

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 two basic objectives:

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

Major streams are defined as interstate waters and intrastate streams with drainage areas of roughly 200 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 collected from April 1, 2002 through September 30, 2002 were collected by the USGS and analyzed by the PaDEP laboratory in Harrisburg.

Most of the current WQN standard sites are co-located with USGS gage stations and others are equipped with a wire weight gage. Currently the network consists of 123 standard stream sites, and 27 reference stream sites distributed across the Commonwealth. This report contains only those sites in the Susquehanna or Potomac River basins. The location of these sites can be found in figures 5-7. Other data for the WQN can be found in the annual Water Data Reports PA-02-1 and PA-02-3.

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

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

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

TABLE 3.--Pennsylvania Water-Quality Network (WQN) station list.

Station number	WQN No.	Location	Latitude	Longitude	Drainage area (mi ²)
01503000	306	Susquehanna River at Conklin, NY	42° 02' 07"	75° 48' 12"	2,232
^a 01518700	324	Tioga River at Tioga Junction, PA	41° 57' 09"	77° 06' 56"	446
^a 01520000	320	Cowanesque River near Lawrenceville, PA	41° 59' 48"	77° 08' 25"	298
01531000	332	Chemung River at Chemung, NY	40° 00' 08"	76° 38' 06"	2,506
01531490	333	Sugar Creek near Towanda, PA	41° 47' 27"	76° 27' 45"	188
^a 01531500	305	Susquehanna River at Towanda, PA	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	41° 48' 30"	75° 34' 50"	9.0
^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	41° 11' 19"	75° 05' 13"	10,140
01538600	309	Nescopeck Creek at Nescopeck, PA	41° 02' 46"	76° 13' 28"	171
01539350	339	Little Fishing Creek above Wolfhouse Run near Millville, PA	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	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
^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
01548075	433	Fishing Creek near Cedar Springs, PA	41° 04' 31"	77° 28' 40"	137
01548085	445	Bald Eagle Creek at Castanea, PA	41° 07' 35"	77° 26' 00"	768
01549590	429	Little Pine Creek below Reservoir near Waterville	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
01553430	447	Spruce Run above Spruce Run Reservoir near Mazeppa, PA	41° 01' 27"	77° 03' 54"	6.7
^a 01553500	401	West Branch Susquehanna River at Lewisburg, PA	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	40° 51' 57"	77° 36' 35"	13.5
^a 01555000	229	Penns Creek at Penns Creek, PA	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

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

TABLE 3.--Pennsylvania Water-Quality Network (WQN) station list--continued.

Station number	WQN No.	Location	Latitude	Longitude	Drainage area (mi ²)
01556009	224	Frankstown Branch Juniata River at RR at Williamsburg, PA	40° 28' 19"	78° 11' 13"	296
^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	40° 12' 57"	78° 15' 56"	756
01564515	249	Aughwick Creek at Aughwick Mills, PA	40° 20' 05"	77° 51' 36"	356
^a 01567000	214	Juniata River at Newport, PA	40° 28' 42"	77° 07' 46"	3,354
01567795	270	Letort Spring Run at Bonny Brook near Carlisle, PA	40° 10' 39"	77° 11' 10"	7.26
01570400	240	Conodoguinet Creek at Mouth at Westview, PA	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	40° 11' 28"	76° 43' 52"	571
01573750	267	Conewago Creek near Arendtsville, PA	39° 56' 13"	77° 21' 58"	6.9
^a 01574000	210	West Conewago Creek near Manchester, PA	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	40° 01' 42"	76° 31' 05"	25,990
^a 01576754	231	Conestoga River at Conestoga, PA	39° 56' 47"	76° 22' 05"	470
01576787	204	Pequea Creek at Martic Forge, PA	39° 54' 21"	76° 19' 43"	148
01577180	265	Rambo Run at Meadetown near Stewartstown, PA	39° 49' 21"	76° 31' 59"	10.2
01613500	505	Licking Creek near Sylvan, PA	39° 43' 23"	78° 03' 38"	158
01614500	501	Conococheague Creek at Fairview, MD	39° 42' 59"	77° 49' 29"	494

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

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)	CALCIUM TOTAL RECOV- ERABLE AS CA (MG/L) (00916)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE AS MG (MG/L) (00927)
01503000 Susquehanna River at Conklin, NY (LAT 42 02 07N LONG 075 48 12W)													
APR 2002 22...	1345	9813	3160	30	11.2	7.8	171	13.2	72	--	24.3	--	2.6
JUN 18...	1230	9813	6720	30	9.9	7.6	121	16.1	54	--	17.3	--	2.3
AUG 05...	1215	9813	371	30	7.1	8.6	239	26.2	91	--	30.2	--	3.8
01531000 Chemung River at Chemung, NY <LAT 40 00 08N LONG 076 38 06W>													
APR 2002 25...	1100	9813	2180	30	10.6	7.9	313	10.7	98	--	29.3	--	6.1
JUN 05...	0900	9813	3330	30	9.2	7.9	321	18.2	101	--	29.2	--	6.8
AUG 07...	1130	9813	299	30	8.4	8.3	404	22.0	172	--	48.5	--	12.3
01531490 Sugar Creek near Towanda, PA <LAT 41 47 27N LONG 076 27 45W>													
APR 2002 25...	0845	9813	99	30	11.0	7.7	179	10.1	70	--	21.1	--	4.2
JUN 05...	1015	9813	56	30	10.1	8.1	210	18.6	85	--	26.1	--	4.7
AUG 07...	0845	9813	6.3	30	8.9	8.1	253	19.1	110	--	33.5	--	6.3
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)													
APR 2002 22...	0930	9813	148	30	12.4	7.5	106	9.2	36	--	9.8	--	2.8
JUN 18...	1030	9813	290	30	11.2	7.9	88	16.1	34	--	9.2	--	2.6
AUG 05...	1000	9813	12	30	8.4	7.6	149	23.6	52	--	14.5	--	3.9
01533610 Unnamed Tributary to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)													
APR 2002 23...	0730	9813	30	30	12.2	7.6	76	5.6	32	--	10.9	--	1.2
MAY 14...	1045	9813	94	30	11.7	7.3	56	9.1	19	--	6.2	--	.8
JUN 06...	0800	9813	81	30	9.9	7.3	70	15.1	27	--	8.9	--	1.1
JUL 15...	1100	9813	4.0	30	9.8	8.2	105	16.2	46	--	15.6	--	1.7
AUG 06...	0800	9813	2.3	30	9.7	8.2	118	16.6	51	--	17.4	--	1.9
SEP 04...	1115	9813	1.8	30	9.3	8.0	138	17.0	57	--	19.4	--	2.0
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)													
APR 2002 16...	1130	9813	29400	40	9.7	7.6	200	14.6	71	--	21.6	--	4.1
JUN 19...	1230	9813	31400	40	8.2	7.6	158	18.0	59	--	18.8	--	3.0

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01503000 Susquehanna River at Conklin, NY (LAT 42 02 07N LONG 075 48 12W)													
APR 2002 22...	--	54	--	--	10.0	116	<2	<.020	.41	<.040	.73	.01	.030
JUN 18...	--	40	--	--	7.5	112	18	<.020	.36	<.040	.69	.04	.050
AUG 05...	--	74	--	--	11.9	172	12	<.020	.27	<.040	.49	.02	.020
01531000 Chueung River at Chemung, NY <LAT 40 00 08N LONG 076 38 06W>													
APR 2002 25...	--	68	--	--	19.6	174	26	<.020	.56	<.040	.83	.02	.030
JUN 05...	--	72	--	--	16.7	192	74	<.020	.60	<.040	1.01	.02	.090
AUG 07...	--	122	--	--	25.9	310	4	<.020	.44	<.200	.86	.08	.110
01531490 Sugar Creek near Towanda, PA <LAT 41 47 27N LONG 076 27 45W>													
APR 2002 25...	--	56	--	--	15.1	114	14	<.020	.15	<.040	.46	.01	.010
JUN 05...	--	68	--	--	14.6	130	<2	<.020	.37	<.040	.61	.01	.030
AUG 07...	--	94	--	--	14.2	188	6	<.020	<.04	<.040	.28	.02	.020
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)													
APR 2002 22...	--	26	--	--	10.3	92	<2	<.020	.22	<.040	.41	<.01	.010
JUN 18...	--	28	--	--	8.7	78	<2	<.020	.25	<.040	.49	.02	.020
AUG 05...	--	40	--	--	10.9	112	<2	<.020	.14	<.040	.38	.02	.020
01533610 Unnamed Tributary to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)													
APR 2002 23...	--	20	5.5	<.2	8.3	90	<2	<.020	.31	<.040	.44	<.01	.012
MAY 14...	--	14	3.2	<.2	7.3	64	44	<.020	.27	<.040	.55	.02	.030
JUN 06...	--	19	3.9	<.2	6.7	60	26	<.020	.17	<.040	.50	.04	.043
JUL 15...	--	38	6.1	<.2	8.2	68	22	<.020	.38	<.040	.13	<.01	.011
AUG 06...	--	40	6.5	<.2	8.6	82	<2	.020	.45	<.040	.49	.02	.015
SEP 04...	--	46	6.6	<.2	9.5	188	<2	.120	.47	<.040	.66	.02	.028
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)													
APR 2002 16...	--	52	--	--	13.2	132	64	<.020	.54	<.040	.96	.04	.070
JUN 19...	--	46	--	--	9.3	76	44	<.020	.51	<.040	.92	.05	.080

