

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY

Upper Hudson Basin
Middle Hudson Subbasin

LOCATION.--Lat 42°06'52", long 74°21'51" referenced to North American Datum of 1927, Ulster County, NY, Hydrologic Unit 02020006, on left bank at outlet of Shandaken tunnel on Esopus Creek, 70 ft upstream from State Highway 28 bridge, and 3.3 mi northwest of Phoenicia. Water-quality sampling site at discharge station.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1924 to September 1950 and October 1960 to September 1996 (monthly and yearly discharge only), December 1996 to current year. (Prior to October 1950, published in WSP 1302, October 1960 to September 1970, in WSP 2102). Records for October 1950 to September 1960 are unpublished and available in files of the Geological Survey.

REVISED RECORDS.--WDR NY-04-1: 1998-99, 2001, 2003.

GAGE.--Water-stage recorder. Concrete control since May 8, 1998. Datum of gage is 965.7 ft above NGVD of 1929 (from levels by New York State Department of Transportation).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated by Schoharie Reservoir. Stage-discharge relation affected by backwater during high flows along Esopus Creek. Records prior to October 1996 provided by Department of Environmental Protection, City of New York. Satellite gage-height and temperature telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 933 ft³/s, Apr. 22, 23, 24, 25, 1999, gage height, 5.58 ft; maximum gage height, 10.85 ft, Aug. 28, 2011, affected by backwater; minimum discharge, 0.08 ft³/s, part of each day Apr. 20-26, 2001; minimum gage height since concrete control, 1.86 ft, part of each day Apr. 20-26, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 862 ft³/s, June 3, gage height, 5.79 ft; maximum gage height, 10.85 ft, Aug. 28, affected by backwater; minimum discharge, 1.9 ft³/s, Dec. 20, 21, gage height, 2.01 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e4.0	2.7	e20	92	107	117	22	21	21	6.4	228	13
2	e2.5	2.7	e3.5	84	100	108	22	20	21	6.3	229	14
3	2.6	2.8	e3.5	72	88	111	22	21	313	6.8	234	14
4	2.4	3.2	3.5	59	93	113	22	21	816	6.6	233	e13
5	2.4	3.6	3.2	56	108	113	23	21	635	6.5	232	e13
6	2.5	3.4	3.1	46	101	106	23	20	293	6.3	232	e13
7	3.0	3.4	3.0	46	78	32	23	20	220	6.1	231	e13
8	3.3	3.4	2.9	46	61	22	22	20	194	5.8	230	e13
9	3.2	3.4	2.9	47	72	22	22	20	190	54	232	e13
10	3.0	3.4	2.7	58	78	23	22	20	188	130	225	e13
11	2.9	3.3	2.7	68	89	e22	23	20	194	148	218	13
12	2.9	3.3	3.2	71	95	23	23	20	194	163	226	13
13	2.6	3.3	3.2	73	96	23	23	20	192	213	234	13
14	16	3.2	3.0	80	98	22	22	21	207	293	234	14
15	23	3.4	2.8	80	103	22	22	21	271	206	124	14
16	15	3.4	2.4	80	135	22	22	21	285	193	5.2	14
17	15	3.9	2.0	79	196	21	22	21	285	192	4.9	14
18	15	3.4	2.0	78	203	21	22	22	284	195	27	14
19	14	3.3	2.0	72	206	21	22	23	284	202	58	14
20	13	4.0	2.0	64	192	21	22	21	250	214	59	14
21	13	3.8	4.2	61	166	21	21	22	202	215	35	14
22	13	4.0	26	63	182	21	21	22	229	216	55	14
23	13	4.0	27	82	191	21	21	21	335	219	100	15
24	12	3.4	36	87	129	20	21	21	348	219	125	15
25	15	3.3	54	93	104	20	21	21	276	220	148	15
26	26	3.2	53	93	92	20	21	21	140	220	161	14
27	16	3.2	63	97	125	20	21	21	142	218	115	14
28	2.6	3.2	80	106	125	44	21	21	149	217	e13	e14
29	2.6	8.5	85	109	---	78	21	21	85	220	e13	e14
30	2.6	39	87	108	---	90	21	21	6.6	227	e13	e15
31	2.7	---	95	108	---	86	---	21	---	227	e13	---
Total	266.8	142.1	683.8	2,358	3,413	1,426	656	647	7,249.6	4,671.8	4,287.1	413
Mean	8.61	4.74	22.1	76.1	122	46.0	21.9	20.9	242	151	138	13.8
Max	26	39	95	109	206	117	23	23	816	293	234	15
Min	2.4	2.7	2.0	46	61	20	21	20	6.6	5.8	4.9	13

