



Water-Data Report 2010

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), 2009-10 (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 compound can be presented.

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

Part 1 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

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-amino-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)
05-04-2010	1100	WB	Grab smp tap wat sup	< .04	< .006	< .010	< .014	< .010	< .004
06-16-2010	0830	WB	Grab smp tap wat sup	< .04	< .006	< .010	E .007	< .010	< .004
07-13-2010	1230	WB	Grab smp tap wat sup	< .04	< .006	< .010	< .014	< .010	< .004
09-15-2010	1000	WB	Grab smp tap wat sup	< .04	< .006	< .010	< .014	< .010	< .004

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	4-Chloro-2-	Aceto-	Alachlor,	Atrazine,	Azinphos-	Azinphos-	Benfluralin,	Carbaryl,	Chlorpyrifos
	methyl-phenol, water, filtered, recoverable, µg/L (61633)	chlor, water, filtered, recoverable, µg/L (49260)	water, filtered, recoverable, µg/L (46342)	water, filtered, recoverable, µg/L (39632)	methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	oxygen analog, water, filtered, recoverable, µg/L (61636)
05-04-2010	< .003	< .010	< .008	< .007	< .04	< .120	< .014	< .060	< .05
06-16-2010	< .003	< .010	< .008	E .007	< .04	< .120	< .014	< .060	< .05
07-13-2010	< .003	< .010	< .008	< .007	< .04	< .120	< .014	< .060	< .05
09-15-2010	< .003	< .010	< .008	E .006	< .04	< .120	< .014	< .060	< .05

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)
	05-04-2010	< .010	< .014	< .016	< .020	< .008	< .029	< .012	< .005	< .02
06-16-2010	< .010	< .014	< .016	< .020	< .008	< .029	< .012	< .005	< .02	< .08
07-13-2010	< .010	< .014	< .016	< .020	< .008	< .029	< .012	< .005	< .02	< .08
09-15-2010	< .010	< .014	< .016	< .020	< .008	< .029	< .012	< .005	< .02	< .08

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	Diethrin, water, filtered, recover- able, µg/L (39381)	Dimetho- ate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82662)	Ethion monoxon, water, filtered, recover- able, µg/L (61644)	Ethion, water, filtered, recover- able, µg/L (82346)	Fenami- phos sulfone, water, filtered, recover- able, µg/L (61645)	Fenami- phos sulfoxide, water, filtered, recover- able, µg/L (61646)	Fenami- 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)
	05-04-2010	< .009	< .006	< .02	< .008	< .053	< .08	< .03	< .013	< .024
06-16-2010	< .009	< .006	< .02	< .008	< .053	< .08	< .03	< .013	< .024	< .018
07-13-2010	< .009	< .006	< .02	< .008	< .053	< .08	< .03	< .013	< .040	< .018
09-15-2010	< .009	< .006	< .02	< .008	< .053	< .08	< .03	< .013	< .024	< .018

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Isofen- phos, water, filtered, recover- able, µg/L (61594)	Malaoxon, water, filtered, recover- able, µg/L (61652)	Malathion, water, filtered, recover- able, µg/L (39532)	Metalaxyl, water, filtered, recover- able, µg/L (61596)	Methida- thion, water, filtered, recover- able, µg/L (61598)	Methyl paraoxon, water, filtered, recover- able, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82667)
	05-04-2010	< .004	< .008	< .014	< .006	< .080	< .016	< .007	< .006	< .01
06-16-2010	< .004	< .008	< .014	< .006	< .080	< .016	< .007	< .006	< .01	< .008
07-13-2010	< .004	< .008	< .014	< .006	< .080	< .016	< .007	< .006	< .01	< .008
09-15-2010	< .004	< .008	< .014	< .006	< .080	< .016	< .007	< .006	< .01	< .008

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Myclobutanil, 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)	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)
	05-04-2010	< .014	< .012	< .010	< .012	< .03	< .020	< .05	< .034	M
06-16-2010	< .014	< .012	< .010	< .012	< .03	< .020	< .05	< .034	E .01	< .006
07-13-2010	< .014	< .012	< .010	< .012	< .03	< .020	< .05	< .034	M	< .006
09-15-2010	E .007	< .012	< .010	< .012	< .03	< .020	< .05	< .034	E .01	< .006