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01503000 Susquehanna River at Conklin, NY (LAT 42 02 07N LONG 075 48 12W)													
APR 2002 22...	2.8	--	--	--	--	--	<10	--	363	--	<1.0	--	60
JUN 18...	3.7	--	--	--	--	--	<10	--	1090	--	<1.0	--	<10
AUG 05...	2.4	--	--	--	--	--	<10	--	179	--	<1.0	--	40
01531000 Chemung River at Chemung, NY <LAT 40 00 08N LONG 076 38 06W>													
APR 2002 25...	2.9	--	--	--	--	--	<10	--	326	--	<1.0	--	40
JUN 05...	4.8	--	--	--	--	--	<10	--	3420	--	2.2	--	110
AUG 07...	3.8	--	--	--	--	--	<10	--	216	--	<1.0	--	60
01531490 Sugar Creek near Towanda, PA <LAT 41 47 27N LONG 076 27 45W>													
APR 2002 25...	3.3	--	--	--	--	--	<10	--	160	--	<1.0	--	10
JUN 05...	3.6	--	--	--	--	--	<10	--	250	--	<1.0	--	30
AUG 07...	3.7	--	--	--	--	--	<10	--	60	--	<1.0	--	20
01532950 Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)													
APR 2002 22...	2.1	--	--	--	--	--	<10	--	130	--	<1.0	--	10
JUN 18...	2.9	--	--	--	--	--	<10	--	290	--	<1.0	--	<10
AUG 05...	2.5	--	--	--	--	--	<10	--	70	--	<1.0	--	40
01533610 Unnamed Tributary to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)													
APR 2002 23...	--	.5	80	--	--	<4	<4	<20	30	<1.0	<1.0	<2.0	<10
MAY 14...	--	1.2	660	--	--	<4	8.5	30	420	<1.0	1.0	5.2	40
JUN 06...	--	.8	1400	<4.0	<.20	<4	<4	50	640	1.0	1.1	3.3	70
JUL 15...	--	<.2	80	<4.0	<.20	<4	<4	<20	40	<1.0	<1.0	2.3	<10
AUG 06...	--	.7	60	<4.0	<.20	<4	<4	<20	30	<1.0	<1.0	2.7	<10
SEP 04...	--	1.4	180	<4.0	<.20	<4	<4	<20	50	<1.0	<1.0	6.8	10
01534090 Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)													
APR 2002 16...	3.2	--	--	--	--	--	<10	--	1530	--	--	--	81000
JUN 19...	4.5	--	--	--	--	--	<10	--	1500	--	--	--	70

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01503000	Susquehanna River at Conklin, NY (LAT 42 02 07N LONG 075 48 12W)				
APR 2002 22...	--	<50	--	<10	--
JUN 18...	--	<50	--	<10	--
AUG 05...	--	<50	--	<10	--
01531000	Chemung River at Chumung, NY <LAT 40 00 08N LONG 076 38 06W>				
APR 2002 25...	--	<50	--	<10	--
JUN 05...	--	<50	--	10	--
AUG 07...	--	<50	--	<10	--
01531490	Sugar Creek near Towanda, PA (LAT 41 47 27N LONG 076 27 45W)				
APR 2002 25...	--	<50	--	<10	--
JUN 05...	--	<50	--	<10	--
AUG 07...	--	<50	--	<10	--
01532950	Wyalusing Creek near Wyalusing, PA (LAT 41 41 49N LONG 076 13 52W)				
APR 2002 22...	--	<50	--	<10	--
JUN 18...	--	<50	--	<10	--
AUG 05...	--	<50	--	<10	--
01533610	Unnamed Tributary to Tunkhannock Creek at Gelatt, PA (LAT 41 48 30N LONG 075 34 50W)				
APR 2002 23...	<4.0	<4.0	<5.0	<5.0	<5
MAY 14...	<4.0	<4.0	<5.0	8.4	<5
JUN 06...	<4.0	5.9	<5.0	<5.0	<5
JUL 15...	<4.0	<4.0	<5.0	<5.0	<5
AUG 06...	<4.0	<4.0	<5.0	<5.0	<5
SEP 04...	<4.0	<4.0	6.6	<5.0	<5
01534090	Susquehanna River at Falls, PA (LAT 41 27 42N LONG 075 51 15W)				
APR 2002 16...	--	<50	--	<10	--
JUN 19...	--	<50	--	20	--

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)	CALCIUM TOTAL RECOV- ERABLE AS CA (MG/L) (00916)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE AS MG (MG/L) (00927)
01537700 Susquehanna River near Hunlock Creek, PA (LAT 41 11 19N LONG 076 05 13W)													
APR 2002 17...	0930	9813	33600	40	9.1	7.5	204	15.4	76	--	23.3	--	4.4
JUN 18...	1540	9813	38300	40	8.5	7.3	151	17.7	60	--	17.7	--	3.9
AUG 21...	1520	9813	1080	40	10.1	7.9	459	27.2	150	--	36.6	--	14.0
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)													
APR 2002 17...	1120	9813	301	40	10.6	5.0	281	15.4	95	--	14.4	--	14.3
JUN 18...	1410	9813	389	40	10.1	5.2	256	15.4	84	--	12.0	--	13.1
AUG 21...	1230	9813	52	40	106	4.6	529	31.0	200	--	26.4	--	32.8
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville, PA (LAT 41 09 58N LONG 076 30 14W)													
APR 2002 23...	1000	9813	22	30	11.8	6.4	52	6.4	18	4.67	4.8	1.49	1.5
MAY 15...	1315	9813	182	30	9.9	6.4	40	10.2	19	4.88	4.9	1.55	1.6
JUN 19...	1045	9813	37	30	9.8	6.8	57	13.6	21	5.49	5.7	1.69	1.7
JUL 11...	1300	9813	4.4	30	10.6	7.5	51	18.5	23	6.04	6.2	1.72	1.8
AUG 08...	1300	9813	1.2	30	8.8	7.8	76	19.5	28	7.53	7.8	1.93	2.0
SEP 18...	1200	9813	.79	30	9.3	7.5	78	16.4	30	7.84	8.3	2.10	2.2
015400021 Fishing Creek near Bloomsburg, PA <LAT 40 59 37N LONG 076 28 33W>													
APR 2002 23...	1240	9813	566	30	9.9	7.9	114	10.0	45	12.7	12.4	3.51	3.4
JUN 19...	1250	9813	877	30	9.7	7.6	128	16.9	48	13.6	13.5	3.49	3.3
AUG 19...	1315	9813	25	30	5.7	8.0	178	26.5	65	18.6	18.7	4.36	4.3
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)													
APR 2002 29...	1200	9813	1560	30	11.3	6.8	88	9.5	32	--	8.0	--	3.0
JUN 24...	1615	9813	252	30	8.5	6.0	132	25.9	52	--	12.7	--	4.9
AUG 14...	1230	9813	34	30	8.4	4.8	348	27.0	140	--	32.0	--	13.6

