

Water-Data Report 2009

**01301500 HUTCHINSON RIVER AT PELHAM, NY**

Lower Hudson Basin  
Bronx Subbasin

LOCATION.--Lat 40°54'40", long 73°48'50" referenced to North American Datum of 1927, Westchester County, NY, Hydrologic Unit 02030102, on right bank in Pelham, just upstream from Penn Central Transportation Co. bridge, 100 ft downstream from Pelham Lake, and 1.5 mi west of New Rochelle.

DRAINAGE AREA.--6.04 mi<sup>2</sup>, revised.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1943 to September 1989, June 2009 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 12.92 ft above NGVD of 1929 (levels by Westchester County).

REMARKS.--Records good. No estimated daily discharges. Flow controlled by Pelham Lake and three reservoirs upstream from station. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 526 ft<sup>3</sup>/s, Aug. 28, 1971, gage height, 5.18 ft; maximum gage height, 5.38 ft, Jan. 21, 1979; minimum discharge, 0.01 ft<sup>3</sup>/s, July 27, 1957; minimum gage height, 1.86 ft, Aug. 2, 5, 1955.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 170 ft<sup>3</sup>/s, Aug. 2, gage height, 4.60 ft; minimum discharge, 1.2 ft<sup>3</sup>/s, Sept. 10, 11; minimum gage height, 2.17 ft, Sept. 26.

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009  
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	12	13	3.5
2	---	---	---	---	---	---	---	---	---	7.8	36	2.8
3	---	---	---	---	---	---	---	---	---	6.0	20	2.4
4	---	---	---	---	---	---	---	---	---	4.3	7.9	2.1
5	---	---	---	---	---	---	---	---	---	3.6	8.9	1.9
6	---	---	---	---	---	---	---	---	---	3.3	6.3	1.7
7	---	---	---	---	---	---	---	---	---	7.1	4.0	1.7
8	---	---	---	---	---	---	---	---	---	30	3.1	1.6
9	---	---	---	---	---	---	---	---	---	8.2	2.8	1.5
10	---	---	---	---	---	---	---	---	---	4.7	3.7	1.3
11	---	---	---	---	---	---	---	---	---	3.5	3.6	5.1
12	---	---	---	---	---	---	---	---	---	5.3	3.6	11
13	---	---	---	---	---	---	---	---	---	3.4	3.5	7.2
14	---	---	---	---	---	---	---	---	---	2.9	3.2	4.5
15	---	---	---	---	---	---	---	---	---	2.6	2.8	3.2
16	---	---	---	---	---	---	---	---	---	2.4	2.4	2.7
17	---	---	---	---	---	---	---	---	---	2.3	2.2	2.6
18	---	---	---	---	---	---	---	---	---	2.1	1.8	2.4
19	---	---	---	---	---	---	---	---	---	1.7	1.5	2.0
20	---	---	---	---	---	---	---	---	---	1.7	1.4	1.8
21	---	---	---	---	---	---	---	---	---	17	3.1	1.8
22	---	---	---	---	---	---	---	---	---	11	33	1.7
23	---	---	---	---	---	---	---	---	---	12	7.5	38
24	---	---	---	---	---	---	---	---	---	9.6	6.1	20
25	---	---	---	---	---	---	---	---	---	7.4	10	7.4
26	---	---	---	---	---	---	---	---	---	7.8	6.5	5.6
27	---	---	---	---	---	---	---	---	---	10	6.1	5.2
28	---	---	---	---	---	---	---	---	---	6.2	3.9	9.7
29	---	---	---	---	---	---	---	---	---	5.0	9.1	17
30	---	---	---	---	---	---	---	---	---	12	7.5	9.8
31	---	---	---	---	---	---	---	---	---	18	5.3	---
Total	---	---	---	---	---	---	---	---	---	217.6	285.8	105.1
Mean	---	---	---	---	---	---	---	---	---	7.02	9.22	3.50
Max	---	---	---	---	---	---	---	---	---	30	38	12
Min	---	---	---	---	---	---	---	---	---	1.7	1.4	1.3

