



**Environmental
Protection**

*Caswell F. Holloway
Commissioner*

Paul V. Rush, P.E.
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Bureau of Water Supply
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July 10, 2011

Deborah B. Zwany
U.S. Attorney's Office
USAO File No: 9701387
Civil Division
271 Cadman Plaza East
Brooklyn, New York 11201

Chief, Environmental Enforcement Section
Ref. #90-5-1-1-4429
U.S. Department of Justice -EES
P.O. Box 7611, Ben Franklin Station
Washington, D.C. 20044

United States Environmental Protection Agency
Region 2, Water Compliance Branch
Attn: Douglas McKenna
Public Water Supply Enforcement Team
290 Broadway, 20th Floor
New York, New York 10007-1866

Deputy Bureau Chief, Environmental Protection Bureau
New York State Attorney General's Office
120 Broadway
New York, New York 10271

Pamela L Young, Ph. D.
New York State Department of Health
Bureau of Water Supply Protection
Flanigan Square
547 River Street
Room 400, 4th Floor
Troy, New York 12180-2216

RE: Croton Water System Consent Decree Monitoring Report: **June 2011**

Dear Sirs/Madam:

Pursuant to the terms of the December 17, 1997 Consent Decree on Croton, the following monthly monitoring information, summarized below, has been enclosed for your review.

Stream and Limnology data has been combined and reported under the heading "Stream Monitoring".

There was no Croton water in NYC distribution this month.

1. *Raw Water Fecal Coliform Concentrations* (Section 141.71 (a)(1)) (Section 141.74 (b)(1)): **Requirements met.** There was no Croton water in NYC distribution this month.

2. *Raw Water Turbidity* (Section 141.71(a)(2)) (Section 141.74 (b)(2)): **Requirements met.** There was no Croton water in NYC distribution this month.

3. *Raw Water Disinfection/CT Values* (Section 141.71(b)(1)(I)) (Section 141.74 (b)(3) and (4)): **Requirements met.** There was no Croton water in NYC distribution this month.

4. *Entry Point Chlorine Residual* (Section 141.72(a)(3)) (Section 141.74 (b)(5)): **Requirements met.** There was no Croton water in NYC distribution this month.

5. *Distribution System Disinfection Residuals* (Section 141.72(a)(4)) (Section 141.74 (b)(6)): **Requirements met.** There was no Croton water in NYC distribution this month.

6. *Trihalomethane Monitoring* (Section 141.71(b)(6)) / *HAA5 Monitoring* (Section 141.171): **Requirements met.** Results for the second quarter of 2011 were included in the Report dated June 10, 2011 (for the May 2011 reporting period).

7. *Total Coliform Monitoring* (Section 141.71(b)(5)): **Requirements met.** There was no Croton water in NYC distribution this month.

8. *New Croton Reservoir and Jerome Park Reservoir Operations:*
There was no Croton water in NYC distribution this month.

9. *Source Water Pathogen Monitoring* (Decree item VII.A.1): Weekly monitoring at New Croton Reservoir Effluent (CROGH, or alternate) including human enteric viruses. *Giardia* were detected in three (3) samples. *Cryptosporidium* were not detected. Virus data are pending.

10. *Watershed Pathogen Monitoring* (Decree item VII.A.1):

a) Monitoring monthly for *Giardia* and *Cryptosporidium* and annual for human enteric viruses at:

Muscoot Reservoir	Pathogens detected No virus sample required.
Croton Falls	No pathogen sample required No virus sample required.
Cross River	No pathogen sample required No virus sample required.
Haviland Hollow Site 7 (HH7)	Pathogens detected No virus sample required.
Willow Farm (WF)	Pathogens detected No virus sample required.

b) Monitoring monthly for *Giardia* and *Cryptosporidium* and bi-monthly for human enteric viruses at:

Downstream from Brewster Sewage Treatment Plant:

No pathogens detected
No virus sample required.

Stream Monitoring: Stream and release monitoring in June 2011 consisted of East of Hudson Field Operations sampling 40 stream and release sites in the Croton watershed for coliform bacteria. Of these sites, 7 were reservoir release sites and 33 were stream sites. Reservoir sampling was completed on 12 reservoirs and 3 controlled lakes in the Croton watershed in June. In comparison with NYS Ambient Water Quality Standards in 6NYCRR§703.4 for coliform bacteria, twenty five (25) samples showed elevated total coliform bacteria and twenty two (22) samples showed elevated fecal coliform bacteria levels.

Please feel free to contact me at (845) 340-7701 if you would like to discuss any of this information in greater detail.

CERTIFICATION

I certify, under penalty of law, that the information contained in or accompanying this submission is true, accurate and complete based upon the representations as to accuracy and completeness made to me either orally or through submission of documentation by appropriate personnel with responsibility for the matters contained herein.



Steven C. Schindler
Director, Water Quality

Enclosure

xc: Mr. Philip Sweeney, USEPA
Mr. C. Boyd, NYCDOHMH
Mr. K. Kosinski, NYSDEC
Mr. Eric Goldstein, NRDC

bxc:

Hardcopy cover only:

C. Holloway, Commissioner

D. Lipsky

A. Licata

Hardcopy cover w/ all attachments:

P. Rush

V. Rao

R. Levine

C. Orr/File

Electronic file and hardcopy w/ all attachments:

O. Larsen

T. Tipa

L. Emery

Electronic file only:

K. Mallon

L. Ganson

E. Coleman

L. Janus

J. Morris

C. Glaser

J. Graf

R. Kowalczyk

K. Alderisio

C. Cutietta-Olson

A. Seeley

S. Freud

V. LoMonaco

Carrie Noteboom, NYC Law Dept.