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01537700 Susquehanna River near Hunlock Creek, PA (LAT 41 11 19N LONG 076 05 13W)													
APR 2002 17...	--	48	--	--	15.9	174	42	.030	.52	<.040	.97	.05	.070
JUN 18...	--	42	--	--	12.9	172	64	.020	.48	<.040	1.0	.08	.110
AUG 21...	--	68	--	--	73.9	314	28	<.020	.05	<.040	.57	.03	.080
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)													
APR 2002 17...	--	2	--	--	85.6	246	14	.020	.83	<.040	1.1	.02	.040
JUN 18...	--	2	--	--	84.3	252	<2	.070	1.21	<.040	1.4	.01	.040
AUG 21...	--	1	--	--	217	480	28	<.020	1.53	<.040	1.6	<.01	.040
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville, PA (LAT 41 09 58N LONG 076 30 14W)													
APR 2002 23...	.0	11	3.5	<.2	7.0	60	12	<.020	.72	<.040	.88	<.01	<.010
MAY 15...	2.2	8	2.4	<.2	8.0	22	18	<.020	.98	<.040	1.1	.03	.020
JUN 19...	3.2	11	2.9	<.2	7.4	30	8	<.020	.95	<.040	1.1	.01	.010
JUL 11...	.0	17	4.5	<.2	4.7	56	<2	<.020	.63	<.040	.76	<.01	<.010
AUG 08...	.0	24	5.6	<.2	4.4	46	4	<.020	.16	<.040	.32	.01	<.010
SEP 18...	.0	26	5.1	<.2	4.8	52	<2	.040	<.04	<.040	.18	<.01	<.010
015400021 Fishing Creek near Bloomsburg, PA <LAT 40 59 37N LONG 076 28 33W>													
APR 2002 23...	.0	28	--	--	13.0	20	26	<.020	.96	<.040	1.1	<.01	<.010
JUN 19...	.0	30	--	--	12.3	80	8	.060	1.71	<.040	1.8	.03	.019
AUG 19...	.0	40	--	--	13.8	110	2	.030	.97	<.040	1.2	.01	.014
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)													
APR 2002 29...	--	5	--	--	27.9	82	<2	<.020	.09	<.040	.22	.02	.020
JUN 24...	--	3	--	--	52.1	154	<2	<.020	.09	<.040	<.06	.01	<.010
AUG 14...	--	2	--	--	137	272	<2	<.020	.16	<.040	.16	<.01	<.010

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01537700 Susquehanna River near Hunlock Creek, PA (LAT 41 11 19N LONG 076 05 13W)													
APR 2002 17...	3.6	--	--	--	--	--	<10	--	1900	--	1.4	--	110
JUN 18...	1.6	--	--	--	--	--	10	--	3090	--	2.4	--	140
AUG 21...	3.8	--	--	--	--	--	<10	--	780	--	<1.0	--	230
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)													
APR 200 17...	1.7	--	--	--	--	--	20	--	600	--	1.0	--	970
JUN 18...	1.8	--	--	--	--	--	10	--	630	--	1.1	--	970
AUG 21...	1.2	--	--	--	--	--	20	--	60	--	1.8	--	2600
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville, PA (LAT 41 09 58N LONG 076 30 14W)													
APR 2002 23...	--	1.1	<20	--	--	<4	<4	20	70	<1.0	<1.0	<10	<10
MAY 15...	--	.7	140	--	--	<4	<4	30	350	<1.0	<1.0	10	20
JUN 19...	--	.8	100	<4.0	<.20	<4	<4	40	110	<1.0	<1.0	<10	<10
JUL 11...	--	1.4	60	<4.0	<.20	<4	<4	60	120	<1.0	<1.0	<10	<10
AUG 08...	--	1.3	100	<4.0	<.20	<4	<4	110	160	<1.0	<1.0	<10	10
SEP 18...	--	.9	80	<4.0	<.20	<4	<4	70	170	<1.0	<1.0	<10	10
015400021 Fishing Creek near Bloomsburg, PA <LAT 40 59 37N LONG 076 28 33W>													
APR 2002 23...	--	1.2	--	--	--	<4	<4	30	100	<1.0	<1.0	<10	<10
JUN 19...	--	1.0	--	--	--	<4	<4	30	180	<1.0	<1.0	<10	10
AUG 19...	--	.2	--	--	--	<4	<4	<20	70	<1.0	<1.0	20	30
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)													
APR 2002 29...	1.8	--	--	--	--	--	<10	--	1190	--	<1.0	--	200
JUN 24...	.7	--	--	--	--	--	<10	--	60	--	<1.0	--	340
AUG 14...	.8	--	--	--	--	--	<10	--	<20	--	<1.0	--	1230

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01537700 Susquehanna River near Hunlock Creek, PA (LAT 41 11 19N LONG 076 05 13W)					
APR 2002					
17...	--	<50	--	<10	--
JUN					
18...	--	<50	--	20	--
AUG					
21...	--	<50	--	20	--
01538600 Nescopeck Creek at Nescopeck, PA (LAT 41 02 49N LONG 076 13 17W)					
APR 2002					
17...	--	<50	--	230	--
JUN					
18...	--	<50	--	180	--
AUG					
21...	--	100	--	370	--
01539350 Little Fishing Cr ab Wolfhouse Run nr Millville, PA (LAT 41 09 58N LONG 076 30 14W)					
APR 2002					
23...	<4.0	<4.0	<5.0	<5.0	<5
MAY					
15...	<4.0	<4.0	<5.0	<5.0	<5
JUN					
19...	<4.0	<4.0	5.4	<5.0	<5
JUL					
11...	<4.0	<4.0	<5.0	<5.0	<5
AUG					
08...	<4.0	<4.0	<5.0	<5.0	<5
SEP					
18...	<4.0	<4.0	<5.0	<5.0	<5
015400021 Fishing Creek near Bloomsburg, PA <LAT 40 59 37N LONG 076 28 33W>					
APR 2002					
23...	<4.0	<4.0	<5.0	8.8	--
JUN					
19...	<4.0	<4.0	<5.0	<5.0	--
AUG					
19...	<4.0	<4.0	<5.0	<5.0	--
01542790 Bennett Br Sinnemahoning Cr at Driftwood, PA (LAT 41 20 02N LONG 078 08 10W)					
APR 2002					
29...	--	<50	--	<10	--
JUN					
24...	--	<50	--	20	--
AUG					
14...	--	<50	--	60	--

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)	CALCIUM TOTAL RECOV- ERABLE AS CA (MG/L) (00916)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE AS MG (MG/L) (00927)
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)													
APR 2002 17...	1230	9813	536	30	10.9	8.3	275	15.6	120	--	31.0	--	10.1
JUN 26...	1215	9813	317	30	10.6	8.3	420	18.5	210	--	51.7	--	18.7
AUG 14...	1000	9813	153	30	10.0	8.2	448	17.7	210	--	51.6	--	19.8
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)													
APR 2002 17...	1315	9813	357	30	9.1	4.7	140	16.0	46	--	9.6	--	5.3
JUN 26...	1315	9813	191	30	7.7	4.8	194	19.9	72	--	13.7	--	9.1
AUG 14...	1215	9813	20	30	6.3	4.1	514	25.6	210	--	41.3	--	26.3
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)													
APR 2002 18...	0950	9813	279	30	11.2	7.8	185	12.2	82	--	22.6	--	6.2
JUN 27...	0900	9813	E97	30	9.3	7.7	273	14.4	150	--	40.4	--	11.9
AUG 15...	0745	9813	E13	30	8.6	7.6	346	15.1	180	--	46.8	--	14.9
01548085 Bald Eagle Creek at Castanea, PA (LAT 41 07 29N LONG 077 26 09W)													
APR 2002 18...	0845	9813	1120	30	9.2	7.0	181	16.1	76	--	19.8	--	6.4
JUN 27...	0800	9813	801	30	7.7	7.6	254	12.8	130	--	32.9	--	10.6
AUG 15...	0915	9813	296	30	7.2	7.8	402	21.8	190	--	46.2	--	17.5
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)													
APR 2002 10...	1230	9813	52	30	11.8	7.4	82	10.1	31	8.02	8.2	2.54	2.6
JUN 03...	0915	9813	106	30	10.1	7.5	98	16.2	37	9.20	9.2	3.24	3.3
AUG 12...	0930	9813	11	30	7.7	7.6	145	23.2	55	14.5	13.9	4.78	4.9
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)													
APR 2002 08...	0730	9813	195	30	12.1	8.1	83	5.9	32	9.88	9.8	1.80	1.8
JUN 04...	0800	9813	110	30	10.3	7.3	99	15.3	44	13.3	13.6	2.17	2.3
AUG 08...	0815	9813	18	30	8.1	7.3	126	18.9	58	17.4	18.0	3.17	3.2

