



Water-Data Report 2010

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°14'49", long 74°41'12" referenced to North American Datum of 1983, Hamilton Township, Mercer County, NJ, Hydrologic Unit 02040105, at bridge on County Route 533 (Quaker Bridge Road), 0.7 mi north of Mercerville, 2.1 mi upstream of Assumpink Creek, and 3.8 mi northwest of Robbinsville.

DRAINAGE AREA.--10.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Discharge, in ft ³ /s
Nov 17, 2009	6.55
Feb 23, 2010	23.9
Jun 21, 2010	2.12
Aug 9, 2010	0.58

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Urban Land Use Indicator and Statewide Status, New Jersey Department of Environmental Protection Watershed Management Area 11.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory. Analysis of the split and concurrent replicate samples was performed by the Laboratory Branch of the U.S. EPA, Region II, Division of Environmental Science and Assessment.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 7

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm	Temperature, air, °C	units per centimeter (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered	Absorbance, UV, 254 nm, 1 cm path length, water, filtered	Discharge, instantaneous, ft ³ /s (00061)
				Hg (00025)	(00020)	(50624)	(61726)		
11-17-2009	0830	Surface water	Replicate	765	10.0	.283	.223	6.6	
11-17-2009	0830	QC sample - Surface water	Concurrent Replicate	--	--	--	--	--	
11-17-2009	0831	QC sample - Surface water	Split Replicate	--	--	--	--	--	
02-23-2010	0810	Surface water	Regular	752	1.0	.149	.117	24	
06-21-2010	1050	Surface water	Regular	762	29.5	.144	.114	2.1	
08-09-2010	0901	QC sample - Artificial	Field Blank	--	--	--	--	--	
08-09-2010	1040	Surface water	Regular	761	30.0	.035	.028	.58	

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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Date	Dissolved oxygen, water, unfiltered, %		pH, water, unfiltered, field, standard	Specific conductance, water, µS/cm at 25 °C	Temperature, water, °C	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)		Dissolved solids dried at 180 °C, water, filtered, mg/L	Dissolved solids, water, filtered, sum of constituents, milligrams per liter	Hardness, water, mg/L as CaCO ₃
	mg/L (00300)	saturation (00301)				(00010)	(70300)			
11-17-2009	8.9	79	6.3	205	10.3	8.0	143	E 109	51.0	
11-17-2009	--	--	--	--	--	--	130	.103	48.1	
11-17-2009	--	--	--	--	--	--	130	.104	47.7	
02-23-2010	13.3	100	6.6	737	3.3	24	406	E 380	62.2	
06-21-2010	5.8	64	6.3	216	19.8	7.1	116	122	48.7	
08-09-2010	--	--	--	--	--	--	--	--	--	
08-09-2010	4.5	49	5.9	211	20.0	5.6	122	E 112	44.5	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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Date	Suspended solids, water, unfiltered, %		Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃		Carbon (inorganic plus organic), suspended sediment, total, mg/L	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Inorganic carbon, suspended sediment, total, mg/L (00688)
	mg/L (00530)	mg/L (00915)					(90410)	(00694)				
11-17-2009	7	12.6	4.72	3.31	16.0	28	.36	.27.8	E .07	< .06		
11-17-2009	< 10	12.0	4.40	3.10	15.0	30	--	30.0	.10	--		
11-17-2009	< 10	12.0	4.30	3.10	15.0	31	--	30.0	.10	--		
02-23-2010	16	16.8	4.88	2.65	110	25	2.34	203	E .04	< .06		
06-21-2010	3	11.6	4.77	3.02	18.5	20	.25	39.6	< .08	< .06		
08-09-2010	--	--	--	--	--	--	--	--	--	--		
08-09-2010	4	10.7	4.33	3.07	16.6	16	.36	31.4	E .06	< .06		