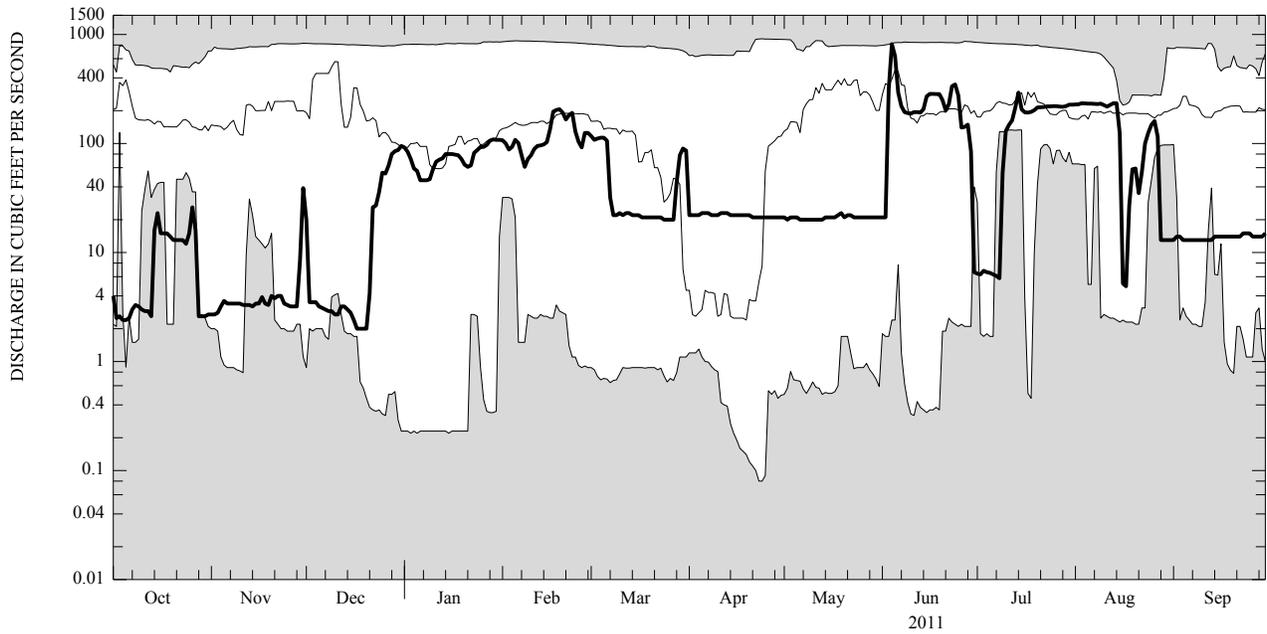
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	201	289	330	162	228	169	158	316	267	262	189	227
Max	501	751	805	825	854	768	656	748	841	794	354	529
(WY)	(2007)	(2007)	(2006)	(2006)	(2006)	(2006)	(2002)	(2006)	(2006)	(2006)	(2006)	(2000)
Min	8.61	4.74	2.95	3.37	18.9	0.86	0.99	7.61	44.1	120	65.9	13.8
(WY)	(2011)	(2011)	(2004)	(2005)	(2008)	(1997)	(1997)	(2004)	(2003)	(2008)	(2003)	(2011)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1997 - 2011	
Annual total	46,636.98		26,214.2			
Annual mean	128		71.8		240	
Highest annual mean					643	2006
Lowest annual mean					71.8	2011
Highest daily mean	770	Jun 5	816	Jun 4	913	Apr 24, 1999
Lowest daily mean	0.85	Apr 15	2.0	Dec 17	0.08	Apr 23, 2001
Annual seven-day minimum	0.97	Apr 11	2.3	Dec 14	0.10	Apr 19, 2001
10 percent exceeds	261		218		702	
50 percent exceeds	92		22		168	
90 percent exceeds	2.0		3.2		2.6	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

PESTICIDE DATA: 1999-2011 (b).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1997 to current year.

INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings.

REMARKS.--Temperature readings prior to Oct. 1, 2007, rounded to nearest 0.5°C. 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Prior to Oct. 1, 2007--Maximum, 25.5°C, Aug. 4, 5, 2006; minimum (water years 1998-99, 2002-07), 0.0°C, Jan. 19, 1999, and may have also occurred during period of missing record January 1999.

WATER TEMPERATURE: After Oct. 1, 2007--Maximum recorded, 23.5°C, Aug. 7, 2010, but may have been higher during period of instrument malfunction; minimum, 1.1°C, Mar. 4, 2008.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.0°C, Aug. 13, 15; minimum, 1.2°C, Feb. 19.

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

Part 1 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Medium code	Sampling method (82398)	1-	2,6-	2-Chloro-	2-Chloro-4-	2-Ethyl-6-	3,4-
				Naphthol, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49295)	Diethyl- aniline, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82660)	2'-6'- diethyl- acetanil- ide, water, filtered, recover- able, µg/L (61618)	isopropyl- amino-6- triazine, water, filtered, recover- able, µg/L (04040)	methyl- aniline, water, filtered, recover- able, µg/L (61620)	Dichloro- aniline, water, filtered, recover- able, µg/L (61625)
05-24-2011	1130	WB	Grab smp tap wat sup	< .036	< .006	< .010	< .006	< .010	< .004
07-18-2011	0930	WB	Weighted bottle	< .036	< .006	< .010	E .012	< .010	< .004
09-28-2011	1030	WB	Grab smp tap wat sup	< .036	< .006	< .010	E .005	< .010	< .004

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	4-Chloro-2-methyl-phenol, water, filtered, recoverable,	Aceto-chlor, water, filtered, recoverable,	Alachlor, water, filtered, recoverable,	Atrazine, water, filtered, recoverable,	Azinphos-methyl oxygen analog, water, filtered, recoverable,	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable,	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable,	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable,
		µg/L (61633)	µg/L (49260)	µg/L (46342)	µg/L (39632)	µg/L (61635)	µg/L (82686)	µg/L (82673)	µg/L (82680)
05-24-2011	1130	< .005	< .010	< .008	< .008	< .04	< .120	< .014	< .060
07-18-2011	0930	< .005	< .010	< .008	.011	< .04	< .120	< .014	< .060
09-28-2011	1030	< .005	< .010	< .008	< .008	< .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; <, less than; E, estimated]