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)													
APR 2002 17...	--	86	--	--	21.1	204	14	<.020	1.25	<.040	1.6	.02	.030
JUN 26...	--	154	--	--	25.2	264	<2	<.020	2.64	<.040	2.9	.02	.030
AUG 14...	--	164	--	--	24.5	286	20	<.020	2.93	<.040	3.1	.02	.030
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)													
APR 2002 17...	--	2	--	--	54.5	156	2	<.020	.14	<.040	.23	<.01	.010
JUN 26...	--	1	--	--	87.0	130	<2	<.020	.15	<.040	.16	.01	.010
AUG 14...	--	0	--	--	246	426	<2	<.020	.20	<.040	.27	<.01	<.010
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)													
APR 2002 18...	--	62	--	--	11.9	140	14	<.020	1.07	<.040	1.3	<.01	.030
JUN 27...	--	110	--	--	13.8	184	2	<.020	2.41	<.040	2.4	.02	.020
AUG 15...	--	142	--	--	17.7	204	8	.030	2.82	<.040	3.0	.02	.020
01548085 Bald Eagle Creek at Castanea, PA (LAT 41 07 29N LONG 077 26 09W)													
APR 2002 18...	--	38	--	--	29.9	48	26	<.020	.70	<.040	1.1	.01	.020
JUN 27...	--	76	--	--	34.6	166	6	<.020	1.33	<.040	1.4	.01	.010
AUG 15...	--	136	--	--	39.6	290	4	.040	1.71	<.040	1.9	.01	.020
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)													
APR 2002 10...	.0	14	--	--	18.0	70	10	<.020	.40	<.040	.58	<.01	<.010
JUN 03...	.0	15	--	--	22.2	66	4	<.020	.21	<.040	.33	.01	.011
AUG 12...	.0	24	--	--	32.5	102	12	.060	.05	<.040	.32	.02	.028
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)													
APR 2002 08...	.0	17	--	--	10.8	38	12	<.020	1.24	<.040	1.4	<.01	<.010
JUN 04...	.0	28	--	--	10.4	96	<2	<.020	1.03	<.040	1.1	.01	.010
AUG 08...	.0	36	--	--	11.9	98	4	<.020	1.90	<.040	1.9	.03	.019

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01547400 Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)													
APR 2002 17...	2.0	--	--	--	--	--	<10	--	290	--	1.4	--	10
JUN 26...	1.4	--	--	--	--	--	<10	--	470	--	<1.0	--	<10
AUG 14...	1.9	--	--	--	--	--	<10	--	100	--	<1.0	--	<10
01547980 Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)													
APR 2002 17...	.9	--	--	--	--	--	<10	--	250	--	<1.0	--	1070
JUN 26...	.6	--	--	--	--	--	<10	--	300	--	<1.0	--	1870
AUG 14...	.7	--	--	--	--	--	<10	--	110	--	--	--	6240
01548075 Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)													
APR 2002 18...	1.7	--	--	--	--	--	<10	--	200	--	<1.0	--	10
JUN 27...	1.0	--	--	--	--	--	<10	--	130	--	<1.0	--	<10
AUG 15...	1.1	--	--	--	--	--	<10	--	100	--	<1.0	--	<10
01548085 Bald Eagle Creek at Castanea, PA (LAT 41 07 29N LONG 077 26 09W)													
APR 2002 18...	1.6	--	--	--	--	--	<10	--	320	--	<1.0	--	430
JUN 27...	1.6	--	--	--	--	--	<10	--	180	--	<1.0	--	350
AUG 15...	1.9	--	--	--	--	--	<10	--	190	--	<1.0	--	240
01549590 Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)													
APR 2002 10...	--	1.7	--	--	--	<4	<4	<20	30	<1.0	<1.0	20	30
JUN 03...	--	1.2	--	--	--	<4	<4	60	170	<1.0	<1.0	20	50
AUG 12...	--	1.2	--	--	--	<4	4	100	500	<1.0	<1.0	180	280
01553005 Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)													
APR 2002 08...	--	.2	--	--	--	<4	<4	<20	30	<1.0	<1.0	<10	<10
JUN 04...	--	1.1	--	--	--	<4	<4	<20	30	<1.0	<1.0	<10	<10
AUG 08...	--	1.4	--	--	--	<4	<4	<20	30	<1.0	<1.0	<10	<10

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01547400	Bald Eagle Creek near Milesburg, PA (LAT 40 58 31N LONG 077 44 35W)				
APR 2002					
17...	--	<50	--	<10	--
JUN 26...	--	<50	--	<10	--
AUG 14...	--	<50	--	10	--
01547980	Beech Creek at Beech Creek, PA (LAT 41 04 29N LONG 077 35 30W)				
APR 2002					
17...	--	<50	--	60	--
JUN 26...	--	<50	--	100	--
AUG 14...	--	100	--	200	--
01548075	Fishing Creek near Cedar Springs, PA (LAT 41 04 31N LONG 077 28 40W)				
APR 2002					
18...	--	<50	--	<10	--
JUN 27...	--	<50	--	<10	--
AUG 15...	--	<50	--	<10	--
01548085	Bald Eagle Creek at Castanea, PA (LAT 41 07 29N LONG 077 26 09W)				
APR 2002					
18...	--	<50	--	<10	--
JUN 27...	--	<50	--	<10	--
AUG 15...	--	<50	--	10	--
01549590	Little Pine Creek bl Reservoir near Waterville, PA (LAT 41 21 12N LONG 077 21 20W)				
APR 2002					
10...	<4.0	<4.0	<5.0	<5.0	--
JUN 03...	<4.0	<4.0	<5.0	<5.0	--
AUG 12...	7.4	200	<5.0	10	--
01553005	Muncy Creek near Muncy, PA (LAT 41 12 27N LONG 076 45 09W)				
APR 2002					
08...	<4.0	<4.0	<5.0	<5.0	--
JUN 04...	<4.0	<4.0	<5.0	10	--
AUG 08...	<4.0	<4.0	<5.0	<5.0	--

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)													
APR 2002													
18...	1200	9813	12	30	10.6	6.3	19	12.7	7	1.37	1.4	.76	.8
MAY													
15...	1000	9813	49	30	9.9	5.1	15	8.9	7	1.47	1.5	.72	.8
JUN													
27...	1140	9813	7.4	30	8.3	6.8	19	14.8	7	1.57	1.5	.88	.8
JUL													
11...	1015	9813	4.9	30	10.9	5.7	18	12.9	6	1.35	1.3	.77	.8
AUG													
08...	0900	9813	2.2	30	9.0	6.9	19	13.8	7	1.47	1.5	.81	.8
SEP													
18...	0830	9813	1.1	30	8.9	5.7	13	13.8	7	1.35	1.4	.84	.8
01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 13N LONG 076 48 08W)													
APR 2002													
24...	0930	9813	25600	40	11.3	7.7	182	12.4	69	--	19.1	--	5.1
JUN													
20...	0915	9813	47500	40	8.6	7.3	156	18.6	60	--	17.3	--	4.1
AUG													
20...	1015	9813	2660	40	6.6	8.1	383	28.4	140	--	35.2	--	12.4
01554600 Penns Creek at Farmers Mills near Spring Mills, PA (LAT 40 51 57N LONG 077 36 35W)													
APR 2002													
17...	1000	9813	58	30	10.7	7.4	248	10.5	130	--	44.2	--	5.5
MAY													
14...	1315	9813	256	30	8.6	6.9	238	10.9	120	--	39.0	--	5.2
JUN													
26...	0945	9813	27	30	11.4	7.8	364	12.8	190	--	61.4	--	9.2
JUL													
10...	1415	9813	17	30	10.9	8.0	327	16.8	200	--	63.3	--	10.3
AUG													
07...	1445	9813	8.7	30	10.1	8.2	414	16.8	210	--	67.5	--	10.3
SEP													
17...	1400	9813	5.0	30	9.5	8.1	342	16.9	240	--	75.5	--	12.4
01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)													
APR 2002													
24...	1415	9813	174	30	11.9	8.2	138	14.1	62	--	17.8	--	4.1
JUN													
20...	1350	9813	138	30	8.9	8.2	188	22.6	85	--	24.5	--	5.7
AUG													
20...	1515	9813	17	30	8.2	8.3	285	27.4	140	--	37.4	--	10.2
01555859 Beaverdam Branch Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)													
APR 2002													
16...	1145	9813	360	30	10.6	7.5	270	13.4	85	--	21.9	--	7.3
JUN													
25...	1115	9813	60	30	8.7	7.6	438	20.1	170	--	41.2	--	15.9
AUG													
13...	1130	9813	14	30	6.8	7.6	594	21.0	230	--	60.8	--	19.5