Ms. Susan Amron, NYC Law Dept

Ms. K. Argenti, Croton CAC

T. Johnstone

W. Melendez, P.E.

R. Rossbach

L. Lu


Ms. Gina D'Agrosa, Westchester County Water Agency

RAW WATER FECAL COLIFORM CONCENTRATIONS


Croton System Raw Water Fecal Coliform Report

From: Apr-09 To: Jun-11

Month/Year	Number of Fecal Coliform Samples Examined per Month	Number of Fecal Coliform Samples with >20 cfu/100mL per Month	Percent of Monthly Fecal Coliform Samples with >20 cfu/100mL	Percent of Fecal Coliform Samples with >20 cfu/100mL for Previous Six Months
Apr-09	0	0	0.00	0.00
May-09	0	0	0.00	0.00
Jun-09	0	0	0.00	0.00
Jul-09	0	0	0.00	0.00
Aug-09	0	0	0.00	0.00
Sep-09	0	0	0.00	0.00
Oct-09	0	0	0.00	0.00
Nov-09	0	0	0.00	0.00
Dec-09	0	0	0.00	0.00
Jan-10	0	0	0.00	0.00
Feb-10	0	0	0.00	0.00
Mar-10	0	0	0.00	0.00
Apr-10	0	0	0.00	0.00
May-10	0	0	0.00	0.00
Jun-10	0	0	0.00	0.00
Jul-10	0	0	0.00	0.00
Aug-10	0	0	0.00	0.00
Sep-10	0	0	0.00	0.00
Oct-10	0	0	0.00	0.00
Nov-10	0	0	0.00	0.00
Dec-10	0	0	0.00	0.00
Jan-11	0	0	0.00	0.00
Feb-11	0	0	0.00	0.00
Mar-11	0	0	0.00	0.00
Apr-11	0	0	0.00	0.00
May-11	0	0	0.00	0.00
Jun-11	0	0	0.00	0.00

Report by:  Dale Borchert

title Section Chief, Kensico WQ Operations

 7/7/2011

RAW WATER TURBIDITY

COLIFORMS CODING
Kensico Laboratory, ELAP ID Number 10771
Effective: 5/4/09

CODE	DEFINITION: Appearance of Plate(s)
NO CODE	No code is used when total coliform plates result in colony counts in the ideal (20-80) range (or 20-60 for fecal coliforms) and there are <200 colonies of all types on the plate (i.e., the sum of the sheen plus non-sheen or blue plus non-blue colonies is <200). OR No code is also used when the total or fecal coliform colony counts are above or below ideal (20-80 for total coliform and 20-60 for fecal coliform) range and there are <200 colonies of all types on the plate.
< Dilution Factor	If there are no positive sheen or blue colonies on the plate and there are <200 colonies of all types on the plate the result is reported as "< dilution factor".
GC	Confluent Growth is used to describe the condition in which too many colonies are located so closely together that one colony cannot be distinguished from another. If confluent growth overwhelms the entire plate and there is no indication of the presence of either any sheen or blue colonies, the result will be reported as "GC".
GC+	In the case above if the presence of any sheen or blue colonies is detected, a plus (+) code will be added indicating the presence of total or fecal coliform. These data can be utilized for qualitative purposes only.
TNTC	When colony counts are not in the ideal range and there are >200 colonies of all types on the plate, the result is reported as too numerous to count (TNTC).
TNTC+	In the case above if the presence of any sheen or blue colonies is detected, a plus (+) code will be added indicating the presence of total or fecal coliform. These data can be used for qualitative purposes only.
>=	When colony counts are in the ideal range and there are >200 colonies of all types on the plate, the result will be reported with the greater than or equal to code (>=).
HTE	If samples were not received at the laboratory and analyzed within the 8 hour (for non-potable water samples) or 30 hour (for fully processed drinking water samples) holding time, the result reported as coliform/100ml will be coded with "HTE". The HTE code may be used in conjunction with any other code.

Kensico Laboratory, ELAP ID No. 10771
 Name of Public Water System: CROTON
 Location: Gatehouse [CRO1B]

Unfiltered Surface Water Systems
 Reporting Month/Year: 06-2011
 County: Westchester

RAW WATER TURBIDITY

RAW WATER COLIFORMS

DATE	Raw Water Turb.	Raw Water Turb.	Raw Water Turb.	Raw Water Turb.	Raw Water Turb.	Raw Water Turb.	AVG	***	Raw Water	Raw Water
	Midnt	4 am	8 am	noon	4 pm	8 pm	24 hr	Turb.	Total Coli	Fecal Coli
	=====						=====	=====	per 100 ml	per 100 ml
	=====						=====	=====	Colonies	Colonies
01	***	1	<1
02	***	7	<1
03	***	1	<1
04	***	1	<1
05	***	3	<1
06	***	<2	<1
07	***	7	<1
08	***	3	1
09	***	TNTC	<1
10	***	<10	1
11	***	<5	<1
12	***	<2	<1
13	***	<2	1
14	***	TNTC	<1
15	***	<20	1
16	***	<20	<1
17	***	8	<1
18	***	<10	<1
19	***	<10	<1
20	***	<10	<1
21	***	<10	<1
22	***	<10	<1
23	***	<10	<1
24	***	<50	<1
25	***	<20	<1
26	***	<20	<1
27	***	<20	1
28	***	29	<1
29	***	86	<1
30	***	43	1
								***	8	1

. = Aqueduct Shutdown, CONF = Confluent Growth, LE = Lab Error, FE = Field Error
 All results that fall within the scope of the NELAP program meet that program's requirements unless stated in the comments and methods tables.

- Population Served: _____
- Does a raw water turbidity M & R violation exist? Yes No
 - Does the turbidity reading exceed 5 NTU at any time? Yes No
 If yes, check for MCL violation, and notify state by end of next business day.
 - Minimum number of microbiological samples required per week _____.
 - A daily microbiological sample is required every day the raw water turbidity exceeds 1 NTU.

COMMENTS: Croton water was not used by NYC in June.