Date	Sample start time	Chlorpyrifos oxygen analog, water, filtered, recoverable,	Chlorpyrifos, water, filtered, recoverable,	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable,	Cyfluthrin, water, filtered, recoverable,	Cypermethrin, water, filtered, recoverable,	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable,	Desulfinyl-fipronil amide, water, filtered, recoverable,	Desulfinyl-fipronil, water, filtered, recoverable,	Diazinon, water, filtered, recoverable,
		µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (61585)	µg/L (61586)	µg/L (82682)	µg/L (62169)	µg/L (62170)	µg/L (39572)
05-24-2011	1130	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
07-18-2011	0930	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
09-28-2011	1030	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Dichloro-	Dicroto-	Dieldrin,	Dimetho-	Ethion	Ethion,	Fenami-	Fenami-	Fenami-
		vos, water, filtered, recover- able, µg/L (38775)	phos, water, filtered, recover- able, µg/L (38454)	water, filtered, recover- able, µg/L (39381)	ate, water, filtered, (0.7 micron glass fiber filter), recover- able, µg/L (82662)	monoxon, water, filtered, recover- able, µg/L (61644)	water, filtered, recover- able, µg/L (82346)	sulfone, water, filtered, recover- able, µg/L (61645)	sulfoxide, water, filtered, recover- able, µg/L (61646)	phos, water, filtered, recover- able, µg/L (61591)
05-24-2011	1130	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
07-18-2011	0930	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
09-28-2011	1030	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Fipronil	Fipronil	Fipronil,	Fonofos,	Hexa-	Iprodione,	Isofen-	Malaoxon,	Malathion,
		sulfide, water, filtered, recover- able, µg/L (62167)	sulfone, water, filtered, recover- able, µg/L (62168)	water, filtered, recover- able, µg/L (62166)	water, filtered, recover- able, µg/L (04095)	zinone, water, filtered, recover- able, µg/L (04025)	water, filtered, recover- able, µg/L (61593)	phos, water, filtered, recover- able, µg/L (61594)	water, filtered, recover- able, µg/L (61652)	water, filtered, recover- able, µg/L (39532)
05-24-2011	1130	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
07-18-2011	0930	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
09-28-2011	1030	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Metalaxyl,	Methida-	Methyl	Methyl	Metola-	Metri-	Myclo-	Pendi-	Phorate
		water, filtered, recover- able, µg/L (61596)	thion, water, filtered, recover- able, µg/L (61598)	paraoxon, water, filtered, recover- able, µg/L (61664)	parathion, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82667)	chlor, water, filtered, recover- able, µg/L (39415)	buzin, water, filtered, recover- able, µg/L (82630)	butanil, water, filtered, recover- able, µg/L (61599)	methalin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82683)	oxygen analog, water, filtered, recover- able, µg/L (61666)
05-24-2011	1130	< .014	< .012	< .01	< .008	.006	< .012	< .010	< .012	< .03
07-18-2011	0930	< .014	< .012	< .01	< .008	.011	< .012	< .010	< .012	< .03
09-28-2011	1030	< .014	< .012	< .01	< .008	.005	< .012	< .010	< .012	< .03

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Phorate,	Phosmet	Phosmet,	Prometon,	Prometryn,	Propyz-	Simazine,	Tebu-	Terbufos
		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82664)	oxygen analog, water, filtered, recover- able, µg/L (61668)	water, filtered, recover- able, µg/L (61601)	water, filtered, recover- able, µg/L (04037)	water, filtered, recover- able, µg/L (04036)	amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	water, filtered, recover- able, µg/L (04035)	thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	oxygen analog sulfone, water, filtered, recover- able, µg/L (61674)
05-24-2011	1130	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
07-18-2011	0930	< .020	< .05	< .140	.009	< .006	< .004	< .006	< .03	< .04
09-28-2011	1030	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Terbufos,	Terbuthyl-	Tribuphos,	Trifluralin,
		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)	azine, water, filtered, recover- able, µg/L (04022)	water, filtered, recover- able, µg/L (61610)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)
05-24-2011	1130	< .02	< .01	< .018	< .018
07-18-2011	0930	< .02	< .01	< .018	< .018
09-28-2011	1030	< .02	< .01	< .018	< .018

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
07-18-2011	0935	WB	Weighted bottle	< .200	< .06	< .02	< .06	< .06	.016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	3-Hydroxy carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49308)	Acifluor-fen, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49315)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49312)	Atrazine, water, filtered, recoverable, µg/L (39632)	Bendio-carb, water, filtered, recoverable, µg/L (50299)	Benomyl, water, filtered, recoverable, µg/L (50300)	Ben-sulfuron-methyl, water, filtered, recoverable, µg/L (61693)
07-18-2011	0935	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)	Bromacil, water, filtered, recoverable, µg/L (04029)	Brom-oxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49311)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)	Carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)	Chlor-amben methyl ester, water, filtered, recoverable, µg/L (61188)	Chlori-muron-ethyl, water, filtered, recoverable, µg/L (50306)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49305)	Cycloate, water, filtered, recoverable, µg/L (04031)
07-18-2011	0935	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04

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WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)	Dichloroprop, 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)
07-18-2011	0935	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
07-18-2011	0935	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