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)													
APR 2002 18...	.0	5	.8	<.2	4.2	<2	4	<.020	<.04	<.040	.07	<.01	.010
MAY 15...	3.4	4	.7	<.2	5.1	--	--	<.020	<.04	<.040	.13	.01	.010
JUN 27...	12	5	.7	<.2	3.9	8	2	<.020	<.04	<.040	<.06	.01	.010
JUL 11...	9.2	8	.6	<.2	3.4	28	<2	<.020	.05	<.040	.30	<.01	<.010
AUG 08...	.0	7	.7	<.2	3.0	202	4	<.020	.07	<.040	.14	<.01	<.010
SEP 18...	.0	6	.8	<.2	2.6	24	<2	.040	<.04	<.040	.09	<.01	<.010
01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 13N LONG 076 48 08W)													
APR 2002 24...	--	42	--	--	30.8	136	10	<.020	.46	<.040	.83	.01	.030
JUN 20...	--	38	--	--	20.8	144	44	<.020	.55	<.040	.83	.05	.060
AUG 20...	--	50	--	--	93.2	312	10	<.020	.36	<.040	.81	.02	.030
01554600 Penns Creek at Farmers Mills near Spring Mills, PA (LAT 40 51 57N LONG 077 36 35W)													
APR 2002 17...	--	102	7.2	<.2	13.1	198	12	<.020	2.40	<.040	2.8	.04	.040
MAY 14...	--	98	5.7	<.2	12.0	250	114	<.020	3.49	<.040	4.0	.01	.130
JUN 26...	--	156	8.3	<.2	14.4	160	6	<.020	3.79	<.040	4.0	.01	.014
JUL 10...	--	172	9.2	<.2	15.3	242	12	<.020	3.75	<.040	3.9	<.01	.018
AUG 07...	--	174	9.8	<.2	16.4	294	<2	<.020	3.75	<.040	3.8	.01	.015
SEP 17...	--	194	10.6	<.2	17.4	314	4	.040	3.78	<.040	4.0	.01	.016
01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)													
APR 2002 24...	--	46	--	--	13.8	134	20	<.020	.80	<.040	1.1	.03	.030
JUN 20...	--	62	--	--	14.1	142	38	<.020	1.32	<.040	1.6	.05	.070
AUG 20...	--	106	--	--	23.8	224	18	<.020	.73	<.040	1.2	.07	.090
01555859 Beaverdam Branch Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)													
APR 2002 16...	--	32	--	--	50.7	184	42	<.020	.90	<.040	1.2	.04	.080
JUN 25...	--	44	--	--	112	374	8	<.020	1.71	<.040	1.8	.02	.120
AUG 13...	--	88	--	--	117	436	14	<.020	6.30	<.200	6.7	.45	.600

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01553430 Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)													
APR 2002 18...	--	<.2	10	--	--	<4	<4	<20	<20	<1.0	<1.0	<2.0	<10
MAY 15...	--	.7	10	--	--	<4	<4	<20	60	<1.0	<1.0	7.4	10
JUN 27...	--	1.2	<20	<4.0	<.20	<4	<4	<20	40	<1.0	<1.0	<2.0	<10
JUL 11...	--	1.3	<20	<4.0	<.20	<4	<4	<20	40	<1.0	<1.0	<2.0	<10
AUG 08...	--	1.3	<20	<4.0	<.20	<4	<4	30	40	<1.0	<1.0	<2.0	<10
SEP 18...	--	.7	<20	<4.0	<.20	<4	<4	<20	30	<1.0	<1.0	2.3	<10
01553990 Susquehanna River above Dam at Sunbury, PA (LAT 40 51 13N LONG 076 48 08W)													
APR 2002 24...	2.3	--	--	--	--	--	<10	--	580	--	<1.0	--	140
JUN 20...	3.5	--	--	--	--	--	<10	--	1670	--	1.5	--	140
AUG 20...	2.8	--	--	--	--	--	<10	--	300	--	<1.0	--	12900
01554600 Penns Creek at Farmers Mills near Spring Mills, PA (LAT 40 51 57N LONG 077 36 35W)													
APR 2002 17...	--	.8	2000	--	--	<4	<4	<20	530	<1.0	<1.0	10	20
MAY 14...	--	1.0	7600	--	--	<4	4	40	3190	<1.0	3.2	40	160
JUN 26...	--	1.4	340	<4.0	<.20	<4	<4	20	140	<1.0	<1.0	30	30
JUL 10...	--	1.5	140	<4.0	<.20	<4	<4	50	170	<1.0	<1.0	10	20
AUG 07...	--	1.4	120	<4.0	<.20	<4	<4	170	460	<1.0	<1.0	<10	<10
SEP 17...	--	1.5	260	<4.0	<.20	9	<4	<20	70	1.7	<1.0	<10	10
01555210 Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)													
APR 2002 24...	2.8	--	--	--	--	--	<10	--	430	--	<1.0	--	30
JUN 20...	3.2	--	--	--	--	--	<10	--	820	--	<1.0	--	60
AUG 20...	4.0	--	--	--	--	--	<10	--	450	--	<1.0	--	40
01555859 Beaverdam Branch Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)													
APR 2002 16...	2.9	--	--	--	--	--	<10	--	2180	--	2.2	--	520
JUN 25...	1.7	--	--	--	--	--	<10	--	1110	--	<1.0	--	1320
AUG 13...	3.5	--	--	--	--	--	<10	--	390	--	1.8	--	190

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01553430	Spruce Run ab Spruce Run Reservoir nr Mazeppa, PA (LAT 41 01 27N LONG 077 03 54W)				
APR 18...	<4.0	<4.0	<5.0	<5.0	<5
MAY 15...	<4.0	<4.0	5.3	<5.0	<5
JUN 27...	<4.0	<4.0	<5.0	<5.0	<5
JUL 11...	<4.0	<4.0	<5.0	<5.0	<5
AUG 08...	<4.0	<4.0	<5.0	<5.0	<5
SEP 18...	<4.0	<4.0	<5.0	<5.0	<5
01553990	Susquehanna River above Dam at Sunbury, PA (LAT 40 51 13N LONG 076 48 08W)				
APR 2002 24...	--	<50	--	10	--
JUN 20...	--	<50	--	50	--
AUG 20...	--	<50	--	<10	--
01554600	Penns Creek at Farmers Mills near Spring Mills, PA (LAT 40 51 57N LONG 077 36 35W)				
APR 2002 17...	<4.0	<4.0	<5.0	<5.0	<5
MAY 14...	<4.0	6.2	<5.0	10	<5
JUN 26...	<4.0	<4.0	<5.0	<5.0	<5
JUL 10...	<4.0	<4.0	<5.0	<5.0	<5
AUG 07...	<4.0	<4.0	<5.0	<5.0	<5
SEP 17...	<4.0	<4.0	7.9	<5.0	<5
01555210	Middle Creek near Selinsgrove, PA (LAT 40 46 29N LONG 076 52 11W)				
APR 2002 24...	--	<50	--	<10	--
JUN 20...	--	<50	--	<10	--
AUG 20...	--	<50	--	<10	--
01555859	Beaverdam Branch Juniata River near Hollidaysburg, PA (LAT 40 25 50N LONG 078 21 50W)				
APR 2002 16...	--	<50	--	20	--
JUN 25...	--	<50	--	40	--
AUG 13...	--	<50	--	<10	--