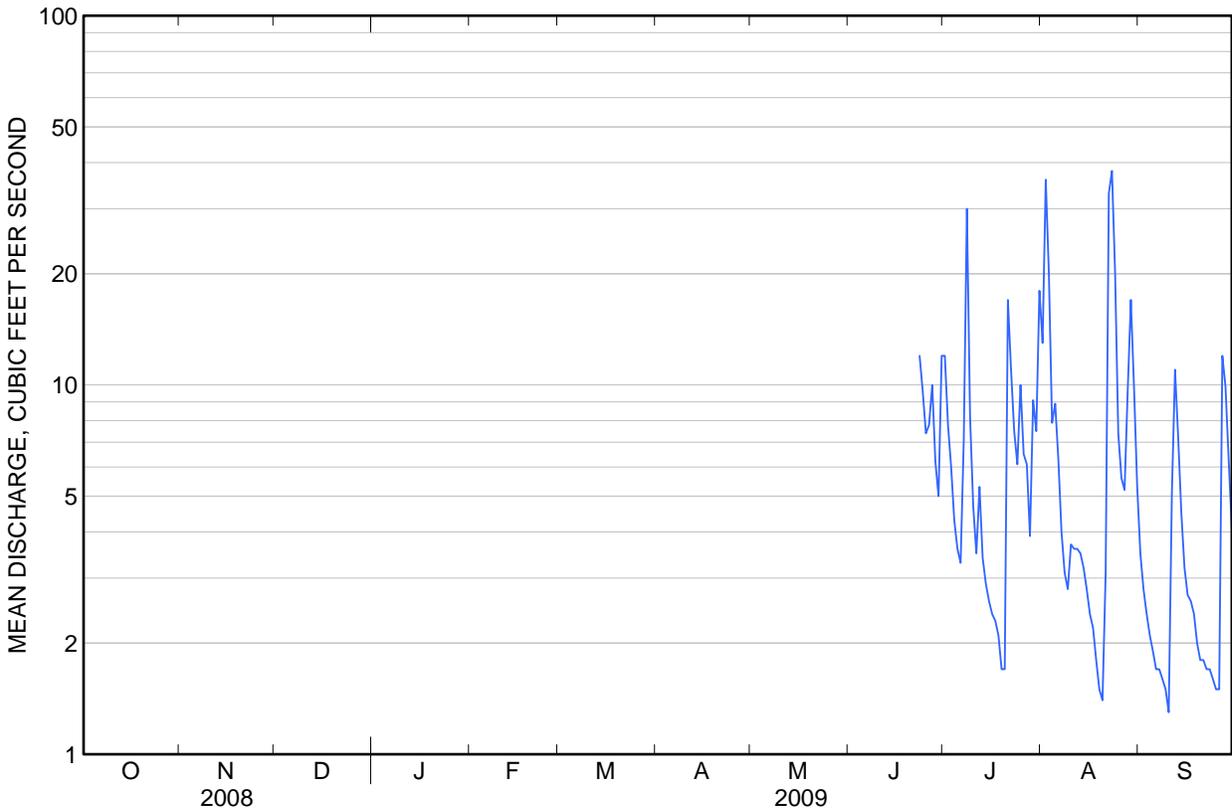
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.45	7.17	8.21	8.25	8.84	11.2	11.1	8.47	5.66	4.68	4.52	4.46
Max	23.1	22.5	25.2	34.8	15.9	25.8	38.6	24.3	28.7	18.4	20.2	22.2
(WY)	(1956)	(1978)	(1984)	(1979)	(1960)	(1953)	(1983)	(1989)	(1972)	(1984)	(1971)	(1975)
Min	0.49	0.61	1.23	0.57	3.05	3.42	2.74	1.82	1.09	0.49	0.37	0.19
(WY)	(1964)	(1950)	(1981)	(1981)	(1980)	(1981)	(1985)	(1965)	(1965)	(1966)	(1964)	(1964)

