



Water-Data Report 2011

**01423900 DIVERSION FROM CANNONVILLE RESERVOIR, NY**

Upper Delaware Basin  
Upper Delaware Subbasin

LOCATION.--Lat 42°05'21", long 75°18'03" referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02040101, near County Route 10 near Deposit.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

PESTICIDE DATA: 1999-2011 (b).

REMARKS.--Diversion from Cannonsville Reservoir (see 01424997) on West Branch Delaware River to Rondout Reservoir on Rondout Creek. For many of the samples collected, analysis was performed using multiple analytical methods. When these methods share one or more compounds, separate tables are provided so that each analysis can be presented. A medium code of WSQ indicates a replicate sample.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Medium code	Sampling method (82398)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethyl-acetanil-ide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-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)
05-16-2011	0830	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .007	<.010	<.004
05-16-2011	0831	WSQ	Grab smp tap wat sup	<.036	<.006	<.010	E .007	<.010	<.004
08-01-2011	1000	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .009	<.010	<.004
08-01-2011	1001	WBQ	Grab smp tap wat sup	<.036	<.006	<.010	E .009	<.010	<.004
09-19-2011	1000	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .012	<.010	<.004

## 01423900 DIVERSION FROM CANNONVILLE RESERVOIR, NY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Alachlor, water, filtered, recoverable, µg/L (46342)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)
05-16-2011	0830	< .005	< .010	< .008	.006	< .04	< .120	< .014	< .060
05-16-2011	0831	< .005	< .010	< .008	< .008	< .04	< .120	< .014	< .060
08-01-2011	1000	< .005	< .010	< .008	.008	< .04	< .120	< .014	< .060
08-01-2011	1001	< .005	< .010	< .008	.008	< .04	< .120	< .014	< .060
09-19-2011	1000	< .005	< .010	< .008	.006	< .04	< .120	< .014	< .060

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)
05-16-2011	0830	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
05-16-2011	0831	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
08-01-2011	1000	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
08-01-2011	1001	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
09-19-2011	1000	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006

## 01423900 DIVERSION FROM CANNONVILLE RESERVOIR, NY—Continued

**WATER-QUALITY DATA**  
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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)
05-16-2011	0830	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
05-16-2011	0831	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
08-01-2011	1000	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
08-01-2011	1001	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
09-19-2011	1000	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)
05-16-2011	0830	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
05-16-2011	0831	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
08-01-2011	1000	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
08-01-2011	1001	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
09-19-2011	1000	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl parathion, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered, recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Myclobutanol, water, filtered, recoverable, µg/L (61599)	Pendimethalin, water, filtered, recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)
05-16-2011	0830	< .014	< .012	< .01	< .008	.006	< .012	< .010	< .012	< .03
05-16-2011	0831	< .014	< .012	< .01	< .008	.006	< .012	< .010	< .012	< .03
08-01-2011	1000	< .014	< .012	< .01	< .008	.010	< .012	< .010	< .012	< .03
08-01-2011	1001	< .014	< .012	< .01	< .008	.010	< .012	< .010	< .012	< .03
09-19-2011	1000	< .014	< .012	< .01	< .008	.013	< .012	< .010	< .012	< .03

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than; E, estimated]

Date	Sample start time	Phorate, water, filtered, recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propyzamide, water, filtered, recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebu-thiuron, water, filtered, recoverable, µg/L (82670)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)
05-16-2011	0830	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
05-16-2011	0831	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
08-01-2011	1000	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
08-01-2011	1001	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
09-19-2011	1000	< .020	< .05	< .140	< .012	< .006	< .004	.004	< .03	< .04

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**WATER-QUALITY DATA**  
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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp -  
 Untreated water supply; WSQ, QC sample - Surface water; <, less than; E,  
 estimated]

Date	Sample start time	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthylazine, water, filtered, recoverable, µg/L (04022)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)
05-16-2011	0830	< .02	< .01	< .018	< .018
05-16-2011	0831	< .02	< .01	< .018	< .018
08-01-2011	1000	< .02	< .01	< .018	< .018
08-01-2011	1001	< .02	< .01	< .018	< .018
09-19-2011	1000	< .02	< .01	< .018	< .018