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	
01556009 Frankstown Br Juniata River at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)														
APR 2002	16...	1250	9813	995	30	8.5	7.5	284	16.4	100	--	27.4	--	8.7
JUN	25...	1230	9813	192	30	8.9	7.9	471	22.3	170	--	42.4	--	15.2
AUG	13...	1315	9813	84	30	9.1	8.2	561	21.5	220	--	53.8	--	19.8
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)														
APR 2002	15...	1400	9813	E535	30	9.1	7.4	147	17.1	59	--	17.4	--	3.8
MAY	14...	1000	9813	E1120	30	10.1	6.0	100	13.5	42	--	11.4	--	3.2
JUN	24...	1415	9813	E55	30	7.9	8.0	58	26.9	77	--	22.2	--	5.2
JUL	10...	1115	9813	E22	30	7.5	8.0	212	16.8	96	--	27.6	--	6.6
AUG	07...	1130	9813	E20	30	6.7	7.8	243	22.2	100	--	28.8	--	7.6
SEP	17...	1145	9813	E9.0	30	5.6	7.7	266	21.1	130	--	36.2	--	9.6
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)														
APR 2002	25...	1400	9813		30	9.9	7.6	506	11.4	260	--	78.3	--	15.1
MAY	22...	1500	9813	11	30	10.7	8.0	496	15.8	280	--	83.0	--	16.3
JUN	18...	1310	9813	8.9	30	11.4	7.8	517	14.6	290	--	87.7	--	18.1
JUL	09...	1530	9813	8.8	30	11.3	7.7	526	15.0	300	--	89.5	--	17.8
AUG	06...	1430	9813	7.7	30	10.6	7.7	494	16.0	270	--	82.6	--	16.5
SEP	19...	1430	9813	9.5	30	9.8	7.7	354	12.8	290	--	87.0	--	16.9
01570400 Conodoguinet Creek at Mouth at West Fairview, PA (LAT 40 16 17N LONG 076 54 51W)														
APR 2002	08...	1350	9813	279	40	11.6	8.4	359	11.7	150	--	46.3	--	8.8
JUN	11...	0945	9813	243	40	5.2	7.7	358	24.6	140	--	41.8	--	8.6
AUG	22...	1100	9813	E66	40	7.8	8.2	474	25.8	150	--	36.5	--	13.5
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)														
APR 2002	08...	0915	9813	130	40	10.9	7.8	303	8.8	140	--	39.4	--	10.5
JUN	11...	0830	9813	126	40	7.8	7.7	330	21.1	140	--	38.6	--	11.0
AUG	22...	1000	9813	72	40	7.7	7.8	334	23.4	150	--	39.5	--	12.2

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01556009 Frankstown Br Juniata River at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)													
APR 2002 16...	--	54	--	--	44.6	142	230	.070	.93	<.040	2.1	.25	.330
JUN 25...	--	102	--	--	63.1	322	6	<.020	2.03	<.040	2.3	.04	.070
AUG 13...	--	150	--	--	74.6	16	16	<.020	3.12	.110	3.8	.16	.270
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)													
APR 2002 15...	--	36	12.2	<.2	13.9	132	24	<.020	.29	<.040	.62	.05	.036
MAY 14...	--	28	5.0	<.2	11.4	96	46	<.020	.53	<.040	1.1	.02	.042
JUN 24...	--	58	9.5	<.2	14.1	4240	14	<.020	.21	<.040	.42	.02	.028
JUL 10...	--	78	11.3	<.2	15.6	154	16	<.020	.16	<.040	.48	.02	.020
AUG 07...	--	88	10.6	<.2	16.5	102	8	<.020	.06	<.040	.40	.02	.023
SEP 17...	--	106	10.2	<.2	24.9	194	6	.030	.05	<.040	.39	.01	.016
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)													
APR 2002 25...	--	214	10.9	<.2	19.9	350	20	<.020	6.63	<.040	6.8	<.01	<.010
MAY 22...	--	212	11.5	<.2	20.3	302	6	.320	7.29	.110	8.7	.01	<.010
JUN 18...	--	222	10.1	<.2	20.1	334	4	.030	6.52	.070	6.6	.01	.010
JUL 09...	--	226	11.5	<.2	20.1	306	<2	.110	9.82	.100	7.0	<.01	.011
AUG 06...	--	224	9.4	<.2	20.4	314	8	.110	6.49	.040	6.5	<.01	.011
SEP 19...	--	222	11.0	<.2	20.0	314	4	.050	6.68	<.040	6.4	<.01	<.010
01570400 Conodoguinet Creek at Mouth at West Fairview, PA (LAT 40 16 17N LONG 076 54 51W)													
APR 2002 08...	--	106	--	--	24.8	240	8	<.020	2.90	<.040	3.5	.02	.040
JUN 11...	--	110	--	--	20.5	230	16	.140	2.27	<.040	3.2	.08	.100
AUG 22...	--	104	--	--	34.4	282	<2	.020	1.20	<.040	1.8	.08	.130
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)													
APR 2002 08...	--	110	--	--	16.4	200	<2	<.020	1.78	<.040	2.2	.01	.020
JUN 11...	--	116	--	--	15.7	202	16	.050	1.77	<.040	2.4	.06	.080
AUG 22...	--	122	--	--	17.5	208	6	<.020	1.60	<.040	1.8	.04	.070

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01556009 Frankstown Br Juniata River at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)													
APR 2002 16...	5.1	--	--	--	--	--	20	--	12200	--	15	--	690
JUN 25...	3.2	--	--	--	--	--	<10	--	280	--	<1.0	--	100
AUG 13...	8.7	--	--	--	--	--	<10	--	400	--	1.8	--	50
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)													
APR 2002 15...	--	1.6	3900	--	--	<4	<4	80	780	<1.0	<1.0	20	50
MAY 14...	--	1.3	1500	--	--	<4	<4	90	1020	<1.0	1.1	20	70
JUN 24...	--	1.3	80	<4.0	<.20	<4	<4	100	320	<1.0	<1.0	20	30
JUL 10...	--	1.2	100	<4.0	<.20	<4	<4	60	230	<1.0	<1.0	30	40
AUG 07...	--	1.6	60	<4.0	<.20	<4	<4	60	300	<1.0	<1.0	30	60
SEP 17...	--	1.3	100	<4.0	<.20	<4	<4	50	140	1.9	2.2	50	40
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)													
APR 2002 25...	--	1.0	240	--	--	<4	<4	40	60	<1.0	<1.0	2.4	<10
MAY 22...	--	6.1	60	--	--	<4	<4	<20	40	<1.0	<1.0	<2.0	<10
JUN 18...	--	.8	4000	<4.0	<.20	<4	<4	<20	70	<1.0	<1.0	2.4	<10
JUL 09...	--	1.0	300	<4.0	<.20	<4	<4	20	100	<1.0	<1.0	2.3	<10
AUG 06...	--	.9	320	<4.0	<.20	<4	<4	<20	90	<1.0	<1.0	3.3	<10
SEP 19...	--	--	140	<4.0	<.20	<4	<4	<20	50	<1.0	<1.0	3.5	<10
01570400 Conodoguinet Creek at Mouth at West Fairview, PA (LAT 40 16 17N LONG 076 54 51W)													
APR 2002 08...	2.9	--	--	--	--	--	<10	--	300	--	<1.0	--	30
JUN 11...	4.4	--	--	--	--	--	<10	--	350	--	<1.0	--	30
AUG 22...	4.8	--	--	--	--	--	<10	--	110	--	<1.0	--	30
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)													
APR 2002 08...	1.9	--	--	--	--	--	<10	--	160	--	<1.0	--	30
JUN 11...	2.0	--	--	--	--	--	<10	--	440	--	<1.0	--	50
AUG 22...	2.0	--	--	--	--	--	<10	--	250	--	<1.0	--	40