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)
07-18-2011	0935	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040

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Part 7 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

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)
07-18-2011	0935	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	18.6	16.6	17.1	12.1	11.2	11.4	7.8	6.5	6.9	3.8	3.7	3.8
2	17.0	16.0	16.4	12.6	11.3	11.5	8.0	7.3	7.8	3.8	3.7	3.8
3	16.7	15.7	16.0	12.3	11.2	11.4	8.3	7.9	8.1	4.0	3.7	3.9
4	15.8	15.4	15.6	11.5	11.3	11.4	8.4	8.1	8.2	4.1	4.0	4.0
5	15.5	15.3	15.4	11.8	11.3	11.4	8.4	8.2	8.3	4.0	3.9	4.0
6	15.8	15.1	15.3	11.6	11.3	11.3	8.4	8.2	8.3	4.0	3.9	4.0
7	15.5	15.0	15.1	12.1	11.1	11.3	8.4	8.3	8.3	4.0	3.9	4.0
8	15.5	14.9	15.0	11.1	10.7	11.0	8.6	8.3	8.3	4.1	3.9	4.0
9	15.3	14.7	14.9	12.2	11.0	11.2	8.6	8.2	8.3	4.2	4.0	4.1
10	15.2	14.5	14.7	12.1	10.8	11.1	8.4	8.2	8.3	4.1	3.9	4.1
11	15.0	14.5	14.6	12.1	10.6	11.0	8.9	8.4	8.5	4.0	3.8	3.9
12	14.8	14.1	14.4	11.9	10.5	10.8	8.7	8.4	8.6	3.8	3.7	3.7
13	15.0	13.9	14.2	11.6	10.4	10.7	8.7	8.3	8.5	3.7	3.7	3.7
14	14.1	12.7	13.6	11.3	10.3	10.5	8.5	8.2	8.3	3.7	3.6	3.7
15	12.7	12.3	12.5	10.7	10.4	10.5	8.4	8.2	8.3	3.7	3.7	3.7
16	12.6	12.1	12.3	10.5	10.3	10.4	8.7	8.2	8.3	3.7	3.6	3.7
17	12.4	12.0	12.2	10.6	10.1	10.3	8.7	8.2	8.4	3.7	3.6	3.6
18	12.0	11.3	11.6	10.5	10.0	10.2	8.9	8.4	8.5	3.6	3.5	3.6
19	11.3	11.0	11.2	10.9	9.8	10.1	8.9	8.3	8.5	3.6	3.5	3.5
20	11.5	11.1	11.3	10.6	9.7	9.9	8.8	8.4	8.5	3.7	3.6	3.7
21	11.6	11.1	11.3	10.3	9.6	9.7	8.9	7.5	8.5	3.8	3.7	3.7
22	11.1	10.8	10.9	10.5	9.6	9.9	7.5	5.6	6.3	3.7	3.5	3.6
23	10.9	10.7	10.8	10.1	9.6	9.8	5.6	5.0	5.3	3.6	3.4	3.5
24	10.9	10.7	10.8	10.2	9.5	9.6	5.1	4.6	4.9	3.5	3.4	3.5
25	10.8	9.8	10.6	9.7	9.5	9.5	4.6	4.2	4.4	3.4	3.2	3.3
26	10.4	9.8	10.1	9.9	9.5	9.6	4.3	4.2	4.3	3.4	3.2	3.3
27	10.9	10.4	10.6	9.5	9.4	9.5	4.2	3.9	4.1	3.4	3.2	3.3
28	12.0	10.9	11.3	9.7	9.3	9.4	4.0	3.8	3.9	3.3	3.2	3.2
29	11.7	11.2	11.3	9.9	7.7	9.2	3.9	3.8	3.8	3.2	3.1	3.2
30	11.9	11.2	11.4	7.7	6.1	6.5	3.9	3.8	3.8	3.2	3.1	3.2
31	11.5	11.2	11.4	---	---	---	3.9	3.8	3.8	3.2	3.1	3.2
Month	18.6	9.8	13.0	12.6	6.1	10.3	8.9	3.8	7.0	4.2	3.1	3.7