Reported By: Dale Borcherdt Title: Section Chief, Kensico Water Quality Operations
 KCS/2011

Date: 07/07/11

RAW WATER DISINFECTION/CT VALUES

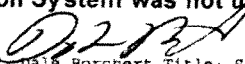
Croton System

One Segment - Croton Lake Gatehouse to Jerome Reservoir, Gatehouse 5

DATE	Max. Aqueduct Flow (MGD)	Contact Time (minutes)	Free Chlorine Residual (mg/L)	pH	Temp. (Celsius)	Calculated CT	Net Required CT	Inactivation Ratio
1-Jun-11
2-Jun-11
3-Jun-11
4-Jun-11
5-Jun-11
6-Jun-11
7-Jun-11
8-Jun-11
9-Jun-11
10-Jun-11
11-Jun-11
12-Jun-11
13-Jun-11
14-Jun-11
15-Jun-11
16-Jun-11
17-Jun-11
18-Jun-11
19-Jun-11
20-Jun-11
21-Jun-11
22-Jun-11
23-Jun-11
24-Jun-11
25-Jun-11
26-Jun-11
27-Jun-11
28-Jun-11
29-Jun-11
30-Jun-11

Note: the dates associated with these data are for Water Days, which run from 8:00 am to 8:00 am, ending on the date shown.

The Croton System was not used by NYC during the month of June.

Reported By:  Title: Section Chief, Kensico Water Quality Operations Date: 7/7/11

Croton Water System Consent Decree Monitoring Report – June 2011

***NEW CROTON RESERVOIR AND JEROME PARK RESERVOIR
OPERATIONS***

**New York City Department of Environmental Protection
Bureau of Water Supply
Croton Reservoir Monthly Chemical Use and Flow Report**

Public Water System Identification Number (PWSID): NY7003666

Date is 24 hour "Water Day" from 8:00 am of the date specified to 8:00 am of the next day.

Bold italic entry signifies not into distribution.

Date	Croton Lake Gatehouse			Dunwoodie	
	Flow (MG)	Chlorination	Draft Location	Flow (MG)	Fluoridation
		Chlorine Gas Added (lbs)			Liquid Fluorosilicic Acid Added (lbs)
06/01/11	0	0	shutdown	0	0
06/02/11	0	0	shutdown	0	0
06/03/11	0	0	shutdown	0	0
06/04/11	0	0	shutdown	0	0
06/05/11	0	0	shutdown	0	0
06/06/11	0	0	shutdown	0	0
06/07/11	0	0	shutdown	0	0
06/08/11	0	0	shutdown	0	0
06/09/11	0	0	shutdown	0	0
06/10/11	0	0	shutdown	0	0
06/11/11	0	0	shutdown	0	0
06/12/11	0	0	shutdown	0	0
06/13/11	0	0	shutdown	0	0
06/14/11	0	0	shutdown	0	0
06/15/11	0	0	shutdown	0	0
06/16/11	0	0	shutdown	0	0
06/17/11	0	0	shutdown	0	0
06/18/11	0	0	shutdown	0	0
06/19/11	0	0	shutdown	0	0
06/20/11	0	0	shutdown	0	0
06/21/11	0	0	shutdown	0	0
06/22/11	0	0	shutdown	0	0
06/23/11	0	0	shutdown	0	0
06/24/11	0	0	shutdown	0	0
06/25/11	0	0	shutdown	0	0
06/26/11	0	0	shutdown	0	0
06/27/11	0	0	shutdown	0	0
06/28/11	0	0	shutdown	0	0
06/29/11	0	0	shutdown	0	0
06/30/11	0	0	shutdown	0	0
Total	0	0		0	0
Average	0	0		0	0

Regional Chief

Reported by: Daniel J. MASSÉ Title: Supervisor Operator NYS DOH Operator #: NY 0033258

Signature: D. J. Massé Date: 7/6/11 Operator Grade Level: 1B-GW

New York City Department of Environmental Protection
 Bureau of Water and Sewer Operations
 Jerome Park Reservoir Monthly Chemical Use and Flow Report
 Public Water System Identification Number NY7003666

Month/Year: June 2011

Date	2		3		4		5			6		7		8	
	Croton		Shaft # 21		36% PO4 GPD		East Bronx			Jerome Pump Station		Mosholu Pump Station		Gatehouse # 7	
	Lake Gatehouse	Flow MGD	Chlorine PPD	Flow MGD	Chlorine PPD	36% PO4 GPD	Flow MGD	Chlorine PPD	36% PO4 GPD	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Chlorine PPD	Chlorine PPD
6/1/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/2/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/3/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/4/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/5/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/6/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/7/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/8/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/9/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/10/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/11/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/12/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/13/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/14/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/15/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/16/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/17/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/18/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/19/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/20/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/21/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/22/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/23/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/24/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/25/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/26/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/27/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/28/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/29/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
6/30/11	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

NY 0037293
WPO License #

NY 0037941
WPO License #

7/7/11
Date

(R. Rossbad)
Checked by assistant operator

7/7/11
Date

(W. Maon/Jz)
Reviewed by operator

Date is 24 hour "Water Day" from 8:00 am of the date specified to 8:00 am of the next day

CLGH Croton Lake Gatehouse
 MGD Million Gallons Per Day
 PPD Pounds Per Day
 GPD Gallons Per Day
 PO4 Phosphoric Acid

PATHOGEN MONITORING

NEW YORK CITY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

GLOSSARY OF TERMS

**Pathogen Monitoring Section
Croton Consent Decree Report**

1623HV - USEPA Method 1623 variation using higher volume, 50 liters (L), as opposed to 10 liters (L)

ICR - USEPA Information Collection Rule Method

CROGH - New Croton Reservoir effluent; New Croton Gate House

CROIT - New Croton Reservoir effluent; New Croton Gate House alternate site 1

CRO1B - New Croton Reservoir effluent; New Croton Gate House alternate site 2

CRO143 - New Croton Reservoir effluent; New Croton Gate House alternate site 3

CRO163 - New Croton Reservoir effluent; New Croton Gate House alternate site 4

CRO183 - New Croton Reservoir effluent; New Croton Gate House alternate site 5

BSTP - Brewster Waste Water Treatment Plant Effluent

MUSCOOTR - Muscoot Reservoir Release

HH7 (FORMERLY HHB) - Haviland Hollow Brook

WF (FORMERLY TRTIT) - Agricultural Drainage Basin Stream below Willow Farm

CROFALLSR - Croton Falls Reservoir Release

MPN/100L - Most Probable Number per 100 liters (L)

NI – Non Isolated



Croton Consent Decree Monthly Report - Pathogen Monitoring
 Watershed Water Quality Science and Research, Pathogen Planning and Assessment

Results for period June 2010 to June 2011

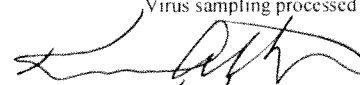
Report Updated on 7/5/2011 - Report generated from WWQO STARLIMS

New Croton Reservoir Effluent * Alternate site sampled to best represent CROGH during "off line" status.

Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
CROGH	06/01/2010	1	0	50.0	NI
CROGH	06/07/2010	1	0	50.0	NI
CROGH	06/14/2010	0	0	51.0	NI
CROGH	06/21/2010	0	0	50.0	NI
CROGH	06/28/2010	0	0	50.0	NI
CROGH	07/06/2010	0	0	50.0	NI
CROGH	07/12/2010	1	0	50.0	NI
CROGH	07/19/2010	0	0	50.0	NI
CROGH	07/26/2010	0	0	50.0	NI
CROGH	08/02/2010	0	0	50.0	NI
CROGH	08/09/2010	0	0	50.0	NI
CROGH	08/16/2010	0	0	50.0	NI
CROGH	08/23/2010	1	0	50.0	NI
CROGH	08/30/2010	0	0	50.0	Fail
CROGH	09/07/2010	0	0	50.0	NI
CROGH	09/13/2010	0	0	50.0	NI
CROGH	09/20/2010	0	0	50.0	NI
CRO1T*	09/27/2010	0	0	50.0	NI
CRO1T*	10/04/2010	0	0	50.2	NI
CRO1T*	10/12/2010	0	0	50.0	NI
CRO1T*	10/18/2010	0	0	50.0	NI
CRO1T*	10/25/2010	2	0	50.0	NI
CRO1T*	11/01/2010	1	0	50.0	NI
CRO1T*	11/08/2010	1	0	50.0	NI
CRO1T*	11/15/2010	1	0	50.0	NI
CRO1T*	11/22/2010	1	0	50.0	NI
CRO1T*	11/29/2010	0	0	50.0	NI
CRO1T*	12/06/2010	4	0	50.0	NI
CRO143*	12/13/2010	5	1	50.0	NI
CRO1T*	12/20/2010	0	1	50.0	NI
CRO183*	12/28/2010	9	1	50.0	3.251
CRO183*	01/03/2011	12	0	50.0	4.463
CRO183*	01/10/2011	7	0	50.0	1.03
CRO183*	01/18/2011	4	0	50.0	1.03
CRO183*	01/24/2011	2	0	50.0	NI
CRO183*	01/31/2011	7	0	50.0	1.03
CRO1T*	02/07/2011	3	0	50.0	NI
CRO1T*	02/14/2011	3	0	50.0	NI
CRO1T*	02/22/2011	2	0	50.0	NI
CRO1T*	02/28/2011	4	0	50.0	NI
CRO1T*	03/07/2011	3	0	50.0	NI
CRO1T*	03/14/2011	7	0	50.0	NI
CRO1B*	03/21/2011	?	0	50.1	NI
CRO1B*	03/28/2011	4	0	50.0	NI
CRO1T*	04/04/2011	5	0	50.0	NI
CRO1T*	04/11/2011	4	0	50.0	1.03
CRO1T*	04/18/2011	5	0	50.4	NI
CRO1B*	04/25/2011	1	0	50.0	NI
CRO1B*	05/02/2011	1	0	50.0	NI
CRO1B*	05/09/2011	2	0	51.7	NI
CRO1B*	05/16/2011	2	0	50.0	Pending
CRO1B*	05/23/2011	1	0	50.0	NI
CRO1B*	05/31/2011	2	0	50.0	NI
CRO1B*	06/06/2011	3	0	50.1	Pending
CRO1B*	06/13/2011	0	0	50.0	Pending
CRO1B*	06/20/2011	2	0	50.0	Pending
CRO1B*	06/27/2011	2	0	50.0	Pending

NSR = No Sample Required
 NI = None Isolated

Giardia and *Cryptosporidium* processed using EPA Method 1623 HV
 Virus sampling processed using ICR Protocol


 7/5/11

Brewster Sewage Treatment Plant

Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
BSTP	06/08/2010	0	0	50.0	NSR
BSTP	07/13/2010	0	0	50.0	NI
BSTP	08/10/2010	0	0	50.0	NSR
BSTP	09/14/2010	215	0	47.0	NI
BSTP	09/23/2010	2	0	50.0	NSR
BSTP	10/19/2010	1	0	50.0	NSR
BSTP	11/09/2010	0	0	50.0	NI
BSTP	12/14/2010	0	0	50.0	NSR
BSTP	01/11/2011	0	0	50.0	NI
BSTP	02/08/2011	0	0	50.0	NSR
BSTP	03/08/2011	0	0	50.0	NI
BSTP	04/12/2011	1	0	50.0	NSR
BSTP	05/17/2011	1	0	50.0	NI
BSTP	06/07/2011	0	0	50.0	NSR

Muscoot Reservoir Release


Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
MUSCOOTR	06/08/2010	1	0	50.0	NSR
MUSCOOTR	07/13/2010	0	0	50.0	NSR
MUSCOOTR	08/10/2010	0	0	47.0	NSR
MUSCOOTR	09/14/2010	0	0	46.6	NSR
MUSCOOTR	10/19/2010	1	0	50.0	NSR
MUSCOOTR	11/09/2010	1	0	50.0	NSR
MUSCOOTR	12/14/2010	55	0	50.0	NSR
MUSCOOTR	01/11/2011	19	1	50.0	NSR
MUSCOOTR	02/08/2011	10	1	50.0	NSR
MUSCOOTR	03/08/2011	43	1	28.7	10/22
MUSCOOTR	04/12/2011	16	0	50.1	NSR
MUSCOOTR	05/17/2011	2	0	50.0	NSR
MUSCOOTR	06/07/2011	2	0	50.0	NSR