01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

SUMMARY STATISTICS

Water Years 1945 - 2009		
Annual mean	7.17	
Highest annual mean	12.3	1984
Lowest annual mean	3.19	1965
Highest daily mean	298	Jan 21, 1979
Lowest daily mean	0.02	Aug 2, 1955
Annual seven-day minimum	0.02	Jul 31, 1955
10 percent exceeds	15	
50 percent exceeds	4.2	
90 percent exceeds	0.64	



## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

## WATER-QUALITY RECORDS

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detection angle 90 +/- 30 degrees to incident light, NTU (63675)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)
05-28-2009	0930	2.2	98	7.7	985	15.7	4.9	541	50.8	16.4

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)
05-28-2009	3.73	100	210	.14	7.28	26.4	.034	.69	.022	.011

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Barium, water, unfiltered, recoverable, μg/L (01007)	Cadmium, water, unfiltered, μg/L (01027)	Chromium, water, unfiltered, recoverable, μg/L (01034)	Copper, water, unfiltered, recoverable, μg/L (01042)	Iron, water, filtered, μg/L (01046)	Iron, water, unfiltered, recoverable, μg/L (01045)	Lead, water, unfiltered, recoverable, μg/L (01051)	Manganese, water, filtered, μg/L (01056)	Manganese, water, unfiltered, recoverable, μg/L (01055)	Mercury, water, unfiltered, recoverable, μg/L (71900)
05-28-2009	65.5	< .06	E .34	E 2.8	75	592	2.47	73.4	198	< .010

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Silver, water, unfiltered, recover- able, μg/L (01077)	Zinc, water, unfiltered, recover- able, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Tri- chloro- propane, water, unfiltered, recover- able, μg/L (77443)	1,2- Dibromo-3- chloro- propane, water, unfiltered, recover- able, μg/L (82625)	1,2- Dibromo- ethane, water, unfiltered, recover- able, μg/L (77651)	1,2- Dichloro- ethane, water, unfiltered, recover- able, μg/L (32103)	1,2- Dichloro- propane, water, unfiltered, recover- able, μg/L (34541)	1,3-Di- chloro- propane, water, unfiltered, recover- able, μg/L (77173)
05-28-2009	< .06	3.8	1.3	.36	< .12	< 1.0	< .04	< .1	< .02	< .1

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	1,4- Dichloro- benzene, water, unfiltered, recover- able, μg/L (34571)	1- Naphthol, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (49295)	2,4,6- Trichloro- phenol, water, unfiltered, recover- able, μg/L (34621)	2,4- Dichloro- phenol, water, unfiltered, recover- able, μg/L (34601)	2,4- Dimethyl- phenol, water, unfiltered, recover- able, μg/L (34606)	2,6-Diethyl- aniline, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82660)	2-Chloro- 2',6'- diethyl- acetanilide, water, filtered, recover- able, μg/L (61618)	2-Chloro-4- isopropyl- amino-6- amino-s- triazine, water, filtered, recover- able, μg/L (04040)	2-Ethyl-6- methyl- aniline, water, filtered, recover- able, μg/L (61620)	3,4- Dichloro- aniline, water, filtered, recover- able, μg/L (61625)
05-28-2009	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010	< .005

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	3-Chloro- propene, water, unfiltered, recover- able, μg/L (78109)	4-Chloro-2- methyl- phenol, water, filtered, recover- able, μg/L (61633)	4-Chloro-3- methyl- phenol, water, filtered, recover- able, μg/L (34452)	4-Nitro- phenol, water, unfiltered, recover- able, μg/L (34646)	Acetochlor, water, filtered, recover- able, μg/L (49260)	Acrylo- nitrile, water, unfiltered, recover- able, μg/L (34215)	Alachlor, water, filtered, recover- able, μg/L (46342)	Atrazine, water, filtered, recover- able, μg/L (39632)	Azinphos- methyl oxygen analog, water, filtered, recover- able, μg/L (61635)	Azinphos- methyl, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82686)
05-28-2009	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	.009	< .04	< .120