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than]

Date	Sample start time	Medium code	Sampling method (82398)	2,4-D methyl ester, water, filtered, recoverable, µg/L (50470)	2,4-D, water, filtered, recoverable, µg/L (39732)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38746)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040)	2-Chloro-6-ethyl-amino-4-triazine, water, filtered, recoverable, µg/L (04038)	2-Hydroxy-4-iso-propyl-amino-6-ethyl-amino-s-triazine, water, filtered, recoverable, µg/L (50355)
05-16-2011	0835	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	.020
05-16-2011	0841	WSQ	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	.019
08-01-2011	1005	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060
08-01-2011	1011	WBQ	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060

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**WATER-QUALITY DATA**  
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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; &lt;, less than]

Date	Sample start time	3-Hydroxy	Acifluor-	Aldicarb	Aldicarb	Aldicarb,	Atrazine,	Bendio-	Benomyl,	Ben-
		carbo- furan, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49308)	fen, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49315)	sulfone, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49313)	sulfoxide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49314)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49312)		water, filtered, recover- able, µg/L (39632)	carb, water, filtered, recover- able, µg/L (50299)	water, filtered, recover- able, µg/L (50300)
05-16-2011	0835	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06
05-16-2011	0841	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06
08-01-2011	1005	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06
08-01-2011	1011	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06

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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; &lt;, less than]

Date	Sample start time	Bentazon,	Brom-	Carbaryl,	Carbo-	Chlor-	Chlori-	Clopyralid,	Cycloate,	
		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38711)	oxynil, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49311)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49310)	furan, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49309)	amben methyl ester, water, filtered, recover- able, µg/L (61188)		muron- ethyl, water, filtered, recover- able, µg/L (50306)		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49305)
05-16-2011	0835	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04
05-16-2011	0841	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04
08-01-2011	1005	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04
08-01-2011	1011	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04

01423900 DIVERSION FROM CANNONSVILLE RESERVOIR, NY—Continued

**WATER-QUALITY DATA**  
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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than]

Date	Sample start time	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49304)	Dicamba, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38442)	Dichlor-prop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49302)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49301)	Di-phenamid, water, filtered, recoverable, µg/L (04033)	Diuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49300)	Fenuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49297)	Flumetsulam, water, filtered, recoverable, µg/L (61694)	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38811)
05-16-2011	0835	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04
05-16-2011	0841	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04
08-01-2011	1005	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04
08-01-2011	1011	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04

**WATER-QUALITY DATA**  
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[µg/L, micrograms per liter; WB, Untreated water supply; WBQ, QC samp - Untreated water supply; WSQ, QC sample - Surface water; <, less than]

Date	Sample start time	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imazethapyr, water, filtered, recoverable, µg/L (50407)	Imidacloprid, water, filtered, recoverable, µg/L (61695)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38478)	MCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38487)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Methiocarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38501)	Methomyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49296)
05-16-2011	0835	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120
05-16-2011	0841	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120
08-01-2011	1005	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120
08-01-2011	1011	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120

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**WATER-QUALITY DATA**  
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Date	Sample start time	Metsulfuron-methyl, water, filtered, recoverable, µg/L (61697)	N-(4-Chlorophenyl)-N'-methyl-urea, water, filtered, recoverable, µg/L (61692)	Neburon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49294)	Nicosulfuron, water, filtered, recoverable, µg/L (50364)	Norflurazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49293)	Oryzalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49292)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38866)	Picloram, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49291)	Propham, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49236)
05-16-2011	0835	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040
05-16-2011	0841	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040
08-01-2011	1005	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040
08-01-2011	1011	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040

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Date	Sample start time	Propiconazole, water, filtered, recoverable, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38538)	Siduron, water, filtered, recoverable, µg/L (38548)	Sulfometuron-methyl, water, filtered, recoverable, µg/L (50337)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbacil, water, filtered, recoverable, µg/L (04032)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49235)	Caffeine, water, filtered, recoverable, µg/L (50305)
05-16-2011	0835	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080
05-16-2011	0841	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080
08-01-2011	1005	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080
08-01-2011	1011	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080