2	5.2	38	<2	<.020	.38	<.040	<.01
JUL 18...	7.9	--	1.7	23	.77	<.2	5.3	76	<2	.020	.22	<.040	.01
AUG 29...	10.6	--	2.3	34	.73	<.2	4.1	66	<2	<.020	.22	<.040	<.01
SEP 20...	13.5	--	2.7	43	.83	<.2	4.1	54	<2	.040	.17	<.040	<.01
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)													
OCT 2004 19...	86.1	--	16.1	229	9.6	<.2	19.9	372	2	<.020	6.92	<.040	<.01
NOV 01...	89.6	--	16.5	228	11.6	<.2	20.0	334	<2	<.020	6.99	<.040	<.01
DEC 01...	87.1	--	15.9	226	11.4	<.2	19.6	332	10	<.020	7.01	<.040	.01
JAN 2005 18...	87.5	--	16.3	229	11.5	<.2	20.7	356	14	.030	7.36	<.040	<.01
FEB 14...	84.6	--	15.2	230	12.0	<.2	20.8	366	6	<.020	7.35	<.040	<.01
MAR 07...	87.9	--	16.4	230	12.1	<.2	20.7	302	<2	<.020	7.30	<.040	<.01
APR 27...	81.4	--	16.1	231	11.8	<.2	22.6	356	<2	<.020	7.14	<.040	<.01
MAY 10...	87.4	--	15.9	227	11.7	<.2	21.5	364	<2	.030	7.30	<.040	2.22
JUN 07...	83.8	--	14.8	227	11.8	<.2	20.8	406	<2	<.020	7.09	<.040	<.01
JUL 11...	80.4	--	14.8	230	12.1	<.2	21.0	432	<2	.030	7.18	<.040	<.01
AUG 17...	84.8	--	16.0	232	12.1	<.2	21.1	424	<2	.030	7.23	<.040	.01
SEP 19...	87.9	--	16.4	229	12.0	<.2	21.0	386	<2	.020	7.44	<.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 0.45UMF 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)
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)												
OCT 2004 21...	<.010	.55	--	.7	80	<10	50	<4.0	50	<.20	<4	<4
NOV 02...	.013	.45	--	.7	40	<10	40	<4.0	50	<.20	<4	<4
DEC 07...	.014	1.2	--	.6	180	<10	100	<4.0	40	<.20	<4	<4
JAN 2005 11...	.013	1.2	--	1.5	240	20	230	<4.0	40	<.20	<4	<4
MAR 21...	.013	.71	1.5	--	--	--	<200	--	--	--	--	<10
MAY 24...	.013	.75	--	--	--	--	<200	--	--	--	--	<10
JUL 07...	.027	.58	--	--	--	--	270	--	--	--	--	<10
SEP 22...	.013	.40	--	--	--	--	<200	--	--	--	--	<10
01566005 East Licking Creek ab Reservoir nr Lewistown, PA (LAT 40 32 48N LONG 077 31 40W)												
FEB 2005 22...	<.010	.56	--	1.1	140	<10	60	<4.0	20	<.20	<4	<4
MAR 21...	<.010	.54	--	1.1	<20	10	80	<4.0	20	<.20	<4	<4
APR 25...	<.010	.39	--	1.1	40	20	70	<4.0	20	<.20	<4	<4
MAY 17...	<.010	.55	--	.2	40	10	40	7.9	30	<.20	<4	<4
JUN 06...	.247	.48	--	.7	<20	30	60	<4.0	30	<.20	<4	<4
JUL 18...	.013	.30	--	.4	170	40	200	<4.0	30	<.20	<4	<4
AUG 29...	<.010	.25	--	1.2	360	30	70	<4.0	30	<.20	<4	<4
SEP 20...	<.010	.50	--	<.2	80	20	30	<4.0	30	<.20	<4	<4
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)												
OCT 2004 19...	<.010	7.0	--	.5	80	<10	20	<4.0	50	<.20	<4	<4
NOV 01...	.017	7.5	--	.5	100	<10	10	<4.0	50	<.20	<4	<4
DEC 01...	.022	7.7	--	<.2	280	<10	50	<4.0	40	<.20	<4	<4
JAN 2005 18...	<.010	7.4	--	1.1	<10	10	30	<4.0	50	<.20	<4	<4
FEB 14...	<.010	7.3	--	.5	30	<10	30	<4.0	50	<.20	<4	<4
MAR 07...	<.010	7.8	--	.8	<20	<10	30	<4.0	50	<.20	<4	<4
APR 27...	<.010	7.1	--	.6	70	<10	10	<4.0	40	<.20	<4	<4
MAY 10...	<.010	6.9	--	.6	100	20	30	<4.0	40	<.20	<4	<4
JUN 07...	.211	7.5	--	<.2	200	<10	20	<4.0	50	<.20	<4	<4
JUL 11...	.012	7.0	--	.6	140	30	40	<4.0	40	<.20	<4	<4
AUG 17...	.014	7.3	--	.2	80	<10	20	<4.0	40	<.20	<4	<4
SEP 19...	.015	7.0	--	.3	40	20	20	<4.0	40	<.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)
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)											
OCT 2004 21...	50	200	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
NOV 02...	60	160	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
DEC 07...	<20	180	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
JAN 2005 11...	20	330	<1.0	<1.0	<10	20	<4.0	<4.0	<5.0	<5.0	<5
MAR 21...	--	190	--	<1.0	--	20	--	<50	--	<10	--
MAY 24...	--	180	--	<1.0	--	20	--	<50	--	<10	--
JUL 07...	--	410	--	<1.0	--	40	--	<50	--	20	--
SEP 22...	--	120	--	<1.0	--	30	--	<50	--	<10	--
01566005 East Licking Creek ab Reservoir nr Lewistown, PA (LAT 40 32 48N LONG 077 31 40W)											
FEB 2005 22...	<20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
MAR 21...	20	70	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
APR 25...	30	80	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	<5.0	<5
MAY 17...	<20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUN 06...	30	100	<1.0	<1.0	<10	20	<4.0	5.2	7.2	7.5	15
JUL 18...	80	300	<1.0	<1.0	10	30	<4.0	<4.0	--	--	<5
AUG 29...	20	140	<1.0	<1.0	<10	20	<4.0	<4.0	--	--	<5
SEP 20...	30	130	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	8.2	<5
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)											
OCT 2004 19...	<20	70	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
NOV 01...	<20	40	<1.0	<1.0	<10	<10	7.6	7.6	<5.0	<5.0	<5
DEC 01...	40	130	<1.0	<1.0	<10	10	<4.0	<4.0	<5.0	62	<5
JAN 2005 18...	<20	60	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
FEB 14...	<20	70	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
MAR 07...	<20	50	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
APR 27...	<20	40	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
MAY 10...	<20	40	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUN 07...	<20	40	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
JUL 11...	<20	50	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
AUG 17...	<20	50	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5
SEP 19...	<20	90	<1.0	<1.0	<10	<10	<4.0	8.1	7.4	19	<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)	Sampling method, code (82398)	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, ftrd, mg/L (00915)
01569195 Conodoguinet Creek ab Reservoir near Roxbury, PA (LAT 40 05 38N LONG 077 43 15W)													
FEB 2005													
14...	1115	1028	9813	32	40	13.0	7.1	7.5	61	59	.4	25	--
MAR													
09...	1130	1028	9813	61	40	13.9	6.9	7.2	56	55	-.1	19	--
APR													
27...	1145	1028	9813	30	40	9.8	7.3	7.5	60	57	11.0	25	--
MAY													
10...	1130	1028	9813	20	40	10.7	7.7	7.7	71	71	13.0	30	--
JUN													
07...	0900	1028	9813	67	40	8.7	6.8	7.4	55	54	16.0	24	--
JUL													
11...	1100	1028	9813	9.0	40	9.9	7.4	7.1	87	89	18.2	38	--
AUG													
17...	0830	1028	9813	12	40	7.4	7.3	7.7	98	94	18.3	47	--
SEP													
19...	1045	1028	9813	3.0	40	7.6	7.6	8.0	128	132	15.5	66	--
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)													
OCT 2004													
19...	0845	1028	9813	340	40	11.3	7.7	8.0	315	314	11.1	140	--
NOV													
01...	1115	1028	9813	298	40	10.2	8.1	8.1	328	330	12.8	150	--
DEC													
01...	0800	1028	9813	605	40	12.0	7.7	8.0	263	254	8.6	110	--
02...	0745	1028	9813	711	40	12.1	7.5	7.9	221	209	7.5	93	--
14...	0900	1028	9813	554	40	12.1	7.8	8.0	250	245	6.0	110	--
JAN 2005													
13...	1000	1028	9813	572	40	12.4	8.0	8.0	261	240	7.1	110	--
MAR													
09...	0830	1028	9813	514	40	13.1	7.6	8.0	293	293	3.2	110	--
29...	0900	1028	9813	2660	40	10.7	6.6	7.7	162	159	6.5	73	--
APR													
14...	0945	1028	9813	554	40	9.8	7.5	8.1	268	269	11.2	120	--
MAY													
10...	0730	1028	9813	306	40	9.8	8.3	8.2	309	309	15.9	140	--
JUN													
07...	0800	1028	9813	594	40	9.5	7.9	8.1	285	285	18.9	120	--
16...	0845	1028	9813	222	40	8.5	8.1	8.2	296	286	21.8	130	--
JUL													
13...	0915	1028	9813	217	40	8.1	7.8	8.2	318	329	21.3	150	--
AUG													
18...	0915	1028	9813	175	40	9.0	8.1	8.0	322	325	20.7	150	--
SEP													
27...	0845	1028	9813	131	40	8.7	7.9	8.2	346	356	17.5	160	--