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01556009 Frankstown Br Juniata River at RR at Williamsburg, PA (LAT 40 28 19N LONG 078 11 13W)					
APR 2002					
16...	--	<50	--	80	--
JUN					
25...	--	<50	--	<10	--
AUG					
13...	--	<50	--	<10	--
01564515 Aughwick Creek at Aughwick Mills, PA (LAT 40 20 05N LONG 077 51 36W)					
APR 2002					
15...	<4.0	<4.0	<5.0	<5.0	<5
MAY					
14...	<4.0	<4.0	<5.0	5.6	10
JUN					
24...	<4.0	<4.0	<5.0	<5.0	<5
JUL					
10...	<4.0	<4.0	<5.0	<5.0	<5
AUG					
07...	<4.0	12	<5.0	<5.0	<5
SEP					
17...	<4.0	<4.0	--	<5.0	8
01567795 Letort Spring Run at Bonny Brook near Carlisle, PA (LAT 40 10 39N LONG 077 11 10W)					
APR 2002					
25...	<4.0	<4.0	<5.0	<5.0	<5
MAY					
22...	<4.0	<4.0	<5.0	<5.0	<5
JUN					
18...	<4.0	<4.0	<5.0	<5.0	<5
JUL					
09...	<4.0	<4.0	<5.0	<5.0	<5
AUG					
06...	<4.0	<4.0	<5.0	<5.0	<5
SEP					
19...	<4.0	<4.0	<5.0	<5.0	<5
01570400 Conodoguinet Creek at Mouth at West Fairview, PA (LAT 40 16 17N LONG 076 54 51W)					
APR 2002					
08...	--	<50	--	<10	--
JUN					
11...	--	<50	--	<10	--
AUG					
22...	--	<50	--	<10	--
01571505 Yellow Breeches Creek at New Cumberland, PA (LAT 40 13 27N LONG 076 51 38W)					
APR 2002					
08...	--	<50	--	40	--
JUN					
11...	--	<50	--	<10	--
AUG					
22...	--	<50	--	<10	--

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE AS CA (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE AS MG (MG/L AS MG) (00927)	
01573610 Swatara Creek at Harrisburg Airport at Middletown, PA (LAT 40 11 28N LONG 076 43 52W)														
APR 2002 09...	0840	9813	501	40	9.9	7.5	280	10.7	110	--	29.8	--	8.5	
JUN 12...	0915	9813	286	40	5.8	7.3	316	24.1	120	--	34.3	--	8.8	
AUG 27...	1230	9813	99	40	8.2	8.0	558	25.1	210	--	58.5	--	16.1	
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)														
APR 2002 25...	1145	9813	4.4	30	9.8	6.4	62	9.3	17	4.59	4.4	1.58	1.5	
MAY 22...	1245	9813	5.7	30	10.3	7.3	56	9.0	16	3.70	4.1	1.29	1.5	
JUN 18...	1030	9813	2.2	30	9.2	6.9	60	14.7	18	4.28	4.5	1.49	1.6	
JUL 09...	1300	9813	.96	30	7.5	7.3	59	20.0	16	4.14	4.2	1.38	1.4	
AUG 06...	1100	9813	.59	30	7.9	7.0	57	20.1	18	4.52	4.6	1.45	1.5	
SEP 19...	1230	9813	<.01	30	5.0	7.2	68	16.8	20	5.01	5.2	1.57	1.6	
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)														
APR 2002 09...	1100	9813	44	30	12.6	8.4	551	12.6	220	--	60.8	--	16.3	
JUN 12...	1100	9813	274	30	7.9	7.9	408	21.3	220	--	63.8	--	16.0	
AUG 27...	1100	9813	24	30	8.2	7.8	734	21.0	260	--	74.5	--	18.2	
01576003 Susquehanna River at Columbia, PA (LAT 40 01 42N LONG 076 31 05W)														
JUN 2002 06...	1320	9813	27900	40	8.6	8.2	222	24.0	90	--	24.9	--	6.7	
AUG 28...	1300	9813	3210	40	7.2	8.2	410	26.6	140	--	34.2	--	14.2	
01576787 Pequea Creek at Martic Forge, PA (LAT 39 54 21N LONG 076 19 43W)														
APR 2002 10...	1210	9813	68	30	11.7	8.5	464	14.2	230	--	54.2	--	22.4	
JUN 17...	1250	9813	58	30	9.0	8.2	462	20.2	220	--	50.8	--	21.4	
AUG 26...	0930	9813	37	30	6.0	7.5	478	22.4	210	--	44.1	--	23.6	
01577180 Rambo Run at Meadestown near Stewartstown, PA (LAT 39 49 21N LONG 076 31 59W)														
APR 2002 10...	1000	9813	4.5	30	10.3	6.7	117	10.8	42	--	8.7	--	4.9	
MAY 22...	1000	9813	5.1	30	9.2	6.6	117	8.8	41	--	8.7	--	4.7	
JUN 17...	1000	9813	3.7	30	9.0	7.0	125	15.7	45	--	9.5	--	5.1	
JUL 09...	1000	9813	2.1	30	8.2	7.1	124	19.8	42	--	8.7	--	4.8	
AUG 28...	0930	9813	1.6	30	8.2	7.0	122	19.6	47	--	10.2	--	5.2	
SEPT 19...	0930	9813	1.7	30	8.5	6.8	124	16.9	47	--	9.8	--	5.3	

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

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

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
01573610 Swatara Creek at Harrisburg Airport at Middletown, PA (LAT 40 11 28N LONG 076 43 52W)													
APR 2002 09...	--	62	--	--	27.8	218	10	<.020	3.46	<.040	4.0	.02	.050
JUN 12...	--	76	--	--	29.2	226	6	.060	3.28	.040	3.8	.07	.090
AUG 27...	--	148	--	--	50.5	392	12	.030	5.52	<.200	6.1	.11	.160
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)													
APR 2002 25...	.0	16	4.9	<.2	7.0	42	18	<.020	.47	<.040	.77	<.01	<.010
MAY 22...	.0	14	4.4	<.2	6.9	68	4	<.020	.48	<.040	.85	<.01	<.010
JUN 18...	8.0	16	4.3	<.2	5.1	44	<2	<.020	.46	<.040	.59	.01	.010
JUL 09...	8.2	18	3.8	<.2	3.9	44	6	<.020	.36	<.040	.47	<.01	.010
AUG 06...	.0	20	2.9	<.2	3.6	66	<2	<.020	.29	<.040	.43	.02	.020
SEP 19...	.0	22	3.3	<.2	4.5	30	4	.050	.21	<.040	.37	.01	.010
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)													
APR 2002 09...	--	152	--	--	32.2	352	6	<.020	7.14	.050	7.7	.02	.040
JUN 12...	--	156	--	--	28.3	352	14	.020	9.48	<.040	10	.11	.130
AUG 27...	--	194	--	--	33.6	496	12	.040	8.13	<.200	8.6	.08	.130
01576003 Susquehanna River at Columbia, PA (LAT 40 01 42N LONG 076 31 05W)													
JUN 2002 06...	--	48	--	--	35.7	102	18	<.020	.46	<.040	.80	.03	.030
AUG 28...	--	60	--	--	79.1	286	4	.130	.38	<.040	.91	.02	.026
01576787 Pequea Creek at Martic Forge, PA (LAT 39 54 21N LONG 076 19 43W)													
APR 2002 10...	--	156	--	--	27.9	280	10	<.020	5.85	<.040	6.2	.03	.060
JUN 17...	--	158	--	--	26.3	392	22	<.020	5.59	.050	6.0	.20	.260
AUG 26...	--	156	--	--	29.8	192	18	.050	2.96	<.040	3.6	.18	.270
01577180 Rambo Run at Meadestown near Stewartstown, PA (LAT 39 49 21N LONG 076 31 59W)													
APR 2002 10...	--	17	10.7	<.2	2.9	86	22	<.020	4.97	<.040	5.4	.01	.011
MAY 22...	--	20	10.6	<.2	3.1	88	6	<.020	5.04	<.040	5.3	<.01	<.010
JUN 17...	--	22	10.7	<.2	2.5	132	6	<.020	4.91	<.040	5.0	.02	.016
JUL 09...	--	22	10.9	<.2	2.4	94	<2	<.020	4.66	<.040	4.7	.02	.018
AUG 28...	--	26	10.6	<.2	2.6	92	4	.130	4.17	<.040	4.3	.01	.013
SEPT 19...	--	26	11.4	<.2	2.5	94	4	.040	4.51	<.040	4.4	.01	.011