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3.2	3.1	3.1	2.5	2.0	2.2	3.8	3.6	3.7	7.8	6.9	7.1
2	3.2	3.1	3.1	2.9	2.5	2.7	4.0	3.8	3.9	8.1	7.1	7.4
3	3.2	3.1	3.2	2.7	2.5	2.6	4.2	3.9	4.0	7.4	7.1	7.2
4	3.3	3.1	3.2	2.5	2.1	2.4	4.0	3.9	4.0	7.9	7.3	7.5
5	3.1	3.0	3.0	2.5	2.3	2.4	4.0	3.9	4.0	7.8	7.1	7.4
6	3.2	3.0	3.0	2.5	2.1	2.3	4.2	3.9	4.0	8.0	7.5	7.7
7	3.4	3.1	3.2	2.7	2.4	2.5	4.5	3.9	4.2	8.5	7.4	7.9
8	3.6	3.4	3.5	2.4	1.7	1.9	4.6	4.4	4.5	8.3	7.4	7.7
9	3.4	3.1	3.2	2.9	1.7	2.5	4.8	4.5	4.6	8.3	7.5	7.8
10	3.2	3.1	3.2	3.1	2.9	3.1	4.8	4.6	4.6	8.5	7.5	7.9
11	3.1	3.1	3.1	3.2	2.4	3.0	4.8	4.4	4.6	8.6	7.8	8.2
12	3.1	3.0	3.0	3.2	2.3	2.8	5.1	4.4	4.7	8.7	7.8	8.1
13	3.0	3.0	3.0	2.6	2.3	2.5	5.0	4.8	4.9	8.3	7.9	8.1
14	3.1	2.9	3.0	2.6	2.4	2.5	5.2	4.8	5.0	8.4	7.9	8.1
15	2.9	2.7	2.8	2.7	2.5	2.6	5.2	5.0	5.1	8.1	7.9	8.0
16	3.0	2.0	2.7	2.7	2.5	2.6	5.5	5.1	5.4	8.3	8.0	8.2
17	2.0	1.7	1.8	2.8	2.5	2.6	5.6	5.1	5.3	8.4	7.9	8.1
18	1.8	1.5	1.7	3.7	2.8	3.2	5.5	5.0	5.2	8.4	8.0	8.2
19	1.8	1.2	1.4	4.0	3.7	3.8	5.7	5.5	5.6	8.4	8.0	8.1
20	2.4	1.8	2.2	4.3	3.9	4.1	6.0	5.7	5.8	8.5	8.0	8.3
21	2.6	2.2	2.4	4.3	4.1	4.2	6.1	5.9	5.9	8.8	8.1	8.3
22	2.5	1.9	2.3	4.2	4.0	4.0	6.1	5.9	6.0	8.4	8.1	8.2
23	2.1	1.8	1.8	4.0	3.8	3.9	6.4	6.0	6.2	8.6	8.1	8.3
24	2.6	2.1	2.4	3.9	3.7	3.8	6.5	6.2	6.3	8.7	8.2	8.4
25	2.5	2.2	2.3	3.9	3.7	3.7	6.4	6.2	6.3	9.1	8.2	8.6
26	3.0	2.0	2.6	3.8	3.6	3.7	6.4	6.2	6.3	8.5	8.2	8.3
27	2.3	2.0	2.2	3.9	3.6	3.7	6.5	6.2	6.3	8.8	8.5	8.6
28	2.3	2.0	2.2	3.8	3.4	3.6	6.6	6.5	6.5	8.8	8.2	8.5
29	---	---	---	3.5	3.3	3.4	6.8	6.5	6.6	8.7	8.1	8.4
30	---	---	---	3.5	3.4	3.4	7.0	6.8	6.9	9.2	8.3	8.7
31	---	---	---	3.6	3.3	3.4	---	---	---	9.1	8.3	8.6
Month	3.6	1.2	2.7	4.3	1.7	3.1	7.0	3.6	5.2	9.2	6.9	8.1