**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)
01569195 Conodoguinet Creek ab Reservoir near Roxbury, PA (LAT 40 05 38N LONG 077 43 15W)													
FEB 2005													
14...	7.1	--	1.6	22	1.6	<.2	4.9	52	<2	<.020	.58	<.040	<.01
MAR													
09...	5.4	--	1.4	14	3.3	<.2	5.3	60	6	.020	.78	<.040	<.01
APR													
27...	7.1	--	1.7	21	1.5	<.2	5.2	34	4	<.020	.47	<.040	<.01
MAY													
10...	8.8	--	2.0	28	1.5	<.2	4.7	60	<2	.020	.40	<.040	<.01
JUN													
07...	7.1	--	1.6	17	1.2	<.2	4.8	100	26	<.020	.43	<.040	.02
JUL													
11...	11.3	--	2.3	40	1.5	<.2	4.4	88	<2	.030	.25	<.040	<.01
AUG													
17...	14.2	--	2.8	44	1.4	<.2	5.2	136	4	<.020	.25	<.040	<.01
SEP													
19...	20.0	--	3.9	64	1.1	<.2	3.4	96	<2	.020	.09	<.040	<.01
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)													
OCT 2004													
19...	39.2	--	10.1	114	--	--	14.0	214	2	<.020	--	--	.02
NOV													
01...	41.8	--	11.1	119	--	--	14.5	196	<2	<.020	--	--	.02
DEC													
01...	31.6	--	7.7	87	--	--	13.2	180	14	.020	--	--	.03
02...	25.9	--	6.8	75	--	--	12.4	140	26	.020	--	--	.04
14...	29.3	--	8.2	86	--	--	13.9	164	8	.030	--	--	.02
JAN 2005													
13...	30.9	--	7.6	91	--	--	15.6	126	4	.050	--	--	.02
MAR													
09...	31.7	--	7.7	86	--	--	14.8	198	20	.030	--	--	.02
29...	19.5	--	6.0	48	--	--	11.0	126	186	.100	--	--	.06
APR													
14...	32.4	--	9.3	92	--	--	15.6	180	10	.100	--	--	.02
MAY													
10...	37.3	--	10.3	112	--	--	15.1	196	<2	.030	--	--	.01
JUN													
07...	33.2	--	9.9	104	--	--	14.8	216	120	.060	--	--	.05
16...	34.3	--	10.7	108	--	--	13.8	184	14	.030	--	--	.05
JUL													
13...	40.1	--	11.0	116	--	--	15.7	222	18	.070	--	--	.04
AUG													
18...	39.5	--	11.4	124	--	--	14.7	220	<2	.120	--	--	.04
SEP													
27...	43.3	--	12.6	134	--	--	16.6	238	<2	.060	--	--	.03

**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, fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)
01569195 Conodoguinet Creek ab Reservoir near Roxbury, PA (LAT 40 05 38N LONG 077 43 15W)												
FEB 2005												
14...	<.010	.76	--	1.1	60	10	80	<4.0	30	<.20	<4	<4
MAR												
09...	<.010	.71	--	1.1	<20	30	140	<4.0	30	<.20	<4	<4
APR												
27...	<.010	.47	--	1.1	40	20	70	<4.0	30	<.20	<4	<4
MAY												
10...	.012	.80	--	1.7	60	20	60	<4.0	30	<.20	<4	<4
JUN												
07...	.261	1.1	--	1.0	9000	70	920	<4.0	40	<.20	<4	<4
JUL												
11...	.011	.38	--	.5	100	100	100	<4.0	30	<.20	<4	<4
AUG												
17...	<.010	.28	--	.3	240	<10	70	<4.0	30	<.20	<4	<4
SEP												
19...	<.010	.12	--	.4	90	20	40	<4.0	30	<.20	<4	<4
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)												
OCT 2004												
19...	.029	2.8	1.7	--	--	--	<200	--	--	--	--	<10
NOV												
01...	.028	2.7	2.1	--	--	--	<200	--	--	--	--	<10
DEC												
01...	.046	2.0	2.4	--	--	--	310	--	--	--	--	<10
02...	.057	1.8	2.8	--	--	--	330	--	--	--	--	<10
14...	.025	2.3	1.9	--	--	--	<200	--	--	--	--	<10
JAN 2005												
13...	.029	2.1	1.8	--	--	--	240	--	--	--	--	<10
MAR												
09...	.034	2.0	2.3	--	--	--	360	--	--	--	--	<10
29...	.319	2.2	4.5	--	--	--	5900	--	--	--	--	10
APR												
14...	.036	2.3	1.6	--	--	--	290	--	--	--	--	<10
MAY												
10...	.018	2.4	1.5	--	--	--	<200	--	--	--	--	<10
JUN												
07...	.808	3.1	4.0	--	--	--	1900	--	--	--	--	<10
16...	.066	2.5	2.3	--	--	--	340	--	--	--	--	<10
JUL												
13...	.071	2.5	2.0	--	--	--	410	--	--	--	--	<10
AUG												
18...	.042	2.5	1.7	--	--	--	<200	--	--	--	--	<10
SEP												
27...	.036	2.8	1.4	--	--	--	<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)
01569195 Conodoguinet Creek ab Reservoir near Roxbury, PA (LAT 40 05 38N LONG 077 43 15W)											
FEB 2005											
14...	20	120	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
MAR											
09...	30	140	<1.0	<1.0	20	30	<4.0	<4.0	<5.0	<5.0	<5
APR											
27...	50	160	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
MAY											
10...	50	140	<1.0	<1.0	10	20	<4.0	<4.0	<5.0	<5.0	<5
JUN											
07...	130	1100	<1.0	<1.0	30	90	<4.0	<4.0	<5.0	13	<5
JUL											
11...	90	230	<1.0	<1.0	20	20	<4.0	<4.0	<5.0	<5.0	<5
AUG											
17...	30	250	<1.0	<1.0	20	40	<4.0	<4.0	<5.0	<5.0	<5
SEP											
19...	<20	90	<1.0	<1.0	20	20	<4.0	<4.0	--	--	<5
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)											
OCT 2004											
19...	--	130	--	<1.0	--	10	--	<50	--	<10	--
NOV											
01...	--	140	--	<1.0	--	20	--	<50	--	<10	--
DEC											
01...	--	450	--	1.1	--	40	--	<50	--	<10	--
02...	--	620	--	1.1	--	50	--	<50	--	<10	--
14...	--	330	--	<1.0	--	20	--	<50	--	<10	--
JAN 2005											
13...	--	370	--	<1.0	--	30	--	<50	--	<10	--
MAR											
09...	--	510	--	<1.0	--	40	--	<50	--	<10	--
29...	--	6830	--	8.7	--	240	--	<50	--	40	--
APR											
14...	--	390	--	<1.0	--	30	--	<50	--	10	--
MAY											
10...	--	180	--	2.4	--	20	--	<50	--	10	--
JUN											
07...	--	2590	--	4.7	--	170	--	<50	--	<10	--
16...	--	390	--	<1.0	--	30	--	<50	--	<10	--
JUL											
13...	--	460	--	<1.0	--	30	--	<50	--	10	--
AUG											
18...	--	230	--	<1.0	--	20	--	<50	--	<10	--
SEP											
27...	--	140	--	<1.0	--	20	--	<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 collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	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, unfltrd, mg/L (00915)	
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)														
OCT 2004 20...	1030	1028	9813	7.3	30	10.9	6.4	6.9	66	65	10.1	19	4.8	
NOV 02...	0815	1028	9813	5.0	30	10.5	7.0	6.9	65	64	10.5	18	4.4	
DEC 01...	1215	1028	9813	37	30	12.2	6.3	7.0	60	56	8.2	18	4.5	
JAN 2005 18...	1315	1028	9813	20	30	14.8	7.2	6.8	59	63	.0	15	3.6	
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)														
NOV 2004 01...	1315	1028	9813	--	30	11.1	8.1	8.3	490	493	12.9	220	--	
JAN 2005 13...	1145	1028	9813	--	30	12.7	8.0	8.0	409	371	7.1	180	--	
MAR 07...	1145	1028	9813	--	30	13.7	8.1	8.2	519	524	5.7	220	--	
MAY 10...	1130	1028	9813	--	30	8.8	7.9	8.2	533	522	14.8	210	--	
JUL 13...	1100	1028	9813	--	30	8.0	8.0	8.1	540	558	21.1	240	--	
SEP 01...	1145	1028	9813	--	30	7.9	7.9	7.8	617	640	20.9	250	--	
Date	Calcium water unfltrd recoverable, mg/L (00916)	Magnesium, water, unfltrd, mg/L (00925)	Magnesium, water, unfltrd recoverable, mg/L (00927)	ANC, wat unfl fixed end pt, lab, mg/L as CaCO3 (00417)	Chloride, water, unfltrd, mg/L (00940)	Fluoride, water, unfltrd, mg/L (00951)	Sulfate, water, unfltrd, mg/L (00945)	Residue on evap. at 105degC, wat flt (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-phosphate, water, unfltrd, mg/L as P (70507)	
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)														
OCT 2004 20...	4.8	1.8	1.8	14	5.1	<.2	6.1	64	<2	<.020	.52	<.040	<.01	
NOV 02...	4.5	1.6	1.7	16	4.8	<.2	5.5	54	<2	<.020	.48	<.040	<.01	
DEC 01...	4.5	1.6	1.6	11	3.7	<.2	7.3	66	2	<.020	.60	<.040	.01	
JAN 2005 18...	3.7	1.4	1.5	11	3.6	<.2	7.2	74	8	<.020	.93	<.040	<.01	
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)														
NOV 2004 01...	60.3	--	17.1	149	--	--	23.3	296	<2	<.020	9.63	<.040	.07	
JAN 2005 13...	47.5	--	14.1	121	--	--	25.3	278	12	.070	8.94	<.040	.09	
MAR 07...	60.7	--	17.5	141	--	--	26.3	314	12	.020	10.5	.040	.04	
MAY 10...	58.8	--	16.3	156	--	--	27.0	342	<2	.050	11.2	.070	.06	
JUL 13...	66.7	--	18.0	167	--	--	33.5	372	12	.030	10.4	<.040	.08	
SEP 01...	71.2	--	18.5	185	--	--	29.8	438	<2	.030	11.1	<.040	.07	