Haviland Hollow Brook site 7

Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
HH7	06/08/2010	12	0	50.0	NSR
HH7	07/13/2010	4	0	50.0	NSR
HH7	08/10/2010	3	1	50.0	NSR
HH7	09/14/2010	3	0	50.0	NSR
HH7	10/19/2010	233	0	50.0	NSR
HH7	11/09/2010	20	0	50.0	NSR
HH7	12/14/2010	65	0	50.0	NSR
HH7	01/11/2011	226	0	50.0	NSR
HH7	02/08/2011	36	0	50.0	NSR
HH7	03/08/2011	23	0	50.0	2/11
HH7	04/12/2011	30	0	50.0	NSR
HH7	04/13/2011	NSR	NSR	NSR	8.63
HH7	04/20/2011	NSR	NSR	NSR	1.03
HH7	04/27/2011	NSR	NSR	NSR	2.11
HH7	05/04/2011	NSR	NSR	NSR	2.11
HH7	05/11/2011	NSR	NSR	NSR	24.08
HH7	05/17/2011	537	0	41.6	NSR
HH7	06/07/2011	53	0	50.1	NSR

NSR = No Sample Required
NI = None Isolated

Giardia and *Cryptosporidium* processed using EPA Method 1623 HV
Virus sampling processed using ICR Protocol


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Willow Farm

Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
WF	06/08/2010	0	1	50.0	NSR
WF	07/13/2010	Cancel	Cancel	Cancel	NSR
WF	08/11/2010	Cancel	Cancel	Cancel	NSR
WF	09/14/2010	Cancel	Cancel	Cancel	NSR
WF	10/19/2010	2	0	50.0	NSR
WF	11/09/2010	5	2	50.0	NSR
WF	12/14/2010	21	0	50.0	NSR
WF	01/11/2011	Fail	Fail	N/A	NSR
WF	01/24/2011	9	0	50.0	NSR
WF	02/08/2011	7	1	23.0	NSR
WF	03/08/2011	NSR	NSR	NSR	NI
WF	03/09/2011	12	1	50.0	NSR
WF	04/12/2011	1	0	50.0	NSR
WF	05/17/2011	12	0	14.9	NSR
WF	06/07/2011	3	0	50.0	NSR

Croton Falls Reservoir Release

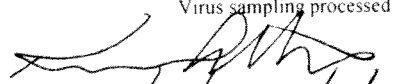
Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
CROFALLSR	03/08/2011	NSR	NSR	NSR	1.03

Cross River Reservoir Release

Site	Collection Date	Total <i>Giardia</i>	Total <i>Cryptosporidium</i>	Volume Analyzed for Protozoans (Liters)	Virus Sampling MPN/100L
CROSSRVR	03/08/2011	NSR	NSR	NSR	NI

NSR = No Sample Required
 NI = None Isolated

Giardia and *Cryptosporidium* processed using EPA Method 1623 HV
 Virus sampling processed using ICR Protocol


 5/7/11 7/5/11

Key to Data Qualifiers for Samples Displayed Within this Report

100 organisms were characterized by DIC and Dapi. Remaining organisms were uncharacterized and counted only.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
BSTP	09/14/2010	Warning	Giardia
HH17	10/19/2010	Warning	Giardia
HH7	01/11/2011	Warning	Giardia
HH17	05/17/2011	Warning	Giardia

Bucket apparatus was used seven times; cleaning is required after six uses.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
CROTT	04/04/2011	n/a	Cryptosporidium, Giardia

EAL Lab comment - Original flasks were examined, and they were positive for bacteri Confirmation flasks showed no CPE. Conclusion: No virus detected in sample.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
CROGH	08/16/2010	n/a	Virus

Early presumptive positive was confirmed as positive control contamination.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
CROGH	08/30/2010	Fail	Virus

Insufficient flow for sample. No water at site to sample.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	07/13/2010	Cancel	Cryptosporidium, Giardia

Insufficient flow for sample. Still no water at this site.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	09/14/2010	Cancel	Cryptosporidium, Giardia

Insufficient flow for sample. Stream was dry all month

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	08/11/2010	Cancel	Cryptosporidium, Giardia

lab error

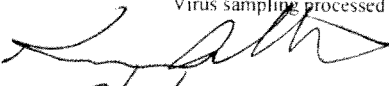
<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	01/11/2011	Fail	Cryptosporidium, Giardia

Not collected/not delivered. Equipment malfunction. Rescheduled for 3/9

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	03/08/2011	Cancel	Cryptosporidium, Giardia

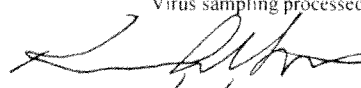
Not collected/not delivered. Staffing shortage and BRK turbidity survey taking priori Recollection next week.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
WF	01/18/2011	Cancel	Cryptosporidium, Giardia


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The IR gun was out of calibration when the temps were taken. However, the IR gun is checked daily against a NIST calibrated thermometer and was in range.