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[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated; M, presence verified but not quantified]

Date	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 sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthyl- azine, 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)
	05-04-2010	< .004	E .006	< .03	< .04	< .02	< .01	< .018
06-16-2010	< .004	.012	< .03	< .04	< .02	< .01	< .018	< .018
07-13-2010	< .004	< .006	< .03	< .04	< .02	< .01	< .018	< .018
09-15-2010	< .004	E .006	< .03	< .04	< .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)
05-04-2010	1105	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060
06-16-2010	0835	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060
07-13-2010	1235	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	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)	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)
05-04-2010	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06	< .06
06-16-2010	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06	< .06
07-13-2010	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06	< .06

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

Date	Bromacil, water, filtered, recover- able, µg/L (04029)	Brom-oxynil, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49311)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49310)	Carbo- furan, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49309)	Chlor- amben methyl ester, water, filtered, recover- able, µg/L (61188)	Chlori- muron- ethyl, water, filtered, recover- able, µg/L (50306)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49305)	Cycloate, water, filtered, recover- able, µg/L (04031)	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49304)	Dicamba, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38442)
05-04-2010	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04	< .04	< .04
06-16-2010	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04	< .04	< .04
07-13-2010	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04	< .04	< .04

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

Date	Dichlor- prop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49302)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49301)	Di- phenamid, water, filtered, recover- able, µg/L (04033)	Diuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49300)	Fenuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49297)	Flumet- sulam, water, filtered, recover- able, µg/L (61694)	Fluome- turon, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38811)	Imazaquin, water, filtered, recover- able, µg/L (50356)	Imaze- thapyr, water, filtered, recover- able, µg/L (50407)	Imi- dacroprid, water, filtered, recover- able, µg/L (61695)
05-04-2010	< .04	< .04	< .04	< .04	< .06	< .06	< .04	< .06	< .06	< .060
06-16-2010	< .04	< .04	< .04	< .04	< .06	< .06	< .04	< .06	< .06	< .060
07-13-2010	< .04	< .04	< .04	< .04	< .06	< .06	< .04	< .06	< .06	< .060

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

Date	Linuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38478)	MCPA, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38487)	Metalaxyl, water, filtered, recover- able, µg/L (50359)	Methio- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38501)	Methomyl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49296)	Metsul- furon- methyl, water, filtered, recover- able, µg/L (61697)	N-(4- Chloro- phenyl)- N'-methyl- urea, water, filtered, recover- able, µg/L (61692)	Neburon, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49294)	Nico- sulfuron, water, filtered, recover- able, µg/L (50364)
05-04-2010	< .04	< .04	< .20	< .04	< .040	< .120	< .14	< .06	< .02	< .10
06-16-2010	< .04	< .04	< .20	< .04	< .040	< .120	< .14	< .06	< .02	< .10
07-13-2010	< .04	< .04	< .20	< .04	< .040	< .120	< .14	< .06	< .02	< .10

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

Date	Nor- flurazon, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49293)	Oryzalin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49292)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38866)	Picloram, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49291)	Propham, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49236)	Propicon- azole, water, filtered, recover- able, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38538)	Siduron, water, filtered, recover- able, µg/L (38548)	Sulfo- meturon- methyl, water, filtered, recover- able, µg/L (50337)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)
05-04-2010	< .04	< .04	< .12	< .12	< .040	< .04	< .060	< .04	< .060	< .060
06-16-2010	< .04	< .04	< .12	< .12	< .040	< .04	< .060	< .04	< .060	< .060
07-13-2010	< .04	< .04	< .12	< .12	< .040	< .04	< .060	< .04	< .060	< .060

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[µg/L, micrograms per liter; WB, Untreated water
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Date	Terbacil, water, filtered, recover- able, µg/L (04032)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49235)	Caffeine, water, filtered, recover- able, µg/L (50305)
05-04-2010	< .040	< .08	< .080
06-16-2010	< .040	< .08	< .080
07-13-2010	< .040	< .08	< .080