**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	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, M-FC 0.45µMF col/100 mL (31616)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, 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)
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)												
OCT 2004 20...	<.010	.84	--	.6	80	20	40	<4.0	20	<.20	<4	<4
NOV 02...	<.010	.69	3.5	<.2	<10	10	30	<4.0	30	<.20	<4	<4
DEC 01...	.014	1.4	--	.8	160	100	280	<4.0	30	<.20	<4	<4
JAN 2005 18...	<.010	1.1	--	1.7	20	40	50	<4.0	20	<.20	<4	<4
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)												
NOV 2004 01...	.076	11	3.5	--	--	--	<200	--	--	--	--	<10
JAN 2005 13...	.102	8.9	2.8	--	--	--	700	--	--	--	--	<10
MAR 07...	.034	11	2.2	--	--	--	<200	--	--	--	--	<10
MAY 10...	.071	11	--	--	--	--	<200	--	--	--	--	10
JUL 13...	.092	10	--	--	--	--	360	--	--	--	--	<10
SEP 01...	.086	12	--	--	--	--	<200	--	--	--	--	<10
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)	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)	Zinc, water, unfltrd recover -able, µg/L (01092)	Phenolic compounds, water, unfltrd µg/L (32730)	
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)												
OCT 2004 20...	60	130	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5	
NOV 02...	50	110	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5	
DEC 01...	130	350	<1.0	<1.0	10	30	<4.0	<4.0	8.6	16	<5	
JAN 2005 18...	30	80	<1.0	<1.0	<10	<10	<4.0	<4.0	<5.0	<5.0	<5	
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)												
NOV 2004 01...	--	120	--	<1.0	--	10	--	<50	--	10	--	
JAN 2005 13...	--	770	--	1.5	--	40	--	<50	--	<10	--	
MAR 07...	--	280	--	<1.0	--	30	--	<50	--	<10	--	
MAY 10...	--	220	--	<1.0	--	30	--	<50	--	<10	--	
JUL 13...	--	450	--	<1.0	--	40	--	<50	--	30	--	
SEP 01...	--	160	--	<1.0	--	20	--	<50	--	20	--	

**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 col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Sam- pling depth, meters (00098)	Sam- pling method, code (82398)	Trans- parency Secchi disc, meters (00078)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)
01534380 Crystal Lake near Dundaff, PA (LAT 41 38 08N LONG 075 31 55W)													
AUG 2005	1100	1028	9813	1.0	30	7.5	7.8	8.1	98	26.0	28	9.5	1.0
03...	1110	1028	9813	19.0	30	--	5.0	6.2	102	6.0	29	10.1	1.0
01543896 George B. Stevenson Lake near First Fork, PA (LAT 41 24 35N LONG 078 01 15W)													
AUG 2005	1530	1028	9813	1.0	30	1.8	6.9	7.4	79	28.3	25	6.9	1.9
17...	1600	1028	9813	7.0	30	--	1.0	6.2	93	23.0	30	8.4	2.2
01544800 Kettle Creek Lake at Kettle Creek Dam, PA (LAT 41 21 37N LONG 077 55 27W)													
AUG 2005	1100	1028	9813	1.0	30	2.7	6.5	7.2	69	27.2	24	7.0	1.7
17...	1130	1028	9813	8.0	30	--	1.0	6.1	84	24.3	31	8.9	2.0
01552070 Rose Valley Lake near Bodines, PA (LAT 41 23 12N LONG 076 59 54W)													
AUG 2005	1600	1028	9813	1.0	30	.5	7.8	7.6	60	24.4	21	6.6	1.1
15...	1630	1028	9813	5.0	30	--	.8	6.7	67	21.7	27	8.7	1.3
01553650 Lake Chillisquaque near White Hall, PA (LAT 41 06 08N LONG 076 39 41W)													
AUG 2005	1230	1028	9813	1.0	30	1.2	5.3	8.6	185	28.7	78	20.9	6.2
15...	1300	1028	9813	9.0	30	--	1.4	6.6	199	13.3	64	18.3	4.5
01555124 Faylor Lake at Beaver Springs, PA (LAT 40 45 47N LONG 077 12 51W)													
AUG 2005	1040	1028	9813	1.0	30	1.5	5.7	9.2	142	27.2	64	16.9	5.4
16...	1110	1028	9813	3.0	30	--	.9	6.8	318	21.7	89	25.8	5.9
01555142 Walker Lake at Troxelville, PA (LAT 40 47 48N LONG 077 11 47W)													
AUG 2005	1400	1028	9813	1.0	30	2.7	7.3	9.7	115	27.0	50	14.9	3.2
16...	1430	1028	9813	7.5	30	--	1.1	6.6	182	13.0	55	15.6	3.8
01564950 Laurel Creek Reservoir near Milroy, PA (LAT 40 43 48N LONG 077 37 45W)													
AUG 2005	1100	1028	9813	1.0	30	6.0	7.1	7.2	75	25.5	16	3.9	1.6
18...	1130	1028	9813	29.0	30	--	4.9	4.9	83	6.0	14	3.5	1.4
01569200 Letterkenny Reservoir near Roxbury, PA (LAT 40 06 52N LONG 077 41 18W)													
JUL 2005	1130	1028	9813	1.0	30	3.8	7.7	7.8	97	25.2	38	11.3	2.4
07...	1148	1028	9813	9.0	30	--	.2	6.3	79	8.7	23	6.6	1.7
01569765 Opossum Lake near Plainfield, PA (LAT 40 13 32N LONG 077 16 32W)													
JUL 2005	1045	1028	9813	1.0	30	1.6	11.4	9.4	116	27.9	32	6.7	3.8
13...	1056	1028	9813	7.0	30	--	.2	6.9	176	8.9	38	8.5	4.1
01603700 Lake Koon near Cooks Mills, PA (LAT 39 45 52N LONG 078 39 54W)													
JUL 2005	1230	1028	9813	1.0	30	6.5	8.4	8.5	171	28.0	66	20.8	3.5
20...	1240	1028	9813	13.0	30	--	3.3	6.7	165	5.9	69	21.9	3.4
01603800 Lake Gordon near Cooks Mills, PA (LAT 39 44 52N LONG 078 40 34W)													
JUL 2005	1030	1028	9813	1.0	30	1.9	6.9	7.6	187	25.1	78	24.8	3.9
21...	1040	1028	9813	14.0	30	--	4.3	7.2	197	22.6	85	27.2	4.1

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PENNSYLVANIA WATER-QUALITY NETWORK**