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Silica, water, filtered, mg/L as SiO ₂ (00955)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00945)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00623)	Ammonia, water, filtered, mg/L as N (00625)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Orthophos- phate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phosphorus, water, filtered, mg/L as P (00666)	
11-17-2009	8.2	14.9	.74	--	.259	1.02	E .009	E .03	.033
11-17-2009	--	16.0	E .69	E .70	.260	1.00	.029	--	< .050
11-17-2009	--	16.0	.73	E .77	.270	1.00	.028	--	< .050
02-23-2010	5.1	16.6	.38	--	.098	1.09	E .007	.16	.014
06-21-2010	5.8	16.3	.40	--	.104	2.24	--	E .03	.017
08-09-2010	--	--	--	--	--	--	--	--	--
08-09-2010	7.4	14.6	.31	--	.103	3.21	--	.04	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)	Barium, water, unfiltered, recover- able, µg/L (01007)	Beryllium, water, unfiltered, recover- able, µg/L (01012)	Cadmium, water, unfiltered, recover- able, µg/L (01027)	Chromium, water, unfiltered, recover- able, µg/L (01034)	Copper, water, unfiltered, recover- able, µg/L (01040)	Iron, water, unfiltered, recover- able, µg/L (01045)
11-17-2009	.051	1.8	E 1.8	--	--	--	--	--	--
11-17-2009	< .050	E 1.7	E 1.7	--	--	--	--	--	--
11-17-2009	< .050	1.7	E 1.8	--	--	--	--	--	--
02-23-2010	.057	1.5	1.6	80.8	.09	.11	1.5	--	4.9
06-21-2010	.037	2.6	E 2.7	--	--	--	--	--	--
08-09-2010	--	--	--	--	--	--	< 1.0	--	--
08-09-2010	.019	3.5	3.6	134	.31	.18	E .31	--	1.7
									683

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Manga-		Mercury,		Nickel,		Silver,		Zinc,	
	Lead, water, filtered, µg/L (01049)	unfilter- ed, recover- able, µg/L (01051)	nese, water, unfilter- ed, recover- able, µg/L (01055)	Mercury, water, filtered, µg/L (71890)	unfilter- ed, recover- able, µg/L (71900)	Nickel, water, filtered, µg/L (01065)	unfilter- ed, recover- able, µg/L (01067)	water, unfilter- ed, recover- able, µg/L (01077)	water, unfilter- ed, recover- able, µg/L (01090)	water, unfilter- ed, recover- able, µg/L (01092)
11-17-2009	--	--	--	--	--	--	--	--	--	--
11-17-2009	--	--	--	--	--	--	--	--	--	--
11-17-2009	--	--	--	--	--	--	--	--	--	--
02-23-2010	--	2.88	136	--	< .010	--	2.3	< .02	--	26.8
06-21-2010	--	--	--	--	--	--	--	--	--	--
08-09-2010	< .03	--	--	< .010	--	< .12	--	--	< 2.8	--
08-09-2010	--	1.10	173	--	< .010	--	3.3	< .02	--	22.2

WATER-QUALITY DATA
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Date	Boron,		Organic		Organic		
	Arsenic, water, filtered, µg/L (01000)	Arsenic, water, unfilter- ed, µg/L (01002)	Boron, water, filtered, µg/L (01020)	unfilter- ed, recover- able, micrograms per liter (01022)	Selenium, water, unfilter- ed, µg/L (01147)	carbon, suspended sediment, total, mg/L (00689)	carbon, water, filtered, mg/L (00681)
11-17-2009	--	--	--	--	--	.36	6.0
11-17-2009	--	--	20	--	--	--	6.4
11-17-2009	--	--	20	--	--	--	6.3
02-23-2010	.58	.98	--	17	.20	2.45	3.8
06-21-2010	--	--	--	--	--	.25	3.0
08-09-2010	< .04	--	--	--	--	--	--
08-09-2010	.22	.42	--	21	.19	.36	1.2