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82673)	Bromo- methane, water, unfiltered, recover- able, μg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82680)	Carbon disulfide, water, unfiltered, μg/L (77041)	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlor- pyrifos, water, filtered, recover- able, μg/L (38933)	cis-1,3-Di- chloro- propene, water, unfiltered, recover- able, μg/L (34704)	cis- Permethrin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82687)	Cyfluthrin, water, filtered, recover- able, μg/L (61585)
05-28-2009	< .014	< .4	< .200	< .04	< .05	< .010	< .10	< .014	< .016

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Cyper- methrin, water, filtered, recover- able, μg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82682)	Desulfinyl- fipronil amide, water, filtered, recover- able, μg/L (62169)	Desulfinyl- fipronil, water, filtered, recover- able, μg/L (62170)	Diazinon, water, filtered, recover- able, μg/L (39572)	Dichlorvos, water, filtered, recover- able, μg/L (38775)	Dicroto- phos, water, filtered, recover- able, μg/L (38454)	Dieldrin, water, filtered, recover- able, μg/L (39381)	Dimetho- ate, water, glass fiber filter), recover- able, μg/L (82662)	Ethion monoxon, water, filtered, recover- able, μg/L (61644)
05-28-2009	< .020	< .006	< .029	E .005	< .005	< .02	< .08	< .009	< .009	< .02

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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 sulfone, water, filtered, recover- able, μg/L (62168)	Fipronil, water, filtered, recover- able, μg/L (62166)	Fonofos, water, filtered, recover- able, μg/L (04095)	Hexa- chloro- benzene, water, unfiltered, recover- able, μg/L (39700)	Hexa- zinone, water, filtered, recover- able, μg/L (04025)	Iodo- methane, water, unfiltered, recover- able, μg/L (77424)
05-28-2009	< .012	< .053	< .08	< .03	< .024	E .004	< .010	< 0.30	< .008	< .80

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Iprodione, water, filtered, recover- able, μg/L (61593)	Isofenphos, 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)	Metola- chlor, water, filtered, recover- able, μg/L (39415)	Metribuzin, water, filtered, recover- able, μg/L (82630)
05-28-2009	< .014	< .010	< .080	< .020	E .010	< .006	< .01	< .008	< .014	< .016

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Myclo- butanil, water, filtered, recover- able, μg/L (61599)	Pendi- methalin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82683)	Penta- chloro- phenol, water, unfiltered, recover- able, μg/L (39032)	Phorate oxygen analog, water, filtered, recover- able, μg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82664)	Phosmet oxygen analog, water, filtered, recover- able, μg/L (61668)	Phosmet, water, filtered, recover- able, μg/L (61601)	Prometon, water, filtered, recover- able, μg/L (04037)	Prometryn, water, filtered, recover- able, μg/L (04036)	Propyz- amide, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82676)
05-28-2009	< .010	< .012	< 1	< .03	< .020	< .05	< .200	< .03	< .006	< .004

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Simazine, water, filtered, recover- able, μg/L (04035)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82670)	Terbufos oxygen sulfone, water, filtered, recover- able, μg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82675)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	trans-1,3- Dichloro- propene, water, unfiltered, recover- able, μg/L (34699)	Tribuphos, water, filtered, recover- able, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfiltered, recover- able, μg/L (77562)	1,1,1-Tri- chloro- ethane, water, unfiltered, recover- able, μg/L (34506)
05-28-2009	E .007	< .02	< .04	< .02	< .01	< .10	< .035	< .012	< .04	< .02