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

MISCELLANEOUS LAKE ANALYSES

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (00417)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd as N mg/L (00610)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Chloro- phyll a phyto- plank- ton, uncorr, µg/L (32230)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, unfltrd water, recover -able, µg/L (01105)	Copper, water, fltrd, µg/L (01040)	Copper, unfltrd water, recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, unfltrd water, recover -able, µg/L (01045)
01534380 Crystal Lake near Dundaff, PA (LAT 41 38 08N LONG 075 31 55W)													
AUG 2005													
03...	22	6.5	2	<.020	.013	.08	.000	20	30	<4	<4	<20	<20
03...	23	6.3	<2	<.020	.019	.22	--	20	30	<4	<4	<20	100
01543896 George B. Stevenson Lake near First Fork, PA (LAT 41 24 35N LONG 078 01 15W)													
AUG 2005													
17...	23	6.9	8	.020	.014	.17	.000	20	30	<4	<4	90	240
17...	29	6.1	20	.340	.065	.39	--	20	50	<4	<4	1270	2340
01544800 Kettle Creek Lake at Kettle Creek Dam, PA (LAT 41 21 37N LONG 077 55 27W)													
AUG 2005													
17...	22	6.3	<2	<.020	.013	.10	.000	20	30	<4	<4	60	150
17...	33	4.6	4	.620	.156	.71	--	20	40	<4	<4	5390	5670
01552070 Rose Valley Lake near Bodines, PA (LAT 41 23 12N LONG 076 59 54W)													
AUG 2005													
15...	17	5.7	16	.030	.030	.78	.048	30	30	<4	<4	40	130
15...	32	3.5	16	.590	.107	1.1	--	20	20	<4	<4	2980	3730
01553650 Lake Chillisquaque near White Hall, PA (LAT 41 06 08N LONG 076 39 41W)													
AUG 2005													
15...	39	43.4	2	<.020	.015	.34	.012	60	70	<4	<4	30	110
15...	77	5.5	58	2.49	.172	3.1	--	30	1400	<4	<4	9440	13000
01555124 Faylor Lake at Beaver Springs, PA (LAT 40 45 47N LONG 077 12 51W)													
AUG 2005													
16...	53	8.6	6	<.020	.026	.44	.011	20	50	<4	<4	30	210
16...	78	8.0	30	.050	.158	1.3	--	20	130	<4	<4	30	1240
01555142 Walker Lake at Troxelville, PA (LAT 40 47 48N LONG 077 11 47W)													
AUG 2005													
16...	42	8.3	2	.020	.091	2.3	.211	30	400	<4	<4	20	490
16...	70	<1.0	<2	2.81	.335	3.4	--	20	80	<4	<4	5700	5780
01564950 Laurel Creek Reservoir near Milroy, PA (LAT 40 43 48N LONG 077 37 45W)													
AUG 2005													
18...	10	5.7	8	.050	.145	.18	.000	30	30	<4	<4	30	50
18...	6	7.0	6	.110	<.010	.09	--	30	70	<4	<4	20	190
01569200 Letterkenny Reservoir near Roxbury, PA (LAT 40 06 52N LONG 077 41 18W)													
JUL 2005													
07...	34	4.3	<2	.020	.012	.30	.006	10	20	<4	<4	120	180
07...	22	5.2	8	.340	.034	.70	--	10	30	<4	<4	200	700
01569765 Opossum Lake near Plainfield, PA (LAT 40 13 32N LONG 077 16 32W)													
JUL 2005													
13...	28	8.9	<2	<.020	.026	.46	.017	10	10	<4	<4	20	110
13...	58	2.9	4	1.67	.085	2.1	--	<10	30	<4	<4	4700	6110
01603700 Lake Koon near Cooks Mills, PA (LAT 39 45 52N LONG 078 39 54W)													
JUL 2005													
20...	58	11.1	16	.030	<.010	.49	.000	20	20	<4	<4	30	<20
20...	59	11.7	12	.030	.018	.48	--	10	20	<4	<4	60	30
01603800 Lake Gordon near Cooks Mills, PA (LAT 39 44 52N LONG 078 40 34W)													
JUL 2005													
21...	65	12.1	10	.030	.015	.43	.006	<10	40	<4	<4	<20	90
21...	71	12.5	10	.080	.016	.54	--	10	250	<4	<4	40	330

**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, 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)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
01534380 Crystal Lake near Dundaff, PA (LAT 41 38 08N LONG 075 31 55W)						
AUG 2005						
03...	<1.0	<1.0	<2	10	<5.0	8.0
03...	<1.0	<1.0	20	140	<5.0	<5.0
01543896 George B. Stevenson Lake near First Fork, PA (LAT 41 24 35N LONG 078 01 15W)						
AUG 2005						
17...	<1.0	<1.0	3	30	<5.0	<5.0
17...	<1.0	<1.0	760	1040	5.5	<5.0
01544800 Kettle Creek Lake at Kettle Creek Dam, PA (LAT 41 21 37N LONG 077 55 27W)						
AUG 2005						
17...	<1.0	<1.0	2	30	<5.0	<5.0
17...	<1.0	<1.0	1320	1290	<5.0	<5.0
01552070 Rose Valley Lake near Bodines, PA (LAT 41 23 12N LONG 076 59 54W)						
AUG 2005						
15...	<1.0	<1.0	6	60	<5.0	<5.0
15...	<1.0	<1.0	2020	2050	6.0	6.1
01553650 Lake Chillisquaque near White Hall, PA (LAT 41 06 08N LONG 076 39 41W)						
AUG 2005						
15...	<1.0	<1.0	4	40	<5.0	<5.0
15...	<1.0	1.3	4620	4660	<5.0	<5.0
01555124 Faylor Lake at Beaver Springs, PA (LAT 40 45 47N LONG 077 12 51W)						
AUG 2005						
16...	<1.0	<1.0	2	80	<5.0	<5.0
16...	<1.0	<1.0	1070	1430	<5.0	<5.0
01555142 Walker Lake at Troxelville, PA (LAT 40 47 48N LONG 077 11 47W)						
AUG 2005						
16...	<1.0	<1.0	<2	30	<5.0	<5.0
16...	<1.0	<1.0	1140	1200	<5.0	<5.0
01564950 Laurel Creek Reservoir near Milroy, PA (LAT 40 43 48N LONG 077 37 45W)						
AUG 2005						
18...	<1.0	<1.0	<2	10	<5.0	<5.0
18...	<1.0	<1.0	310	360	<5.0	5.4
01569200 Letterkenny Reservoir near Roxbury, PA (LAT 40 06 52N LONG 077 41 18W)						
JUL 2005						
07...	<1.0	<1.0	2	20	<5.0	<5.0
07...	<1.0	<1.0	1180	1220	<5.0	<5.0
01569765 Opossum Lake near Plainfield, PA (LAT 40 13 32N LONG 077 16 32W)						
JUL 2005						
13...	<1.0	3.1	2	20	<5.0	<5.0
13...	<1.0	<1.0	5360	5830	<5.0	<5.0
01603700 Lake Koon near Cooks Mills, PA (LAT 39 45 52N LONG 078 39 54W)						
JUL 2005						
20...	<1.0	<1.0	<2	6	7.3	6.4
20...	<1.0	<1.0	120	10	5.4	<5.0
01603800 Lake Gordon near Cooks Mills, PA (LAT 39 44 52N LONG 078 40 34W)						
JUL 2005						
21...	<1.0	<1.0	2	40	<5.0	6.4
21...	<1.0	<1.0	80	120	<5.0	13

**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	01502771	01531000	01531490	01532950	01534090	01537700	01538600
Date	10/27/04	08/03/04	08/03/04	08/25/04	10/13/04	10/13/04	08/26/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Platyhelminthes							
Turbellaria (FLATWORMS)							
Tricladida							
Planariidae	--	--	--	--	1	--	--
Nematoda (NEMATODES)	--	--	--	--	--	--	--
Mollusca							
Gastropoda (SNAILS)							
Basommatophora							
Ancyliidae							
<i>Ferrissia</i>	2	4	--	--	--	--	--
Physidae							
<i>Physa</i>	--	--	--	--	--	--	--
Planorbidae							
<i>Gyraulus</i>	--	--	--	--	--	--	--
Bivalvia (CLAMS)							
Veneroida							
Corbiculidae							
<i>Corbicula fluminea</i>	--	--	--	--	--	--	--
Sphaeriidae							
<i>Sphaerium</i>	--	10	--	--	22	--	--
Annelida							
Oligochaeta (AQUATIC EARTHWORMS)							
Lumbricina	--	--	--	--	1	--	--
Lumbriculida							
Lumbriculidae	4	--	--	8	7	--	2
Tubificida							
Enchytraeidae	--	--	--	--	--	--	--
Naididae	--	--	--	--	--	--	--
Tubificidae	--	3	2	1	1	--	--
Arthropoda							
Acariformes							
Hydrachnidia (WATER MITES)	--	--	--	2	--	--	--
Crustacea							
Amphipoda (SCUDS)							
Crangonyctidae							
<i>Crangonyx</i>	--	--	--	--	--	--	--
Gammaridae							
<i>Gammarus</i>	2	--	--	--	--	--	--
Isopoda (AQUATIC SOWBUGS)							
Asellidae							
<i>Caecidotea</i>	--	--	--	--	--	--	3