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

		2,6-		2-Chloro-4-						
Date	Sample start time	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2'-6'-diethyl acetanilide, water, filtered, recoverable, µg/L (61618)	isopropyl-amino-6-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloro-aniline, water, filtered, recoverable, µg/L (61627)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	
06-21-2010	1050	< .04	< .006	< .010	E .066	< .010	E .011	< .005	E .007	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

		Azinphos-		Azinphos-		Carbaryl,				
Date		alpha-Endosulfan, water, filtered, recoverable, µg/L (46342)	Atrazine, water, filtered, recoverable, µg/L (34362)	methyl, oxygen analog, water, filtered, recoverable, µg/L (39632)	methyl, micron glass fiber filter), recoverable, µg/L (61635)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (82674)	
06-21-2010		< .008	< .006	.088	< .04	< .120	< .014	< .060	< .060	< .05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

		cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38933)		Propiconazole, water, filtered, recoverable, µg/L (82687)		Cyanazine, water, filtered, recoverable, µg/L (79846)		Cyfluthrin, water, filtered, recoverable, µg/L (04041)		Cypermethrin, water, filtered, recoverable, µg/L (61585)		DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (61586)		Desulfinyl-fipronil, amide, water, filtered, recoverable, µg/L (82682)		Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62169)		Diazinon, water, filtered, recoverable, µg/L (62170)	
Date		cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38933)	cis-Propiconazole, water, filtered, recoverable, µg/L (82687)	Cyanazine, water, filtered, recoverable, µg/L (79846)	Propiconazole, water, filtered, recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (04041)	Cyanazine, water, filtered, recoverable, µg/L (79846)	Cyfluthrin, water, filtered, recoverable, µg/L (04041)	Cypermethrin, water, filtered, recoverable, µg/L (61585)	Cyfluthrin, water, filtered, recoverable, µg/L (04041)	Cypermethrin, water, filtered, recoverable, µg/L (61585)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (61586)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	Desulfinyl-fipronil, amide, water, filtered, recoverable, µg/L (82682)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)		
06-21-2010		< .010	< .014	< .006	< .022	< .016	< .020	< .008	< .029	E .007	< .005								

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 of 9

[µg/L, micrograms per liter; <, less than; E, estimated]

Date	Dichlorvos , water, filtered, recover- able, µg/L (38775)	Dicro- tophos, water, filtered, recover- able, µg/L (38454)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Dimetho- ate, water, filtered (0.7) micron glass fiber	Disulfoton sulfone, water, filtered, recover- able, µg/L (82662)	Disulfoton, water, filtered (0.7) micron glass fiber	Endosulfan sulfate, water, filtered, recover- able, µg/L (61640)	EPTC, water, filtered (0.7) micron glass fiber	Ethion monoxon, water, filtered, recover- able, µg/L (61644)	Ethion, water, filtered, recover- able, µg/L (82346)
	µg/L (38775)	µg/L (38454)	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)
06-21-2010	< .02	< .08	E .007	< .006	< .01	< .04	< .014	< .002	< .02	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

Date	Ethoprop, water, filtered (0.7) micron glass fiber	Fenami- phos water, filtered, recover- able, µg/L (82672)	Fenami- sulfone, water, filtered, recover- able, µg/L (61645)	Fenami- sulfoxide, water, filtered, recover- able, µg/L (61646)	Fipronil phos, water, filtered, recover- able, µg/L (61591)	Fipronil sulfide, water, filtered, recover- able, µg/L (62167)	Fipronil sulfone, water, filtered, recover- able, µg/L (62168)	Fipronil, water, filtered, recover- able, µg/L (62166)	Fonofos, water, filtered, recover- able, µg/L (04095)	Hexa- zinone, water, filtered, recover- able, µg/L (04025)	Iprodione, water, filtered, recover- able, µg/L (61593)
	µg/L (82672)	µg/L (61645)	µg/L (61646)	µg/L (61591)	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (04025)	µg/L (61593)	
06-21-2010	< .016	< .053	< .08	< .03	E .001	E .002	< .018	< .004	< .008	< .014	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