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfiltered, recover- able, μg/L (34516)	1,1,2-Tri- chloro- 1,2,2- trifluoro- ethane, water, unfiltered, recover- able, μg/L (77652)	1,1,2-Tri- chloro- ethane, water, unfiltered, recover- able, μg/L (34511)	1,1-Di- chloro- ethane, water, unfiltered, recover- able, μg/L (34496)	1,1-Di- chloro- ethene, water, unfiltered, recover- able, μg/L (34501)	1,1-Di- chloro- propene, water, unfiltered, recover- able, μg/L (77168)	1,2,3,4- Tetra- methyl- benzene, water, unfiltered, recover- able, μg/L (49999)	1,2,3,5- Tetra- methyl- benzene, water, unfiltered, recover- able, μg/L (50000)	1,2,3-Tri- chloro- benzene, water, unfiltered, recover- able, μg/L (77613)	1,2,3-Tri- methyl- benzene, water, unfiltered, recover- able, μg/L (77221)
05-28-2009	< .10	< .04	< .06	< .04	< .02	< .04	< .1	< .1	< .1	< .1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	1,2,4-Tri- chloro- benzene, water, unfiltered, recover- able, μg/L (34551)	1,2,4-Tri- methyl- benzene, water, unfiltered, recover- able, μg/L (77222)	1,2- Dichloro- benzene, water, unfiltered, recover- able, μg/L (34536)	1,2- Diphenyl- hydrazine, water, unfiltered, recover- able, μg/L (82626)	1,3,5-Tri- methyl- benzene, water, unfiltered, recover- able, μg/L (77226)	1,3- Dichloro- benzene, water, unfiltered, recover- able, μg/L (34566)	2,2-Di- chloro- propane, water, unfiltered, recover- able, μg/L (77170)	2,4-Dinitro- toluene, water, unfiltered, recover- able, μg/L (34611)	2,6-Dinitro- toluene, water, unfiltered, recover- able, μg/L (34626)	2-Chloro- naph- thalene, water, unfiltered, recover- able, μg/L (34581)
05-28-2009	< 0.04	< .04	< .02	< 0.30	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	2-Chloro-phenol, water, unfiltered, recoverable, μg/L (34586)	2-Chloro-toluene, water, unfiltered, recoverable, μg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, μg/L (77220)	2-Nitro-phenol, water, unfiltered, recoverable, μg/L (34591)	3,3'-Dichloro-benzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromo-phenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chloro-phenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chloro-toluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)
05-28-2009	< 0.42	< .02	< .02	< 0.4	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Acenaph-thene, water, unfiltered, recoverable, μg/L (34205)	Acenaph-thylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthra-cene, water, unfiltered, recoverable, μg/L (34220)	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]-anthra-cene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]-pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]-fluor-anthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]-perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]-fluoran-thene, water, unfiltered, recoverable, μg/L (34242)
05-28-2009	< 0.28	< 0.30	< 4	< 0.39	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 17 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloro-ethoxy)-methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloro-isopropyl) ether, water, unfiltered, recoverable, μg/L (34283)	Bis(2-ethyl-hexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromo-benzene, water, unfiltered, recoverable, μg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, μg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, μg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, μg/L (50002)	Chloro-benzene, water, unfiltered, recoverable, μg/L (34301)
05-28-2009	< 2	< 0.2	< 0.30	< 0.38	< 2	< .02	< .06	< .04	< .1	< .02

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Chloroethane, water, unfiltered, recoverable, μg/L (34311)	Chloromethane, water, unfiltered, recoverable, μg/L (34418)	Chrysene, water, unfiltered, recoverable, μg/L (34320)	cis-1,2-Dichloroethene, water, unfiltered, recoverable, μg/L (77093)	Dibenzo[a,h]anthracene, water, unfiltered, recoverable, μg/L (34556)	Dibromochloromethane, water, unfiltered, recoverable, μg/L (32105)	Dibromomethane, water, unfiltered, recoverable, μg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, μg/L (34668)	Dichloromethane, water, unfiltered, recoverable, μg/L (34423)	Diethyl ether, water, unfiltered, recoverable, μg/L (81576)
05-28-2009	< .1	< .1	< 0.33	E .03	< 0.4	< .1	< .04	< .10	< 0.04	< .1