<u>Site</u>	<u>Sample Date</u>	<u>Affect on Sample</u>	<u>Analytes Affected</u>
CROGH	08/09/2010	n/a	Cryptosporidium, Giardia
BSTP	08/10/2010	n/a	Cryptosporidium, Giardia
HH7	08/10/2010	n/a	Cryptosporidium, Giardia
MUSCOOTR	08/10/2010	n/a	Cryptosporidium, Giardia
CROGH	08/16/2010	n/a	Cryptosporidium, Giardia
CROGH	08/23/2010	n/a	Cryptosporidium, Giardia



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STREAM MONITORING

CODE DEFINITION: Appearance of Plate(s)

- NO CODE No code is used when total coliform plates result in colony counts in the ideal (20-80) range (or 20-60 for fecal coliforms) and there are <200 colonies of all types on the plate (i.e., the sum of the sheen plus non-sheen or blue plus non-blue colonies is <200).
OR
No code is also used when the total or fecal coliform colony counts are above or below ideal (20-80 for total coliform and 20-60 for fecal coliform) range and there are <200 colonies of all types on the plate.
- < Dilution Factor
If there are no positive sheen or blue colonies on the plate and there are <200 colonies of all types on the plate the result is reported as "< dilution factor".
- GC Confluent Growth is used to describe the condition in which too many colonies are located so closely together that one colony cannot be distinguished from another. If confluent growth overwhelms the entire plate and there is no indication of the presence of either any sheen or blue colonies, the result will be reported as "GC".
- GC+ In the case above if the presence of any sheen or blue colonies is detected, a plus (+) code will be added indicating the presence of total or fecal coliform. These data can be utilized for qualitative purposes only.
- TNTC When colony counts are not in the ideal range and there are >200 colonies of all types on the plate, the result is reported as too numerous to count (TNTC).
- TNTC+ In the case above if the presence of any sheen or blue colonies is detected, a plus (+) code will be added indicating the presence of total or fecal coliform. These data can be used for qualitative purposes only.
- >= When colony counts are in the ideal range and there are >200 colonies of all types on the plate, the result will be reported with the greater than or equal to code (>=).
- HTE If samples were not received at the laboratory and analyzed within the 8 hour (for non-potable water samples) or 30 hour (for fully processed drinking water samples) holding time, the result reported as coliform/100mL will be coded with "HTE". The HTE code may be used in conjunction with any other code.

NYC-DEP Bureau of Water Supply
 Kensico Laboratory, ELAP ID Number 10771
 Bacterial Data for Croton Consent Decree - JUNE 2011

Site	Date Collected	Grab Time	Total Coliform (total coliform/100mL)	Total Coli Code	Fecal Coliform (fecal coliform/100mL)	Fecal Coli Code	Sample Number	Sample Type
AMAWALKR	08JUN2011	9:50	<200		2		1105165	
	23JUN2011	11:30	<500		200		1105657	
BB5	09JUN2011	10:45	5000		190		1105216	
	22JUN2011	11:22	38000		7200		1105622	
BOGEASTBRR	09JUN2011	9:53	3700		100		1105218	
	22JUN2011	9:12	1300		92		1105617	
BOYDR	02JUN2011	10:37	290		21		1104996	
	15JUN2011	10:26	1600		23		1105417	
CATHY7	03JUN2011	11:09	3700		<20		1105035	
	16JUN2011	10:55	2000		29		1105449	
COLABAUGH1	03JUN2011	11:26	1700		240		1105036	
	16JUN2011	11:14	3300		310		1105450	
CORNELL1	03JUN2011	10:09	3000		200		1105031	
	16JUN2011	9:39	2300		140		1105445	
CROFALLSR	09JUN2011	9:33	500		20		1105220	
	22JUN2011	10:43	6000		CONF	+	1105618	
CROSS2	08JUN2011	11:27	2300		170		1105177	
	23JUN2011	9:55	16000		2400		1105649	
CROSSVR	08JUN2011	10:44	200		12		1105181	
	23JUN2011	10:18	330		150		1105658	
DIVERTR	09JUN2011	9:42	5800		1		1105219	
	22JUN2011	9:59	1100		7		1105619	
EASTBR	09JUN2011	10:10	1300		67		1105214	
	22JUN2011	10:03	1300		110		1105623	
FRENCH5	03JUN2011	10:52	2000		<20		1105034	
	16JUN2011	10:40	4000		76		1105448	
GEDNEY3	03JUN2011	10:19	670		36		1105032	
	16JUN2011	9:56	1700		<10		1105446	
GYPSYTRL1	02JUN2011	10:25	1000		110		1104988	
	15JUN2011	9:33	4700		460		1105404	
HH7	09JUN2011	10:25	2300		170		1105215	
	22JUN2011	11:53	55000		19000		1105624	
HMILL4	08JUN2011	10:11	2700		250		1105161	
	23JUN2011	11:37	12000		2100		1105650	
HMILL7	08JUN2011	10:18	1000		83		1105162	
	23JUN2011	11:44	9100		2300		1105651	
HORSEPD12	02JUN2011	9:50	330		<20		1104989	
	15JUN2011	10:14	2800		95		1105405	
HUNTER1	08JUN2011	10:42	4700		170		1105163	
	23JUN2011	13:21	410000	>=	140000		1105652	

All results that fall within the scope of the NELAP program meet that program's requirements unless stated in the comments and methods tables.

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 Bacterial Data for Croton Consent Decree - JUNE 2011