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

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

015400021	01542790	01547400	01547980	01548075	01548085	01549590	Station number
10/25/04	10/20/04	08/26/04	08/26/04	09/15/04	10/28/04	10/26/04	Date
Count	Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
							Platyhelminthes
							Turbellaria (FLATWORMS)
							Tricladida
		6	--	5	3	--	Planariidae
2	--	--	--	1	--	--	Nematoda (NEMATODES)
							Mollusca
							Gastropoda (SNAILS)
							Basommatophora
							Ancylidae
1	--	--	--	--	1	--	<i>Ferrissia</i>
							Physidae
--	--	--	--	2	--	--	<i>Physa</i>
							Planorbidae
--	--	--	--	1	--	--	<i>Gyraulus</i>
							Bivalvia (CLAMS)
							Veneroida
							Corbiculidae
--	--	--	--	--	4	--	<i>Corbicula fluminea</i>
							Sphaeriidae
--	--	--	--	--	--	4	<i>Sphaerium</i>
							Annelida
							Oligochaeta (AQUATIC EARTHWORMS)
--	--	1	--	--	--	--	Lumbricina
							Lumbriculida
11	4	--	--	--	--	--	Lumbriculidae
							Tubificida
--	--	--	32	--	--	--	Enchytraeidae
--	--	--	--	1	6	--	Naididae
1	--	--	--	5	1	--	Tubificidae
							Arthropoda
							Acariformes
1	1	--	--	4	--	2	Hydrachnidia (WATER MITES)
							Crustacea
1	--	--	--	--	--	--	Amphipoda (SCUDS)
							Crangonyctidae
--	--	--	--	--	3	--	<i>Crangonyx</i>
							Gammaridae
1	--	--	--	45	--	--	<i>Gammarus</i>
							Isopoda (AQUATIC SOWBUGS)
							Asellidae
--	--	4	1	2	11	--	<i>Caecidotea</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	01502771	01531000	01531490	01532950	01534090	01537700	01538600
Date	10/27/04	08/03/04	08/03/04	08/25/04	10/13/04	10/13/04	08/26/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Insecta							
Ephemeroptera (MAYFLIES)							
Baetidae	--	--	--	--	--	--	--
<i>Acentrella</i>	--	--	--	7	--	--	--
<i>Acerpenna</i>	--	--	--	--	--	--	--
<i>Baetis</i>	--	--	2	1	1	--	--
<i>Plauditus</i>	--	1	--	3	--	--	--
Caenidae							
<i>Caenis</i>	--	--	9	2	--	--	--
Ephemerellidae							
<i>Ephemerella</i>	30	--	1	--	--	--	--
<i>Eurylophella</i>	--	--	--	--	--	--	--
<i>Serratella</i>	26	4	3	8	1	4	--
Heptageniidae	13	6	8	--	--	4	--
<i>Epeorus</i>	1	--	--	--	--	--	--
<i>Leucrocuta</i>	18	1	--	10	--	--	--
<i>Rhithrogena</i>	--	--	--	--	1	--	--
<i>Stenacron</i>	--	--	--	--	2	--	--
<i>Stenonema</i>	20	18	5	13	5	10	--
Isonychiidae							
<i>Isonychia</i>	5	21	--	10	8	12	--
Leptophlebiidae	--	--	--	--	--	--	--
<i>Paraleptophlebia</i>	--	--	--	1	--	--	--
Polymitarcyidae							
<i>Ephoron</i>	--	2	--	--	--	--	--
Potamanthidae							
<i>Anthopotamus</i>	3	--	--	--	6	29	--
Odonata (DRAGONFLIES AND DAMSELFLIES)							
Coenagrionidae							
<i>Argia</i>	--	--	--	--	--	--	--
Gomphidae	--	--	--	--	--	--	--
<i>Dromogomphus</i>	--	--	--	--	--	1	--
<i>Lanthus</i>	--	--	--	--	--	--	--

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

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

015400021	01542790	01547400	01547980	01548075	01548085	01549590	Station number
10/25/04	10/20/04	08/26/04	08/26/04	09/15/04	10/28/04	10/26/04	Date
Count	Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
							Insecta
							Ephemeroptera (MAYFLIES)
--	--	--	--	1	--	--	Baetidae
--	--	1	1	--	--	--	<i>Acentrella</i>
1	--	--	--	--	--	--	<i>Acerpenna</i>
--	--	45	--	6	--	--	<i>Baetis</i>
--	--	--	--	--	--	--	<i>Plauditus</i>
							Caenidae
--	--	--	--	--	--	--	<i>Caenis</i>
							Ephemerellidae
9	--	--	--	--	--	1	<i>Ephemerella</i>
--	1	--	--	--	1	1	<i>Eurylophella</i>
1	--	1	--	--	--	--	<i>Serratella</i>
2	--	3	--	--	1	--	Heptageniidae
3	--	--	--	--	--	--	<i>Epeorus</i>
5	--	2	--	--	--	--	<i>Leucrocuta</i>
--	--	--	--	--	--	--	<i>Rhithrogena</i>
1	--	2	--	--	6	6	<i>Stenacron</i>
2	--	12	--	2	12	28	<i>Stenonema</i>
							Isonychiidae
1	--	--	--	--	--	40	<i>Isonychia</i>
5	2	--	--	1	1	--	Leptophlebiidae
--	--	1	--	--	--	--	<i>Paraleptophlebia</i>
							Polymitarcyidae
--	--	--	--	--	--	--	<i>Ephoron</i>
							Potamanthidae
--	--	--	--	--	--	--	<i>Anthopotamus</i>
							Odonata (DRAGONFLIES AND DAMSELFLIES)
							Coenagrionidae
--	--	--	--	--	--	2	<i>Argia</i>
--	1	--	--	--	--	--	Gomphidae
--	--	--	--	--	--	--	<i>Dromogomphus</i>
--	--	--	--	--	--	1	<i>Lanthus</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	01502771	01531000	01531490	01532950	01534090	01537700	01538600
Date	10/27/04	08/03/04	08/03/04	08/25/04	10/13/04	10/13/04	08/26/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Plecoptera (STONEFLIES)	--	--	--	--	--	--	--
Capniidae	--	--	--	--	--	--	--
<i>Allocapnia</i>	--	--	--	--	--	--	--
Chloroperlidae							
<i>Alloperla</i>	--	--	--	--	--	--	--
<i>Sweltsa</i>	1	--	--	--	--	--	--
Leuctridae							
<i>Leuctra</i>	--	--	--	--	--	--	--
Perlidae							
<i>Acroneuria</i>	--	--	1	--	--	--	--
<i>Agnatina</i>	2	2	--	2	7	1	--
<i>Paragnetina</i>	1	--	--	--	--	--	--
Perlodidae							
<i>Isoperla</i>	--	--	--	--	--	--	--
Pteronarcyidae							
<i>Pteronarcys</i>	--	--	--	--	--	--	--
Taeniopterygidae							
<i>Taenionema</i>	3	--	--	--	--	--	--
<i>Taeniopteryx</i>	12	--	--	--	--	1	--
Megaloptera							
Corydalidae (FISHFLIES AND DOBSONFLIES)							
<i>Nigronia</i>	--	--	--	--	--	--	10
Sialidae (ALDERFLIES)							
<i>Sialis</i>	--	--	--	--	--	--	--
Trichoptera (CADDISFLIES)							
Apataniidae							
<i>Apatania</i>	--	--	--	--	--	--	--
Brachycentridae							
<i>Brachycentrus</i>	--	--	--	--	--	--	--
Glossosomatidae		1	--	--	--	--	--
<i>Glossosoma</i>	--	--	--	--	--	--	--
Hydropsychidae							
<i>Cheumatopsyche</i>	2	24	3	9	7	38	--
<i>Diplectrona</i>	--	--	--	--	--	--	--
<i>Hydropsyche</i>	12	8	5	10	2	1	33
<i>Potamyia</i>	1	--	--	--	--	--	--
Hydroptilidae							
<i>Leucotrichia</i>	--	--	--	--	--	--	--
Lepidostomatidae					1	--	--
<i>Lepidostoma</i>	--	--	--	--	1	--	--
Limnephilidae	--	--	--	--	--	--	--
Philopotamidae							
<i>Chimarra</i>	4	4	3	9	2	3	--
Psychomyiidae							
<i>Psychomyia</i>	9	--	--	--	--	--	--
Rhyacophilidae							
<i>Rhyacophila</i>	--	--	--	--	--	--	--
Uenoidae							
<i>Neophylax</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