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Diethyl phthalate, water, unfiltered, recoverable, μg/L (34336)	Diisopropyl ether, water, unfiltered, recoverable, μg/L (81577)	Dimethyl phthalate, water, unfiltered, recoverable, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recoverable, μg/L (39110)	Di-n-octyl phthalate, water, unfiltered, recoverable, μg/L (34596)	Ethyl methacrylate, water, unfiltered, recoverable, μg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, μg/L (81595)	Ethylbenzene, water, unfiltered, recoverable, μg/L (34371)	Fluoranthene, water, unfiltered, recoverable, μg/L (34376)	Hexachlorobutadiene, water, unfiltered, recoverable, μg/L (39702)
05-28-2009	< 0.61	< .06	< 0.4	M	M	< .1	< 1.6	< .04	< 0.30	< .1

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Hexachlorocyclopentadiene, water, unfiltered, recoverable, μg/L (34386)	Hexachloroethane, water, unfiltered, recoverable, μg/L (34396)	Indeno[1,2,3-cd]pyrene, water, unfiltered, recoverable, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recoverable, μg/L (78133)	Isophorone, water, unfiltered, recoverable, μg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, μg/L (77223)	Methyl acetate, water, unfiltered, recoverable, μg/L (77032)	Methyl acrylate, water, unfiltered, recoverable, μg/L (49991)	Methyl acrylonitrile, water, unfiltered, recoverable, μg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, μg/L (81597)
05-28-2009	< 0.4	< .1	< 0.4	< .4	< 0.4	< .04	< .4	< .6	< .2	< .2

## 01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 21 of 24

[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Methyl tert-butyl ether, water, unfiltered, recoverable, μg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, μg/L (50005)	Methylene blue active substances, water, unfiltered, recoverable, mg/L (38260)	m-Xylene plus p-xylene, water, unfiltered, recoverable, μg/L (85795)	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butylbenzene, water, unfiltered, recoverable, μg/L (77342)	Nitrobenzene, water, unfiltered, recoverable, μg/L (34447)	N-Nitrosodimethylamine, water, unfiltered, recoverable, μg/L (34438)	N-Nitrosodipropylamine, water, unfiltered, recoverable, μg/L (34428)
05-28-2009	< .10	< .06	E .07	< .08	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	N-Nitrosodiphenylamine, water, unfiltered, recoverable, μg/L (34433)	n-Propylbenzene, water, unfiltered, recoverable, μg/L (77224)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	Phenanthrene, water, unfiltered, recoverable, μg/L (34461)	Phenol, water, unfiltered, recoverable, μg/L (34694)	Pyrene, water, unfiltered, recoverable, μg/L (34469)	sec-Butylbenzene, water, unfiltered, recoverable, μg/L (77350)	Styrene, water, unfiltered, recoverable, μg/L (77128)	tert-Amyl alcohol, water, unfiltered, recoverable, μg/L (77073)	tert-Butyl alcohol, water, unfiltered, recoverable, μg/L (77035)
05-28-2009	< 0.4	< .04	< .04	< 0.32	< .4	< 0.35	< .02	< .04	< .6	< 1.00

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	tert-Butyl ethyl ether, water, unfiltered, recoverable, μg/L (50004)	tert-Butylbenzene, water, unfiltered, recoverable, μg/L (77353)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, μg/L (81607)	Toluene, water, unfiltered, recoverable, μg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, μg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, μg/L (73547)	Tribromomethane, water, unfiltered, recoverable, μg/L (32104)	Trichloroethene, water, unfiltered, recoverable, μg/L (39180)
05-28-2009	< .04	< .06	E .03	< .06	< 1	E .03	< .02	< .4	< .10	< .02

01301500 HUTCHINSON RIVER AT PELHAM, NY—Continued

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER  
2009**

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[%, percent; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Trichloro- fluoro- methane, water, unfiltered, recover- able, μg/L (34488)	Trichloro- methane, water, unfiltered, recover- able, μg/L (32106)	Vinyl chloride, water, unfiltered, recover- able, μg/L (39175)
05-28-2009	< .08	E .06	< .1