Site	Date Collected	Grab Time	Total Coliform (total coliform/100mL)	Total Coli Code	Fecal Coliform (fecal coliform/100mL)	Fecal Coli Code	Sample Number	Sample Type
ILLINGTON1	03JUN2011	9:36	330		55		1105029	
	16JUN2011	9:08	3700		10		1105443	
KISCO3	08JUN2011	9:21	1300		170		1105178	
	23JUN2011	8:38	64000	>=	14000		1105653	
KITCHAWAN1	03JUN2011	9:59	2000		<20		1105030	
	16JUN2011	9:28	3000		95		1105444	
LEETOWN3	02JUN2011	10:52	2300		36		1104990	
	15JUN2011	10:49	2500		29		1105413	
LONGPD1	02JUN2011	11:23	5700		91		1104991	
	15JUN2011	11:58	6400		170		1105414	
MIDBR3	02JUN2011	9:22	2300		130		1104992	
	15JUN2011	11:10	8000		180		1105406	
MIKE2	02JUN2011	9:07	2000		270		1104993	
	15JUN2011	11:34	4000		370		1105407	
MUDTRIB1	09JUN2011	10:33	3800		170		1105217	
	22JUN2011	11:33	55000	>=	6600		1105625	
MUSCOOT10	02JUN2011	11:39	1300		200		1104994	
	15JUN2011	12:28	4000		300		1105415	
MUSCOOT5	08JUN2011	9:27	1300		83		1105164	
	23JUN2011	11:19	14000		1600		1105654	
NCBAILEY1	03JUN2011	9:21	1000		<20		1105028	
	16JUN2011	8:53	2700		29		1105442	
PLUM2	08JUN2011	12:22	330		83		1105179	
	23JUN2011	10:59	22000		2600		1105655	
PURDY1	03JUN2011	9:11	2300		55		1105027	
	16JUN2011	8:44	3300		1800		1105441	
SAWMILL1	03JUN2011	10:40	330		18		1105033	
	16JUN2011	10:10	2000		19		1105447	
STONES5	08JUN2011	10:03	2000		250		1105180	
	23JUN2011	9:08	110000		4100		1105656	
TITICUS3	09JUN2011	9:09	1700		19		1105222	
	22JUN2011	12:42	69000	>=	21000		1105626	
TITICUSR	09JUN2011	8:55	1500		9		1105221	
	22JUN2011	11:13	TNTC	+	CONF	+	1105620	
WESTBR7	02JUN2011	10:56	1700		55		1104995	
	15JUN2011	11:05	1700		48		1105416	
WESTBRR	02JUN2011	11:16	330		26		1104997	
	15JUN2011	11:41	83		2		1105418	
WHITE2	03JUN2011	11:36	6700		18		1105037	
	16JUN2011	11:31	1300		48		1105451	

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 Bacterial Data for Croton Consent Decree - JUNE 2011

Reservoir	Date Collected	Site Station	Sample Depth (meters)	Grab Time	Total Coliform (total coliform/100mL)	Total Coli Code	Fecal Coliform (fecal coliform/100mL)	Fecal Coli Code	Sample Number	Sample Type
Amawalk	15JUN2011	1.1	3	10:07	<50		1		1105408	
	15JUN2011	1.1	6	10:46	<50		<1		1105409	
	15JUN2011	1.1	18	10:28	<200		<1		1105410	
	15JUN2011	3	3	11:24	120		13		1105411	
	15JUN2011	3	7	11:41	200		2		1105412	
Bog Brook	27JUN2011	1	3	11:19	67		2		1105769	
	27JUN2011	1	10	11:31	57		1		1105770	
	27JUN2011	1	11	11:39	76		<1		1105771	
	27JUN2011	3	3	12:01	67		1		1105772	
	27JUN2011	3	5	12:08	48		<1		1105773	
	27JUN2011	3	11	12:03	48		<1		1105774	
Boyd Corners	21JUN2011	1.1	3	11:23	23		<1		1105589	
	21JUN2011	1.1	10	11:35	9		<1		1105590	
	21JUN2011	2	3	10:11	14		<1		1105591	
	21JUN2011	2	7	10:14	9		1		1105592	
	21JUN2011	3	3	10:43	27		2		1105593	
	21JUN2011	3	8	10:45	9		<1		1105594	
Croton Falls	06JUN2011	1.1	3	10:18	8		1		1105100	
	06JUN2011	1.1	5	10:54	17		<1		1105102	
	06JUN2011	1.1	24	10:33	<10		<1		1105101	
	06JUN2011	3	3	12:07	8		<1		1105103	
	06JUN2011	3	17	12:36	100		<1		1105104	
	06JUN2011	3	19	12:24	83		<1		1105105	
	06JUN2011	5	3	13:38	8		<1		1105106	
	06JUN2011	5	5	13:51	50		2		1105107	
Cross River	14JUN2011	1.1	3	10:22	700		1		1105377	
	14JUN2011	1.1	7	10:54	73		<1		1105378	
	14JUN2011	1.1	18	10:37	<20		<1		1105379	
	14JUN2011	3	3	11:33	1500		2		1105380	
	14JUN2011	3	10	11:43	180		2		1105381	
Diverting	01JUN2011	1.1	3	9:39	40		8		1104953	
	01JUN2011	1.1	8	9:53	71		<1		1104954	
	01JUN2011	2	3	10:16	47	>=	590		1104955	
	01JUN2011	2	4	10:27	440	>=	22		1104957	
	01JUN2011	2	5	10:28	TNTC	+	15		1104956	
East Branch	27JUN2011	1	3	9:43	170		5		1105763	
	27JUN2011	1	4	10:05	<100		2		1105764	
	27JUN2011	1	15	9:53	330		5		1105765	
	27JUN2011	3	3	10:27	250		6		1105766	
	27JUN2011	3	12	10:39	420		33		1105767	
	27JUN2011	3	13	10:29	500		63		1105768	
Lake Gilead	24JUN2011	1	3	9:48	170	>+	62		1105687	
	24JUN2011	1	6	10:03	140		8		1105688	
	24JUN2011	1	10	10:08	40		4		1105689	
	24JUN2011	1	15	10:10	40		1		1105690	
	24JUN2011	1	20	9:51	32		2		1105691	
	24JUN2011	1	27	11:05	20		3		1105703	
Lake Gleneida	24JUN2011	1	3	10:47	130		26		1105699	
	24JUN2011	1	6	11:08	8		2		1105700	
	24JUN2011	1	13	11:11	<5		<1		1105701	
	24JUN2011	1	20	11:17	8		2		1105702	
	24JUN2011	1	27	11:05	20		3		1105703	

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 Bacterial Data for Croton Consent Decree - JUNE 2011

