

01374995 NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON, NY

Lower Hudson Basin
Lower Hudson Subbasin

LOCATION.--Lat 41°13'39", long 73°51'27" referenced to North American Datum of 1927, Westchester County, NY, Hydrologic Unit 02030101, near Croton Dam Road, near Croton-on-Hudson.

DRAINAGE AREA.--378 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

PESTICIDE DATA: 1999-2001 (b), 2002 (c), 2003-04 (b), 2005-08 (c), 2009-11 (b).

REMARKS.--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.

**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-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)
05-03-2011	0830	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .006	<.010	<.004
06-09-2011	1000	WB	Grab smp tap wat sup	<.036	<.006	<.010	<.006	<.010	<.004
07-26-2011	0800	WB	Grab smp tap wat sup	<.036	<.006	<.010	<.006	<.010	<.004
09-27-2011	0830	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .005	<.010	<.004

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WATER-QUALITY DATA
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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, 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)
05-03-2011	0830	< .005	< .010	< .008	.005	< .04	< .120	< .014	< .060
06-09-2011	1000	< .005	< .010	< .008	.006	< .04	< .120	< .014	< .060
07-26-2011	0800	< .005	< .010	< .008	< .008	< .04	< .120	< .014	< .060
09-27-2011	0830	< .005	< .010	< .008	.005	< .04	< .120	< .014	< .060

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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, 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)
05-03-2011	0830	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
06-09-2011	1000	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
07-26-2011	0800	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
09-27-2011	0830	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
05-03-2011	0830	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
06-09-2011	1000	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
07-26-2011	0800	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
09-27-2011	0830	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03

WATER-QUALITY DATA
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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
05-03-2011	0830	< .012	< .024	E .002	< .005	< .008	< .014	< .006	< .022	< .016
06-09-2011	1000	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
07-26-2011	0800	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
09-27-2011	0830	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016

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

Date	Sample start time	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), 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 (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)
					µg/L (82667)				µg/L (82683)	
05-03-2011	0830	< .014	< .012	< .01	< .008	< .020	< .012	.007	< .012	< .03
06-09-2011	1000	< .014	< .012	< .01	< .008	< .020	< .012	.007	< .012	< .03
07-26-2011	0800	< .014	< .012	< .01	< .008	< .020	< .012	< .010	< .012	< .03
09-27-2011	0830	< .014	< .012	< .01	< .008	< .020	< .012	< .010	< .012	< .03

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

Date	Sample start time	Phorate, water, filtered (0.7 micron glass fiber filter), 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 (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)
							µg/L (82676)		µg/L (82670)	
05-03-2011	0830	< .020	< .05	< .140	.007	< .006	< .004	< .006	< .03	< .04
06-09-2011	1000	< .020	< .05	< .140	.006	< .006	< .004	< .006	< .03	< .04
07-26-2011	0800	< .020	< .05	< .140	E .005	< .006	< .004	< .006	< .03	< .04
09-27-2011	0830	< .020	< .05	< .140	.005	< .006	< .004	< .006	< .03	< .04

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
05-03-2011	0830	< .02	< .01	< .018	< .018
06-09-2011	1000	< .02	< .01	< .018	< .018
07-26-2011	0800	< .02	< .01	< .018	< .018
09-27-2011	0830	< .02	< .01	< .018	< .018

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[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)
05-03-2011	0835	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060
06-09-2011	1005	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	.018
07-26-2011	0805	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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 (50299)	carb, water, filtered, recover- able, µg/L (50300)	water, filtered, recover- able, µg/L (50300)
05-03-2011	0835	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06
06-09-2011	1005	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06
07-26-2011	0805	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06

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[µg/L, micrograms per liter; WB, Untreated water supply; <, 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)
05-03-2011	0835	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04
06-09-2011	1005	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04
07-26-2011	0805	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04

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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)	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)
05-03-2011	0835	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04
06-09-2011	1005	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04
07-26-2011	0805	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04

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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)
05-03-2011	0835	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120
06-09-2011	1005	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120
07-26-2011	0805	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120

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

Date	Sample start time	Metsulfuron-methyl, water, filtered, recoverable,	N-(4-Chlorophenyl)-N'-methyl-urea, water, filtered, recoverable,	Neburon, water, filtered (0.7 micron glass fiber filter), recoverable,	Nicosulfuron, water, filtered, recoverable,	Norflurazon, water, filtered (0.7 micron glass fiber filter), recoverable,	Oryzalin, water, filtered (0.7 micron glass fiber filter), recoverable,	Oxamyl, water, filtered (0.7 micron glass fiber filter), recoverable,	Picloram, water, filtered (0.7 micron glass fiber filter), recoverable,	Propham, water, filtered (0.7 micron glass fiber filter), recoverable,
		µg/L (61697)	µg/L (61692)	µg/L (49294)	µg/L (50364)	µg/L (49293)	µg/L (49292)	µg/L (38866)	µg/L (49291)	µg/L (49236)
05-03-2011	0835	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040
06-09-2011	1005	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040
07-26-2011	0805	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040

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

Date	Sample start time	Propiconazole, water, filtered, recoverable,	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable,	Siduron, water, filtered, recoverable,	Sulfometuron-methyl, water, filtered, recoverable,	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable,	Terbacil, water, filtered, recoverable,	Triclopyr, water, filtered (0.7 micron glass fiber filter), recoverable,	Caffeine, water, filtered, recoverable,
		µg/L (50471)	µg/L (38538)	µg/L (38548)	µg/L (50337)	µg/L (82670)	µg/L (04032)	µg/L (49235)	µg/L (50305)
05-03-2011	0835	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080
06-09-2011	1005	< .04	< .060	< .04	< .060	< .060	< .040	< .08	.028
07-26-2011	0805	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080