015400021	01542790	01547400	01547980	01548075	01548085	01549590	Station number
10/25/04	10/20/04	08/26/04	08/26/04	09/15/04	10/28/04	10/26/04	Date
Count	Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
2	--	--	--	--	--	--	Plecoptera (STONEFLIES)
--	3	--	--	--	--	--	Capniidae
--	--	--	--	--	--	2	<i>Allocapnia</i>
--	--	--	--	--	--	--	Chloroperlidae
1	--	--	--	--	--	--	<i>Alloperla</i>
--	--	--	--	--	--	--	<i>Sweltsa</i>
--	--	--	1	--	--	--	Leuctridae
--	--	--	--	--	--	--	<i>Leuctra</i>
1	--	--	--	--	--	3	Perlidae
--	--	--	--	--	--	--	<i>Acroneuria</i>
--	--	--	--	--	--	--	<i>Agnetina</i>
--	--	--	--	--	--	--	<i>Paragnetina</i>
2	1	--	--	--	--	1	Perlodidae
--	1	--	--	--	--	--	<i>Isoperla</i>
--	1	--	--	--	--	--	Pteronarcyidae
1	1	--	--	--	1	--	<i>Pteronarcys</i>
4	--	--	--	--	3	16	Taeniopterygidae
--	--	--	--	--	--	--	<i>Taenionema</i>
--	--	--	--	--	--	--	<i>Taeniopteryx</i>
--	--	--	3	--	--	--	Megaloptera
--	--	--	4	--	--	--	Corydalidae (FISHFLIES AND DOBSONFLIES)
--	--	--	--	--	--	--	<i>Nigronia</i>
--	--	--	--	--	--	--	Sialidae (ALDERFLIES)
--	--	--	--	--	--	--	<i>Sialis</i>
6	--	--	--	--	--	1	Trichoptera (CADDISFLIES)
--	--	--	--	6	1	--	Apataniidae
--	--	--	--	--	--	--	<i>Apatania</i>
--	--	--	--	--	--	--	Brachycentridae
--	--	--	--	1	--	--	<i>Brachycentrus</i>
--	--	--	--	--	--	--	Glossosomatidae
--	--	--	--	--	1	--	<i>Glossosoma</i>
9	--	1	--	2	56	--	Hydropsychidae
--	4	--	--	--	--	--	<i>Cheumatopsyche</i>
5	18	7	1	--	3	13	<i>Diplectrona</i>
--	--	--	--	--	--	--	<i>Hydropsyche</i>
--	--	--	--	--	--	--	<i>Potamyia</i>
--	--	--	--	--	--	1	Hydroptilidae
2	--	--	--	--	--	--	<i>Leucotrichia</i>
--	1	--	--	--	--	--	Lepidostomatidae
3	--	--	--	--	--	--	<i>Lepidostoma</i>
--	--	--	--	--	--	--	Limnephilidae
3	--	--	--	--	--	--	Philopotamidae
--	--	--	--	--	--	1	<i>Chimarra</i>
2	--	--	--	--	--	--	Psychomyiidae
--	--	--	--	--	--	--	<i>Psychomyia</i>
2	--	--	--	--	--	--	Rhyacophilidae
--	--	--	--	--	--	--	<i>Rhyacophila</i>
--	--	--	--	--	--	2	Uenoidae
--	--	--	--	--	--	--	<i>Neophylax</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	01502771	01531000	01531490	01532950	01534090	01537700	01538600
Date	10/27/04	08/03/04	08/03/04	08/25/04	10/13/04	10/13/04	08/26/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count	Count
Coleoptera (BEETLES)							
Elmidae (RIFFLE BEETLES)							
<i>Dubiraphia</i>	4	--	--	--	--	--	--
<i>Macronychus</i>	--	--	--	--	--	--	--
<i>Optioservus</i>	6	4	1	12	4	--	1
<i>Oulimnius</i>	--	--	--	--	--	--	--
<i>Stenelmis</i>	6	18	53	7	33	33	--
Psephenidae (WATER PENNIES)							
<i>Psephenus</i>	4	10	13	1	--	--	--
Diptera (TRUE FLIES)							
Athericidae							
<i>Atherix</i>	--	--	2	1	--	--	--
Ceratopogonidae (BITING MIDGES)							
Chironomidae (MIDGES)	29	19	1	11	4	--	44
Empididae (DANCE FLIES)							
<i>Chelifera</i>	--	--	--	--	--	--	--
<i>Hemerodromia</i>	--	1	1	--	--	--	23
Simuliidae (BLACK FLIES)							
<i>Simulium</i>	--	--	--	--	--	--	--
Tabanidae							
<i>Chrysops</i>	--	--	--	--	--	--	--
Tipulidae (CRANE FLIES)							
<i>Antocha</i>	--	--	--	--	--	--	--
<i>Dicranota</i>	--	--	--	--	--	--	5
<i>Hexatoma</i>	--	--	1	--	--	--	1
<i>Molophilus</i>	--	--	--	--	--	--	2
Total Organisms	220	161	115	128	116	137	124
Total Taxa	26	20	19	21	20	12	10

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

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

015400021	01542790	01547400	01547980	01548075	01548085	01549590	Station number
10/25/04	10/20/04	08/26/04	08/26/04	09/15/04	10/28/04	10/26/04	Date
Count	Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
							Coleoptera (BEETLES)
							Elmidae (RIFPLE BEETLES)
--	--	--	--	--	--	--	<i>Dubiraphia</i>
--	--	--	--	--	1	--	<i>Macronychus</i>
33	2	2	1	34	--	1	<i>Optioservus</i>
--	3	--	--	3	--	--	<i>Oulimnius</i>
1	--	1	--	--	--	--	<i>Stenelmis</i>
							Psephenidae (WATER PENNIES)
11	--	1	--	--	--	3	<i>Psephenus</i>
							Diptera (TRUE FLIES)
							Athericidae
--	--	--	--	--	--	--	<i>Atherix</i>
	5	--	--	--	--	--	Ceratopogonidae (BITING MIDGES)
4	51	40	38	19	44	6	Chironomidae (MIDGES)
							Empididae (DANCE FLIES)
--	--	--	--	2	--	--	<i>Chelifera</i>
--	--	--	47	--	2	--	<i>Hemerodromia</i>
							Simuliidae (BLACK FLIES)
--	1	1	--	--	--	--	<i>Simulium</i>
							Tabanidae
--	--	--	1	--	--	--	<i>Chrysops</i>
							Tipulidae (CRANE FLIES)
1	--	5	1	--	4	2	<i>Antocha</i>
1	1	--	--	--	--	--	<i>Dicranota</i>
--	--	--	--	--	--	--	<i>Hexatoma</i>
--	--	--	--	--	--	--	<i>Molophilus</i>
137	101	136	131	143	166	137	Total Organisms
35	18	19	12	20	22	22	Total Taxa

**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	01553005	01553990	01555210	01555859	01556009	01570400
Date	08/04/04	10/25/04	10/18/04	09/14/04	09/14/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Platyhelminthes						
Turbellaria (FLATWORMS)						
Tricladida						
Planariidae	--	--	1	--	5	8
Nematoda (NEMATODES)	--	--	1	--	3	--
Nemertea (PROBOSCIS WORMS)						
Enopla						
Hoploneurata						
Tetrastemmatidae						
Prostoma	--	--	--	--	--	--
Mollusca						
Gastropoda (SNAILS)						
Basommatophora						
Ancyliidae						
Ferrissia	--	--	--	--	1	1
Hydrobiidae						
Amnicola	--	--	--	--	--	--
Physidae						
Physa	1	--	--	--	--	--
Planorbidae						
Gyraulus	--	--	--	--	--	2
Pleuroceridae						
Elimia	--	--	--	--	--	--
Leptoxis carinata	--	--	1	--	--	28
Bivalvia (CLAMS)						
Veneroida						
Corbiculidae						
Corbicula fluminea	--	6	1	--	1	7
Sphaeriidae						
Pisidium	--	--	--	--	--	3
Sphaerium	--	--	--	--	1	--
Annelida						
Oligochaeta (AQUATIC EARTHWORMS)						
Lumbriculida						
Lumbriculidae	--	--	1	--	1	--
Tubificida						
Enchytraeidae	--	--	--	--	--	--
Naididae	1	1	--	--	--	--
Tubificidae	--	5	3	--	--	--
Arthropoda						
Acariformes						
Hydrachnidia (WATER MITES)	--	--	--	1	1	--
Crustacea						
Amphipoda (SCUDS)						
Crangonyctidae	--	--	--	1	--	--
Crangonyx	--	--	--	--	--	--
Stygonectes	1	--	--	--	--	--
Gammaridae						
Gammarus	--	--	--	--	--	37