Date	Isofen- phos, water, filtered, recover- able, µg/L (61594)	lambda- Cyhalo- thrin, water, filtered, recover- able, µg/L (61595)	Malaoxon, water, filtered, recover- able, µg/L (61652)	Malathion, water, filtered, recover- able, µg/L (61652)	Metalaxyl, water, filtered, recover- able, µg/L (39532)	Methida- thion, water, filtered, recover- able, µg/L (61596)	Methyl paraoxon, water, filtered, recover- able, µg/L (61598)	Methyl paraoxon, water, filtered, recover- able, µg/L (61664)	Methyl filtered (0.7) micron glass fiber	Metola- chlor, water, filtered, recover- able, µg/L (82667)	Metribuzin , water, filtered, recover- able, µg/L (39415)
	µg/L (61594)	µg/L (61595)	µg/L (61652)	µg/L (61652)	µg/L (39532)	µg/L (61596)	µg/L (61598)	µg/L (61664)	µg/L (82667)	µg/L (39415)	µg/L (82630)
06-21-2010	< .006	< .010	< .080	< .016	< .007	< .006	< .006	< .01	< .008	.126	E .009

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[µg/L, micrograms per liter; <, less than; E, estimated]

Date	Molinate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82671)	Pendi- methalin, water, filtered (0.7 micron water, filtered, recover- able, µg/L (61599)	Phorate oxygen analog, water, filtered, recover- able, µg/L (82683)	Phorate, water, micron glass fiber filter), recover- able, µg/L (61666)	Phosmet oxygen analog, water, filtered, recover- able, µg/L (82664)	Phosmet, water, filtered, recover- able, µg/L (61668)	Prometon, water, filtered, recover- able, µg/L (04037)	Prometryn, water, filtered, recover- able, µg/L (04036)		
06-21-2010	< .003	E .009	< .010	< .012	< .03	< .020	< .05	< .034	.01	< .006

WATER-QUALITY DATA
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[µg/L, micrograms per liter; <, less than; E, estimated]

Date	Propyz- Propanil, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82685)	amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (04035)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	Terbufos oxygen analog, water, filtered, recover- able, µg/L (61606)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (61674)	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (04022)	
06-21-2010	< .010	< .02	< .004	.016	< .03	< .010	< .04	< .02	< .01	< .016

WATER-QUALITY DATA
**WATER YEAR OCTOBER 2009 TO SEPTEMBER
2010**

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[µg/L, micrograms per liter; <, less than; E, estimated]

Date	trans- Propicon- azole, water, filtered, recover- able, µg/L (79847)	Tribuphos, water, filtered, recover- able, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)
06-21-2010	< .02	< .018	< .018

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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[<, less than; E, estimated]

Date	Sample start time	Moisture content, bed sediment smaller than 2 millimeter		Carbon (inorganic plus organic), bed sediment, total, dry weight, kilograms per gram per kilogram		Phosphorus, bed sediment, total, dry weight, kilograms per phosphorus as milligrams per kilogram		Cadmium, bed sediment, recoverable weight, kilograms per kilogram		Chromium, bed sediment, recoverable weight, kilograms per kilogram		Cobalt, bed sediment, recoverable weight, kilograms per kilogram		Copper, bed sediment, recoverable weight, kilograms per kilogram	
		pH, bed sediment, standard units	e, dry weight, percent (49282)	pH, bed sediment, standard units	e, dry weight, percent (70310)	(00693)	(00686)	(00668)	(01028)	(01029)	(01038)	(01043)			
08-09-2010	1040	27	5.84	12	.3		120		.180	13	2.4	15			

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
Part 2 of 5
[<, less than; E, estimated]