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01573610 Swatara Creek at Harrisburg Airport at Middletown, PA (LAT 40 11 28N LONG 076 43 52W)													
APR 2002 09...	2.2	--	--	--	--	--	<10	--	280	--	5.9	--	60
JUN 12...	3.3	--	--	--	--	--	<10	--	340	--	<1.0	--	60
AUG 27...	3.2	--	--	--	--	--	<10	--	260	--	<1.0	--	80
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)													
APR 2002 25...	--	.5	<20	--	--	<4	<4	70	80	<1.0	<1.0	<10	<10
MAY 22...	--	6.3	<20	--	--	<4	<4	40	80	<1.0	<1.0	<10	<10
JUN 18...	--	.6	<10	<4.0	<.20	<4	<4	100	170	<1.0	<1.0	<10	10
JUL 09...	--	.6	20	<4.0	<.20	<4	<4	100	160	<1.0	<1.0	<10	10
AUG 06...	--	.6	160	<4.0	<.20	<4	<4	150	240	<1.0	<1.0	10	30
SEP 19...	--	--	780	<4.0	<.20	<4	<4	80	180	<1.0	<1.0	10	20
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)													
APR 2002 09...	3.4	--	--	--	--	--	<10	--	160	--	<1.0	--	40
JUN 12...	3.2	--	--	--	--	--	10	--	500	--	<1.0	--	60
AUG 27...	3.1	--	--	--	--	--	<10	--	320	--	<1.0	--	60
01576003 Susquehanna River at Columbia, PA (LAT 40 01 42N LONG 076 31 05W)													
JUN 2002 06...	3.5	--	--	--	--	--	<10	--	580	--	<1.0	--	120
AUG 28...	3.4	--	--	--	--	--	<10	--	110	--	<1.0	--	60
01576787 Pequea Creek at Martic Forge, PA (LAT 39 54 21N LONG 076 19 43W)													
APR 2002 10...	2.7	--	--	--	--	--	<10	--	230	--	<1.0	--	30
JUN 17...	4.2	--	--	--	--	--	<10	--	1180	--	1.3	--	70
AUG 26...	5.2	--	--	--	--	--	<10	--	830	--	1.6	--	100
01577180 Rambo Run at Meadestown near Stewartstown, PA (LAT 39 49 21N LONG 076 31 59W)													
APR 2002 10...	--	.9	20	--	--	<4	<4	30	150	<1.0	<1.0	<10	10
MAY 22...	--	6.4	<10	--	--	<4	<4	<20	90	<1.0	<1.0	10	10
JUN 17...	--	1.2	120	<4.0	<.20	<4	<4	30	260	1.0	<1.0	10	20
JUL 09...	--	.9	170	<4.0	<.20	<4	<4	40	220	<1.0	<1.0	20	20
AUG 28...	--	<.2	260	<4.0	<.20	<4	<4	20	190	<1.0	<1.0	20	20
SEPT 19...	--	--	460	<4.0	<.20	4	<4	30	240	<1.0	<1.0	20	20

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

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

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01573610 Swatara Creek at Harrisburg Airport at Middletown, PA (LAT 40 11 28N LONG 076 43 52W)					
APR 2002					
09...	--	<50	--	<10	--
JUN					
12...	--	<50	--	<10	--
AUG					
27...	--	<50	--	<10	--
01573750 Conewago Creek near Arendtsville, PA (LAT 39 56 13N LONG 077 21 58W)					
APR 2002					
25...	<4.0	<4.0	<5.0	<5.0	<5
MAY					
22...	<4.0	<4.0	<5.0	<5.0	<5
JUN					
18...	<4.0	<4.0	<5.0	5.2	<5
JUL					
09...	<4.0	<4.0	6.8	8.7	<5
AUG					
06...	<4.0	<4.0	<5.0	<5.0	<5
SEP					
19...	<4.0	<4.0	8.9	<5.0	5
01575900 Chickies Creek near Marietta, PA (LAT 40 03 46N LONG 076 30 57W)					
APR 2002					
09...	--	<50	--	<10	--
JUN					
12...	--	<50	--	<10	--
AUG					
27...	--	<50	--	<10	--
01576003 Susquehanna River at Columbia, PA (LAT 40 01 42N LONG 076 31 05W)					
JUN 2002					
06...	--	<50	--	10	--
AUG					
28...	--	<50	--	<10	--
01576787 Pequea Creek at Martic Forge, PA (LAT 39 54 21N LONG 076 19 43W)					
APR 2002					
10...	--	<50	--	<10	--
JUN					
17...	--	<50	--	<10	--
AUG					
26...	--	<50	--	<10	--
01577180 Rambo Run at Meadetown near Stewartstown, PA (LAT 39 49 21N LONG 076 31 59W)					
APR 2002					
10...	<4.0	<4.0	<5.0	<5.0	<5
MAY					
22...	<4.0	<4.0	<5.0	<5.0	<5
JUN					
17...	<4.0	<4.0	6.8	<5.0	<5
JUL					
09...	<4.0	<4.0	<5.0	10	--
AUG					
28...	<4.0	<4.0	<5.0	<5.0	<5
SEPT					
19...	<4.0	<4.0	10	<5.0	<5

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

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

MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	
01613500 Licking Creek near Sylvan, PA (LAT 39 43 23N LONG 078 03 38W)														
APR 2002	15...	1145	9813	387	30	8.4	7.2	125	14.8	59	--	15.5	--	4.9
JUN	24...	1200	9813	18	30	6.6	7.7	304	23.9	160	--	40.4	--	15.0
AUG	12...	1330	9813	7.5	30	7.0	8.0	341	24.5	190	--	45.3	--	18.9
01614500 Conococheague Creek at Fairview, MD (LAT 39 42 59N LONG 077 49 29W)														
APR 2002	15...	1000	9813	1090	40	7.3	7.3	290	15.7	160	--	47.9	--	9.7
JUN	24...	1020	9813	111	40	7.6	7.9	472	23.2	229	--	67.4	--	14.8
AUG	12...	1030	9813	53	40	8.5	8.3	502	24.4	202	--	56.9	--	14.6

MISCELLANEOUS STATION ANALYSES

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CAC03) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	
01613500 Licking Creek near Sylvan, PA (LAT 39 43 23N LONG 078 03 38W)														
APR 2002	15...	--	40	--	--	11.2	148	70	<.020	.63	<.040	1.1	.13	.120
JUN	24...	--	130	--	--	14.1	296	10	.020	.64	<.040	.97	.05	.070
AUG	12...	--	172	--	--	18.6	278	8	<.020	.41	<.040	.74	.07	.080
01614500 Conococheague Creek at Fairview, MD (LAT 39 42 59N LONG 077 49 29W)														
APR 2002	15...	--	98	--	--	18.9	286	310	.120	2.21	.040	3.3	.30	.040
JUN	24...	--	176	--	--	21.1	460	20	<.020	3.63	<.040	4.0	.06	.120
AUG	12...	--	178	--	--	24.3	372	4	<.020	2.10	<.040	2.5	.05	.090

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

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

MISCELLANEOUS STATION ANALYSES

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
01613500 Licking Creek near Sylvan, PA (LAT 39 43 23N LONG 078 03 38W)													
APR 2002 15...	6.7	--	--	--	--	--	<10	--	2650	--	1.5	--	110
JUN 24...	3.0	--	--	--	--	--	<10	--	360	--	<1.0	--	60
AUG 12...	3.1	--	--	--	--	--	<10	--	260	--	<1.0	--	50
01614500 Conococheague Creek at Fairview, MD (LAT 39 42 59N LONG 077 49 29W)													
APR 2002 15...	6.9	--	--	--	--	--	<10	--	1170	--	8.6	--	40
JUN 24...	7.4	--	--	--	--	--	<10	--	770	--	<1.0	--	30
AUG 12...	4.8	--	--	--	--	--	<10	--	230	--	<1.0	--	30

MISCELLANEOUS STATION ANALYSES

Date	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
01613500 Licking Creek near Sylvan, PA (LAT 39 43 23N LONG 078 03 38W)					
APR 2002 15...	--	<50	--	<10	--
JUN 24...	--	<50	--	<10	--
AUG 12...	--	<50	--	<10	--
01614500 Conococheague Creek at Fairview, MD (LAT 39 42 59N LONG 077 49 29W)					
APR 2002 15...	--	<50	--	24	--
JUN 24...	--	<50	--	10	--
AUG 12...	--	<50	--	<10	--