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

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

01571505	01573610	01575900	01576003	01613500	01614500	Station number
10/18/04	10/14/04	10/14/04	10/19/04	08/11/04	08/11/04	Date
Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
						Platyhelminthes
						Turbellaria (FLATWORMS)
						Tricladida
5	3	1	4	1	5	Planariidae
--	--	3	3	2	2	Nematoda (NEMATODES)
						Nemertea (PROBOSCIS WORMS)
						Enopla
						Hoplonemertea
						Tetrastemmatidae
--	--	--	--	1	--	Prostoma
						Mollusca
						Gastropoda (SNAILS)
						Basommatophora
						Ancyliidae
--	--	1	--	2	6	Ferrissia
						Hydrobiidae
--	--	--	3	--	--	Amnicola
						Physidae
--	--	--	--	--	--	Physa
						Planorbidae
--	--	--	--	--	--	Gyraulus
						Pleuroceridae
--	--	--	1	--	--	Elimia
--	1	--	2	1	11	Leptoxis carinata
						Bivalvia (CLAMS)
						Veneroida
						Corbiculidae
--	--	2	--	3	2	Corbicula fluminea
						Sphaeriidae
--	--	--	--	--	--	Pisidium
--	--	--	--	--	--	Sphaerium
						Annelida
						Oligochaeta (AQUATIC EARTHWORMS)
						Lumbriculida
20	--	--	1	--	--	Lumbriculidae
						Tubificida
--	--	1	--	--	--	Enchytraeidae
--	2	2	3	--	--	Naididae
1	4	5	4	--	--	Tubificidae
						Arthropoda
						Acariformes
2	3	5	--	1	1	Hydrachnidia (WATER MITES)
						Crustacea
--	--	--	--	--	--	Amphipoda (SCUDS)
						Crangonyctidae
--	--	1	--	--	--	Crangonyx
--	--	--	--	--	--	Stygonectes
						Gammaridae
6	2	3	8	--	--	Gammarus

**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	01553005	01553990	01555210	01555859	01556009	01570400
Date	08/04/04	10/25/04	10/18/04	09/14/04	09/14/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Isopoda (AQUATIC SOWBUGS)						
Asellidae						
<i>Caecidotea</i>	--	--	--	--	2	1
Decapoda						
Cambaridae (CRAYFISH)						
<i>Orconectes</i>	--	--	--	--	--	--
Insecta						
Ephemeroptera (MAYFLIES)						
Baetidae						
<i>Acentrella</i>	2	--	--	1	--	--
<i>Baetis</i>	4	--	--	--	18	--
<i>Plauditus</i>	--	--	--	--	--	--
Caenidae						
<i>Caenis</i>	--	--	1	--	--	3
Ephemerellidae						
<i>Ephemerella</i>	--	--	--	--	--	--
<i>Serratella</i>	9	--	1	--	5	--
Ephemeridae						
<i>Ephemera</i>	--	--	1	--	--	--
Heptageniidae						
<i>Leucrocuta</i>	5	9	11	--	--	--
<i>Stenacron</i>	--	1	--	--	--	1
<i>Stenonema</i>	20	17	40	2	33	4
Isonychiidae						
<i>Isonychia</i>	12	6	7	--	1	--
Leptophlebiidae						
<i>Paraleptophlebia</i>	1	--	4	--	--	--
Potamanthidae						
<i>Anthopotamus</i>	--	30	--	--	--	1
Tricorythidae						
<i>Tricorythodes</i>	--	--	--	--	--	--
Odonata (DRAGONFLIES AND DAMSELFLIES)						
Coenagrionidae						
<i>Argia</i>	--	--	--	--	--	1
Gomphidae						
<i>Lanthus</i>	--	3	--	--	--	--
Plecoptera (STONEFLIES)						
Capniidae						
<i>Capnia</i>	--	--	--	--	--	--
Chloroperlidae						
<i>Alloperla</i>	4	--	--	--	--	--
<i>Sweltsa</i>	2	--	--	--	--	--
Leuctridae						
<i>Leuctra</i>	--	--	--	--	--	--
Perlidae						
<i>Acroneuria</i>	--	--	--	1	--	--
<i>Agnetina</i>	--	6	--	--	--	--
<i>Attaneuria</i>	--	--	--	--	--	--
Taeniopterygidae						
<i>Taeniopteryx</i>	--	2	18	--	--	--

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

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

01571505	01573610	01575900	01576003	01613500	01614500	Station number
10/18/04	10/14/04	10/14/04	10/19/04	08/11/04	08/11/04	Date
Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
						Isopoda (AQUATIC SOWBUGS)
						Asellidae
--	--	2	--	--	--	Caecidotea
						Decapoda
						Cambaridae (CRAYFISH)
--	--	--	1	--	--	Orconectes
						Insecta
						Ephemeroptera (MAYFLIES)
						Baetidae
--	--	--	1	2	--	Acentrella
1	1	2	1	10	37	Baetis
--	--	--	--	--	1	Plauditus
						Caenidae
--	1	--	--	6	4	Caenis
--	--	--	--	3	--	Ephemerellidae
4	29	--	--	--	--	Ephemerella
--	--	--	--	2	17	Serratella
						Ephemeridae
--	--	--	--	--	--	Ephemera
						Heptageniidae
1	3	--	6	1	2	Leucrocota
--	--	4	--	--	--	Stenacron
8	12	26	40	16	14	Stenonema
						Isonychiidae
--	2	--	--	5	3	Isonychia
						Leptophlebiidae
--	--	--	--	--	--	Paraleptophlebia
						Potamanthidae
--	28	--	3	--	2	Anthopotamus
						Tricorythidae
--	1	1	--	--	--	Tricorythodes
						Odonata (DRAGONFLIES AND DAMSELFLIES)
						Coenagrionidae
--	--	--	--	--	--	Argia
						Gomphidae
--	--	--	--	--	--	Lanthus
						Plecoptera (STONEFLIES)
--	2	--	--	--	--	Capniidae
						Chloroperlidae
--	--	--	--	--	--	Alloperla
--	--	--	1	--	--	Sweltsa
						Leuctridae
1	--	--	--	--	--	Leuctra
						Perlidae
--	--	--	--	1	--	Acroneuria
--	--	--	--	--	--	Agnatina
1	--	--	--	--	--	Attaneuria
						Taeniopterygidae
12	28	4	2	--	--	Taeniopteryx

**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	01553005	01553990	01555210	01555859	01556009	01570400
Date	08/04/04	10/25/04	10/18/04	09/14/04	09/14/04	10/13/04
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Megaloptera						
Corydalidae (FISHFLIES AND DOBSONFLIES)						
<i>Corydalus</i>	--	--	--	--	--	--
<i>Nigronia</i>	1	--	--	--	--	--
Trichoptera (CADDISFLIES)						
Glossosomatidae						
<i>Protophila</i>	--	--	--	--	--	--
Hydropsychidae						
<i>Cheumatopsyche</i>	1	17	3	5	1	--
<i>Hydropsyche</i>	9	2	--	112	10	--
<i>Macrostemum</i>	--	1	--	--	--	--
Hydroptilidae						
<i>Leucotrichia</i>	--	--	1	--	9	--
Lepidostomatidae						
<i>Lepidostoma</i>	1	--	--	--	--	--
Leptoceridae						
<i>Ceraclea</i>	--	--	--	--	--	1
Philopotamidae						
<i>Chimarra</i>	--	2	--	--	--	--
Psychomyiidae						
<i>Psychomyia</i>	--	--	1	--	--	--
Coleoptera (BEETLES)						
Elmidae (RIFFLE BEETLES)						
<i>Dubiraphia</i>	--	--	--	--	--	4
<i>Optioservus</i>	13	1	12	--	1	9
<i>Stenelmis</i>	2	6	11	3	25	28
Psephenidae (WATER PENNIES)						
<i>Psephenus</i>	2	2	7	1	7	--
Diptera (TRUE FLIES)						
Athericidae						
<i>Atherix</i>	3	--	--	--	--	--
Chironomidae (MIDGES)						
	19	10	8	3	12	3
Empididae (DANCE FLIES)						
<i>Chelifera</i>	3	--	--	--	--	--
<i>Hemerodromia</i>	--	--	--	--	--	--
Simuliidae (BLACK FLIES)						
<i>Simulium</i>	--	--	--	--	--	--
Tipulidae (CRANE FLIES)						
<i>Antocha</i>	3	--	--	--	--	--
<i>Hexatoma</i>	1	--	--	--	--	--
Total Organisms	120	127	134	130	137	143
Total Taxa	24	19	21	10	19	19

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

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

01571505	01573610	01575900	01576003	01613500	01614500	Station number
10/18/04	10/14/04	10/14/04	10/19/04	08/11/04	08/11/04	Date
Count	Count	Count	Count	Count	Count	Benthic macroinvertebrate
						Megaloptera
						Corydalidae (FISHFLIES AND DOBSONFLIES)
--	--	--	--	2	--	<i>Corydalus</i>
--	--	--	--	--	--	<i>Nigronia</i>
						Trichoptera (CADDISFLIES)
						Glossosomatidae
--	1	--	--	4	--	<i>Protoptila</i>
--	--	--	--	1	7	Hydropsychidae
4	1	4	5	15	9	<i>Cheumatopsyche</i>
4	1	2	--	7	4	<i>Hydropsyche</i>
--	--	--	--	--	--	<i>Macrostemum</i>
						Hydroptilidae
1	--	--	--	2	--	<i>Leucotrichia</i>
						Lepidostomatidae
--	--	--	--	--	--	<i>Lepidostoma</i>
						Leptoceridae
--	--	--	--	--	--	<i>Ceraclea</i>
						Philopotamidae
1	--	--	--	1	--	<i>Chimarra</i>
						Psychomyiidae
1	--	--	--	--	--	<i>Psychomyia</i>
						Coleoptera (BEETLES)
						Elmidae (RIFFLE BEETLES)
--	1	--	1	--	--	<i>Dubiraphia</i>
13	7	7	1	28	12	<i>Optioservus</i>
2	7	23	18	29	21	<i>Stenelmis</i>
						Psephenidae (WATER PENNIES)
1	--	7	1	3	2	<i>Psephenus</i>
						Diptera (TRUE FLIES)
						Athericidae
--	--	--	--	--	--	<i>Atherix</i>
30	64	41	14	2	4	Chironomidae (MIDGES)
						Empididae (DANCE FLIES)
--	--	--	--	--	--	<i>Chelifera</i>
--	1	1	--	--	--	<i>Hemerodromia</i>
						Simuliidae (BLACK FLIES)
36	5	--	--	--	--	<i>Simulium</i>
						Tipulidae (CRANE FLIES)
--	--	--	--	2	--	<i>Antocha</i>
--	--	--	--	--	--	<i>Hexatoma</i>
155	210	148	124	153	166	Total Organisms
22	25	23	23	28	21	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 2004
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES**