Date	p-Cresol, bed sediment smaller than 2 millimeter		s, wet sieved		Iron, bed sediment, total recoverable		Lead, bed sediment, digesting, dry weight, milligrams		Manganese, bed sediment, recoverable		Mercury, bed sediment, recoverable		Nickel, bed sediment, recoverable		Arsenic, bed sediment, recoverable		Selenium, bed sediment, recoverable		(native water), field, weight, microgram		PCBs, bed sediment, recoverable	
	per kilogram (01170)	per kilogram (01052)	per kilogram (01053)	per kilogram (71921)	per kilogram (01068)	per kilogram (01093)	per kilogram (64847)	per kilogram (64848)	per kilogram (49451)	per kilogram (39519)												
08-09-2010	7,200	21	46	.014	5.3		59		1.6		.1	E 9										

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
 Part 3 of 5
 [<, less than; E, estimated]

	1,2-Dimethylaphthalen e, bed sediment smaller than 2 millimeter	1,6-Dimethylaphthalen e, bed sediment smaller than 2 millimeter	1-Methyl-9H-fluorene, bed sediment smaller than 2 millimeter	1-Methylphe nanthrene, bed sediment smaller than 2 millimeter	1-Methylpyr ene, bed sediment smaller than 2 millimeter	2,3,6-Trimethylaphthalen e, bed sediment smaller than 2 millimeter	2,6-Dimethylaphthalen e, bed sediment smaller than 2 millimeter	2-Ethylnaphthalene, bed sediment smaller than 2 millimeter	2-Methylanthracene, bed sediment smaller than 2 millimeter	4-H-Cyclopenta[def]phenanthrene, bed sediment smaller than 2 millimeter
Date	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49403)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49404)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49398)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49410)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49388)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49388)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49405)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49406)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49948)	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49435)
08-09-2010	E 5	E 10	E 23	180	150	E 11	E 14	E 6	91	330

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
 Part 4 of 5
 [<, less than; E, estimated]

	9H-Fluorene, bed sediment smaller than 2 millimeter	Acenaphthene, bed sediment smaller than 2 millimeter	Acenaphthylene, bed sediment smaller than 2 millimeter	Anthracene, bed sediment smaller than 2 millimeter	Benzo[a]anthracene, bed sediment smaller than 2 millimeter	Benzo[a]pyrene, bed sediment smaller than 2 millimeter	Benzo[b]fluoranthene, bed sediment smaller than 2 millimeter	Benzo[ghi]perylene, bed sediment smaller than 2 millimeter	Benzo[k]fluoranthene, bed sediment smaller than 2 millimeter	Chrysene, bed sediment smaller than 2 millimeter
Date	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram (49399)	kilogram (49429)	kilogram (49428)	kilogram (49434)	kilogram (49436)	kilogram (49389)	kilogram (49389)	kilogram (49458)	kilogram (49408)	kilogram (49397)
08-09-2010	130	96	E 43	340	1,600	1,300	2,700	E 420	980	1,700

01463850 MIRY RUN AT ROUTE 533, AT MERCERVILLE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 5 of 5

[<, less than; E, estimated]

Indeno[1,2]-3-									
Dibenzo[a,h]anthracene, bed sediment smaller than 2 millimeter	Fluoranthene, bed sediment smaller than 2 millimeter	cd]pyrene, bed sediment smaller than 2 millimeter	Isophorone, bed sediment smaller than 2 millimeter	Naphthalene, bed sediment smaller than 2 millimeter	Phenanthrene, bed sediment smaller than 2 millimeter	Phenanthrene, bed sediment smaller than 2 millimeter	Pyrene, bed sediment smaller than 2 millimeter	Pyrene, bed sediment smaller than 2 millimeter	Pyrene, bed sediment smaller than 2 millimeter
s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram	s, wet sieved (native water), field, recoverabl e, dry weight, microgram s per kilogram
Date	kilogram (49461)	kilogram (49466)	kilogram (49390)	kilogram (49400)	kilogram (49402)	kilogram (49409)	kilogram (49393)	kilogram (49387)	s (80164)
08-09-2010	E 170	4,000	E 500	< 55	E 18	1,700	85	3,100	0.0