Reservoir	Date Collected	Site Station	Sample Depth (meters)	Grab Time	Total Coliform (total coliform/100mL)	Total Coli Code	Fecal Coliform (fecal coliform/100mL)	Fecal Coli Code	Sample Number	Sample Type
Kirk Lake	24JUN2011	1	1	11:02	100	>=	10		1105694	
	24JUN2011	1	2	11:03	110	>=	2		1105693	
	24JUN2011	1	3	11:04	100	>=	CONF	+	1105692	
	24JUN2011	1	4	11:05	150		23		1105695	
	24JUN2011	1	5	11:06	100	>=	CONF	+	1105696	
Muscoot	08JUN2011	1	3	9:23	17000		1		1105170	
	08JUN2011	1	8	9:13	8800		10		1105171	
	08JUN2011	2	1	11:05	17000		<1		1105172	
	08JUN2011	4	3	9:57	17000		8		1105173	
	08JUN2011	4	5	9:48	14000		6		1105174	
	08JUN2011	6	3	10:30	27000		<1		1105175	
	08JUN2011	6	6	10:23	18000		<1		1105176	
	Middle Branch	28JUN2011	1.1	3	10:31	8		1		1105801
28JUN2011		1.1	5	10:52	25		2		1105802	
28JUN2011		1.1	12	10:41	9		<1		1105803	
28JUN2011		3	3	11:17	42		7		1105804	
28JUN2011		3	7	11:24	110		8		1105805	
New Croton	09JUN2011	1	3	10:00	17		<1		1105204	
	09JUN2011	1	12	10:20	17		<1		1105205	
	09JUN2011	1	25	10:25	<20		<1		1105206	
	09JUN2011	1	35	9:41	<20		1		1105207	
	09JUN2011	3	3	10:42	<20		<1		1105208	
	09JUN2011	3	15	10:39	<20		1		1105209	
	09JUN2011	3	28	10:35	<20		1		1105210	
	09JUN2011	4	3	9:07	17		1		1105211	
	09JUN2011	4	9	9:24	33		6		1105212	
	09JUN2011	4	16	9:13	33		2		1105213	
	20JUN2011	1	3	10:46	<20		<1		1105542	
	20JUN2011	1	9	11:07	<20		<1		1105543	
	20JUN2011	1	22	11:17	<20		<1		1105544	
	20JUN2011	1	34	10:35	<20		1		1105545	
	20JUN2011	2	3	11:44	<20		<1		1105546	
	20JUN2011	2	7	11:55	33		<1		1105547	
	20JUN2011	2	19	11:35	17		<1		1105548	
	20JUN2011	3	3	12:24	<20		<1		1105549	
	20JUN2011	3	7	12:39	<20		<1		1105550	
	20JUN2011	3	29	12:15	<20		<1		1105551	
	20JUN2011	4	3	9:51	33		3		1105552	
	20JUN2011	4	6	10:13	33		1		1105553	
	20JUN2011	4	17	9:59	33		4		1105554	
	20JUN2011	5	3	10:34	33		<1		1105555	
	20JUN2011	5	6	10:58	17		1		1105557	
	20JUN2011	5	17	10:43	17		1		1105556	
20JUN2011	6	3	12:27	17		1		1105558		
20JUN2011	6	7	12:44	17		5		1105560		
20JUN2011	6	12	12:36	17		1		1105559		
20JUN2011	8	3	11:41	100		2		1105561		
20JUN2011	8	6	11:48	83		2		1105562		
Titicus	07JUN2011	1.1	3	10:46	<100		2		1105140	
	07JUN2011	1.1	5	11:23	<20		<1		1105141	
	07JUN2011	1.1	20	11:08	17		<1		1105142	
	07JUN2011	3	3	11:59	TNTC		<1		1105143	
	07JUN2011	3	4	12:15	300		5		1105144	
West Branch	10JUN2011	1	3	10:23	64		4		1105255	
	10JUN2011	1	10	10:29	9		<1		1105256	

All results that fall within the scope of the NELAP program meet that program's requirements unless stated in the comments and methods tables.

NYC-DEP Bureau of Water Supply
 Kensico Laboratory, ELAP ID Number 10771
 Bacterial Data for Croton Consent Decree - JUNE 2011

Reservoir	Date Collected	Site Station	Sample Depth (meters)	Grab Time	Total Coliform (total coliform/100mL)	Total Coli Code	Fecal Coliform (fecal coliform/100mL)	Fecal Coli Code	Sample Number	Sample Type
West Branch	10JUN2011	2	3	10:55	36		17		1105257	
	10JUN2011	2	5	10:59	27		2		1105258	
	10JUN2011	3	3	11:35	100		12		1105259	
	10JUN2011	3	5	11:41	91		8		1105260	
	28JUN2011	1	3	10:52	33		4		1105806	
	28JUN2011	1	10	11:03	CONF	+	<1		1105807	
	28JUN2011	2	3	11:29	200		11		1105808	
	28JUN2011	2	9	11:44	TNTC	+	4		1105809	
	28JUN2011	3	3	12:11	92		5		1105810	
	28JUN2011	3	6	12:23	140		8		1105811	
	28JUN2011	4	3	13:13	150		<1		1105812	
	28JUN2011	4	7	13:26	TNTC	+	<1		1105813	

All results that fall within the scope of the NELAP program meet that program's requirements unless stated in the comments and methods tables.

East of Hudson District Comments Data

..... Data=LIMNOLOGY

Variable	Beginning Date	End Date	Comments
ALL	01JAN2011	.	Sample results between 10 and 20 times the limit of quantitation may be associated with a method blank that is greater than one-tenth the sample level.

..... Data=RELEASE

Variable	Beginning Date	End Date	Comments
ALL	01JAN2011	.	Sample results between 10 and 20 times the limit of quantitation may be associated with a method blank that is greater than one-tenth the sample level.

..... Data=STREAM

Variable	Beginning Date	End Date	Comments
ALL	01JAN2011	.	Sample results between 10 and 20 times the limit of quantitation may be associated with a method blank that is greater than one-tenth the sample level.
Fecal Coliform	17MAR2011	17MAR2011	SAMPNO 2552: Sample bottle received without a bottle batch number. Autoclave tape indicates bottle was autoclaved.
Total Coliform	17MAR2011	17MAR2011	SAMPNO 2552: Sample bottle received without a bottle batch number. Autoclave tape indicates bottle was autoclaved.