Station number	01533610	01539350	01553430	01564515	01567795	01573750
Date	12/29/03	11/25/03	11/20/03	11/26/03	11/18/03	11/18/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Platyhelminthes						
Turbellaria (FLATWORMS)						
Tricladida						
Planariidae	--	--	--	--	5	--
Nematoda (NEMATODES)	--	--	1	--	--	--
Mollusca						
Gastropoda (SNAILS)						
Basommatophora						
Ancyliidae						
<i>Ferrissia</i>	--	--	--	--	--	1
Hydrobiidae						
<i>Fontigens nickliniana</i>	--	--	--	--	1	--
Physidae						
<i>Physa</i>	--	--	--	--	4	--
Bivalvia (CLAMS)						
Veneroidea						
Corbiculidae						
<i>Corbicula fluminea</i>	--	--	--	8	--	--
Sphaeriidae	--	2	--	--	--	--
<i>Pisidium</i>	--	--	--	--	2	2
<i>Sphaerium</i>	--	--	1	--	--	--
Annelida						
Oligochaeta (AQUATIC EARTHWORMS)						
Lumbricina	--	--	--	2	--	--
Lumbriculida						
Lumbriculidae	--	--	4	--	--	1
Tubificida						
Enchytraeidae	--	--	1	--	--	--
Naididae	--	1	5	--	--	--
Tubificidae	--	--	--	1	16	--
Arthropoda						
Acariformes						
Hydrachnidia (WATER MITES)	--	4	4	2	6	1
Crustacea						
Amphipoda (SCUDS)						
Gammaridae						
<i>Gammarus</i>	--	--	--	--	109	--
Isopoda (AQUATIC SOWBUGS)						
Asellidae						
<i>Lirceus</i>	--	--	--	--	77	--
Entognatha						
Collembola (SPRINGTAILS)						
Isotomidae						
<i>Isotomurus palustria</i>	--	--	1	--	--	--
Poduridae						
<i>Podura aquatica</i>	--	--	1	--	--	--

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES

Station number	01533610	01539350	01553430	01564515	01567795	01573750
Date	12/29/03	11/25/03	11/20/03	11/26/03	11/18/03	11/18/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Insecta						
Ephemeroptera (MAYFLIES)						
Baetidae	--	--	--	--	1	--
<i>Acerpenna</i>	--	1	--	2	--	--
<i>Baetis</i>	31	6	14	--	--	--
<i>Plauditus</i>	--	--	--	--	--	9
Caenidae						
<i>Caenis</i>	--	--	--	4	--	--
Ephemerellidae	--	--	--	--	--	3
<i>Drunella</i>	1	--	--	--	--	--
<i>Ephemerella</i>	31	29	27	21	--	--
<i>Eurylophella</i>	--	9	1	1	--	1
<i>Serratella</i>	4	19	1	2	--	3
Heptageniidae	7	5	--	--	--	--
<i>Epeorus</i>	68	9	15	--	--	9
<i>Leucrocuta</i>	--	6	--	3	--	--
<i>Rhithrogena</i>	4	--	--	--	--	--
<i>Stenacron</i>	--	1	--	--	--	--
<i>Stenonema</i>	--	3	9	8	--	5
Isonychiidae						
<i>Isonychia</i>	--	7	--	9	--	4
Leptophlebiidae						
<i>Paraleptophlebia</i>	10	16	11	3	--	7
Odonata						
Coenagrionidae						
<i>Argia</i>	--	--	--	1	--	--
Gomphidae						
<i>Lanthus</i>	--	3	2	--	--	3
Plecoptera (STONEFLIES)						
Capniidae	--	--	2	--	--	--
<i>Allocapnia</i>	--	3	--	58	--	--
<i>Paracapnia</i>	6	--	1	--	--	--
Chloroperlidae						
<i>Alloperla</i>	3	--	--	--	--	--
<i>Sweltsa</i>	--	--	2	--	--	--
Leuctridae						
<i>Leuctra</i>	1	--	2	--	--	5
Nemouridae	3	--	--	--	--	--
<i>Amphinemura</i>	2	--	5	--	--	--
Peltoperlidae						
<i>Tallaperla</i>	1	--	2	--	--	--
Perlidae	--	--	--	1	--	--
<i>Acroneuria</i>	1	1	4	--	--	4
Perlodidae	--	1	--	--	--	--
<i>Isoperla</i>	10	6	1	--	--	--
<i>Malirekus</i>	--	--	1	--	--	--
Pteronarcyidae						
<i>Pteronarcys</i>	--	--	2	--	--	--
Taeniopterygidae						
<i>Taenionema</i>	11	6	7	18	--	--
<i>Taeniopteryx</i>	--	1	--	69	--	3
Megaloptera						
Corydalidae						
<i>Nigronia</i>	--	--	--	--	--	2
Sialidae						
<i>Sialis</i>	--	--	1	--	--	--

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

BIOLOGICAL DATA, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004
BENTHIC MACROINVERTEBRATES AT REFERENCE SITES

Station number	01533610	01539350	01553430	01564515	01567795	01573750
Date	12/29/03	11/25/03	11/20/03	11/26/03	11/18/03	11/18/03
Benthic macroinvertebrate	Count	Count	Count	Count	Count	Count
Trichoptera (CADDISFLIES)						
Apataniidae						
<i>Apatania</i>	--	3	4	--	--	--
Glossosomatidae						
<i>Agapetus</i>	--	--	7	--	--	--
<i>Glossosoma</i>	--	1	--	--	13	4
Hydropsychidae						
<i>Cheumatopsyche</i>	--	6	--	1	--	10
<i>Diplectrona</i>	1	--	31	--	--	1
<i>Hydropsyche</i>	2	7	2	1	--	14
Lepidostomatidae						
<i>Lepidostoma</i>	1	5	9	1	1	--
Limnephilidae						
<i>Hydatophylax</i>	1	--	1	10	--	--
<i>Pycnopsyche</i>	--	1	--	--	--	--
Philopotamidae						
<i>Dolophilodes</i>	--	2	5	--	--	15
Polycentropodidae						
<i>Neureclipsis</i>	--	--	--	--	--	2
Psychomyiidae						
<i>Psychomyia</i>	--	1	--	--	--	--
Rhyacophilidae						
<i>Rhyacophila</i>	1	1	14	--	--	5
Uenoidae						
<i>Neophylax</i>	2	7	2	--	--	--
Coleoptera (BEETLES)						
Elmidae (RIFFLE BEETLES)						
<i>Dubiraphia</i>	--	--	--	1	--	--
<i>Optioservus</i>	2	1	--	3	26	--
<i>Oulimnius</i>	--	--	19	--	--	11
<i>Promoresia</i>	--	--	9	1	--	4
<i>Stenelmis</i>	--	--	--	3	1	--
Psephenidae (WATER PENNIES)						
<i>Psephenus</i>	--	1	--	--	--	1
Diptera (TRUE FLIES)						
Ceratopogonidae (BITING MIDGES)						
<i>Ceratopogonidae</i>	--	--	--	2	--	--
Chironomidae (MIDGES)						
<i>Chironomidae</i>	8	57	57	7	8	107
Empididae (DANCE FLIES)						
<i>Chelifera</i>	--	--	1	--	--	--
<i>Hemerodromia</i>	--	--	1	1	--	--
Simuliidae (BLACK FLIES)						
<i>Prosimulium</i>	19	10	9	1	--	16
<i>Simulium</i>	--	--	--	2	4	1
Tipulidae (CRANE FLIES)						
<i>Antocha</i>	--	3	1	--	1	2
<i>Dicranota</i>	--	2	--	--	--	--
<i>Hexatoma</i>	1	--	1	--	--	2
<i>Tipula</i>	--	--	--	1	--	--
Total Organisms	232	247	304	248	276	258
Total Taxa	27	38	46	32	17	32