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	9.1	8.5	8.8	12.0	11.6	11.7	17.3	14.0	16.4	16.0	15.9	16.0
2	8.9	8.4	8.5	12.3	11.5	11.7	17.9	15.6	17.0	15.9	15.8	15.8
3	12.9	8.6	9.7	11.6	11.2	11.4	18.0	14.4	16.6	15.8	15.7	15.7
4	13.3	10.0	12.0	11.7	10.9	11.1	17.1	15.1	16.5	15.7	15.6	15.7
5	12.8	10.9	11.8	11.5	10.6	10.9	18.4	16.4	17.7	15.7	15.6	15.6
6	11.2	10.3	10.6	11.6	10.6	10.8	17.6	16.3	17.0	15.6	15.6	15.6
7	11.5	9.4	10.7	12.2	10.6	11.0	18.4	17.1	17.7	15.6	15.1	15.5
8	11.1	9.1	9.9	11.4	10.7	10.9	18.6	17.3	18.1	15.6	15.4	15.5
9	11.7	9.5	10.6	14.2	10.1	11.3	18.6	15.6	17.5	15.5	15.1	15.4
10	11.2	9.2	10.1	15.2	10.0	13.0	18.7	16.5	17.6	15.2	14.9	15.0
11	12.1	8.5	10.5	14.4	10.2	12.8	19.9	17.4	18.5	14.9	14.8	14.9
12	11.8	8.8	10.4	15.1	13.0	14.0	19.6	16.0	17.9	14.9	14.8	14.9
13	12.0	9.7	11.2	15.7	12.9	14.3	20.0	16.7	18.4	14.9	14.8	14.8
14	11.5	9.3	10.3	16.3	10.8	14.4	19.3	17.3	18.3	14.8	14.8	14.8
15	12.9	9.7	11.5	15.8	10.4	14.0	20.0	17.5	18.8	14.8	14.7	14.8
16	12.7	9.0	11.2	15.7	12.2	14.6	17.5	16.6	17.0	14.8	14.7	14.7
17	13.0	10.6	11.6	15.9	13.4	15.0	17.1	16.3	16.6	14.7	14.6	14.7
18	13.6	10.8	12.5	16.2	13.6	14.9	17.6	15.2	16.4	14.7	14.5	14.6
19	13.5	9.3	11.5	15.9	13.6	15.3	17.4	15.2	16.6	14.6	14.4	14.5
20	13.9	10.0	12.4	16.6	13.8	15.5	17.6	15.6	16.9	14.4	14.2	14.3
21	13.4	9.3	11.4	16.5	13.8	15.4	17.2	15.9	16.6	14.2	14.1	14.1
22	13.5	10.1	12.1	17.0	12.0	15.2	17.1	15.8	16.4	14.1	14.0	14.1
23	14.2	10.8	13.0	17.0	14.1	15.5	18.5	16.1	17.2	14.2	14.0	14.1
24	14.4	12.4	13.1	16.7	14.1	15.8	18.5	15.7	16.9	14.2	14.2	14.2
25	15.6	11.0	13.1	16.8	14.7	15.8	19.1	16.1	17.8	14.3	14.2	14.3
26	14.0	11.5	12.7	16.8	14.5	15.9	18.4	16.6	17.5	14.3	14.3	14.3
27	14.4	10.5	12.7	17.3	15.2	16.5	18.4	17.8	18.1	14.3	14.2	14.3
28	14.2	10.8	12.7	17.0	14.4	15.9	17.8	15.8	16.8	14.3	14.3	14.3
29	14.0	11.9	12.5	16.9	14.4	16.1	16.8	16.1	16.5	14.4	14.3	14.3
30	12.3	11.6	11.8	17.6	14.9	16.6	16.5	16.2	16.4	14.6	14.3	14.4
31	---	---	---	17.7	13.1	15.9	16.2	16.0	16.1	---	---	---
Month	15.6	8.4	11.4	17.7	10.0	14.0	20.0	14.0	17.2	16.0	14.0	14.8

	Max	Min	Mean
Year	20.0	1.2	9.2