



Water-Data Report 2009

01311828 FRESH CREEK AT STARRETT CITY, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°38'50", long 73°53'22" referenced to North American Datum of 1927, Kings County, NY, Hydrologic Unit 02030202.

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 26

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Sample start time | Barometric pressure, mm Hg (00025) | Dissolved oxygen, water, unfiltered, mg/L (00300) | 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) |
|------------|-------------------|------------------------------------|---|---|--|---|--------------------------------|--|---|---|
| 07-09-2009 | 0915 | 769 | 10.2 | 129 | 8.0 | 38,100 | 22.7 | 5.9 | 25,600 | 279 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Magnesium, water, unfiltered, recoverable, mg/L (00927) | Potassium, water, unfiltered, recoverable, mg/L (00937) | Sodium, water, unfiltered, recoverable, mg/L (00929) | ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410) | Chloride, water, filtered, mg/L (00940) | Fluoride, water, filtered, mg/L (00950) | Silica, water, filtered, mg/L as SiO ₂ (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) |
|------------|---|---|--|--|---|---|---|--|---|--|
| 07-09-2009 | 892 | 274 | 6,870 | 97 | 14,000 | .87 | .78 | 2,000 | E .395 | .17 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Nitrite, water, filtered, mg/L as N (00613) | Orthophos- phate, water, filtered, mg/L as P (00671) | Barium, water, unfiltered, recover- able, μg/L (01007) | Cadmium, water, unfiltered, μg/L (01027) | Chromium, water, unfiltered, recover- able, μg/L (01034) | Copper, water, unfiltered, recover- able, μg/L (01042) | Iron, water, filtered, μg/L (01046) | Iron, water, unfiltered, recover- able, μg/L (01045) | Lead, water, unfiltered, recover- able, μg/L (01051) | Manga- nese, water, filtered, μg/L (01056) |
|------------|---|---|--|--|--|--|--|---|--|---|
| 07-09-2009 | .060 | .193 | 19.8 | < .96 | < 6.4 | < 64.0 | 6 | 646 | 13.8 | 65.8 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Manga- nese, water, unfiltered, recover- able, μg/L (01055) | Mercury, water, unfiltered, recover- able, μg/L (71900) | 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) |
|------------|--|---|--|--|--|---|--|--|--|---|
| 07-09-2009 | 91.0 | .042 | < .96 | < 32.0 | 3.6 | < 1.9 | < .12 | < 1.0 | < .04 | < .1 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 1,2- Dichloro- propane, water, unfiltered, recover- able, μg/L (34541) | 1,3-Di- chloro- propane, water, unfiltered, recover- able, μg/L (77173) | 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) |
|------------|--|---|--|---|--|---|---|--|--|---|
| 07-09-2009 | < .02 | < .1 | E .02 | < .04 | < 0.6 | < 0.39 | < .8 | < .006 | < .010 | E .011 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620) | 2-Methyl-4,6-dinitro-phenol, water, unfiltered, recoverable, µg/L (34657) | 3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625) | 3-Chloro-propene, water, unfiltered, recoverable, µg/L (78109) | 4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633) | 4-Chloro-3-methyl-phenol, water, filtered, recoverable, µg/L (34452) | 4-Nitro-phenol, water, unfiltered, recoverable, µg/L (34646) | Acetochlor, water, filtered, recoverable, µg/L (49260) | Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215) | Alachlor, water, filtered, recoverable, µg/L (46342) |
|------------|--|---|--|--|--|--|--|--|--|--|
| 07-09-2009 | < .010 | < 0.77 | E .024 | < .08 | < .005 | < 0.55 | < 0.51 | < .010 | < 0.4 | < .008 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Aldrin, water, unfiltered, recoverable, µg/L (39330) | alpha-Endosulfan, water, unfiltered, recoverable, µg/L (39388) | 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) | Bromo-methane, water, unfiltered, recoverable, µg/L (34413) | Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680) | Carbon disulfide, water, unfiltered, recoverable, µg/L (77041) | Chlordane (technical), water, unfiltered, recoverable, µg/L (39350) |
|------------|--|--|--|---|---|---|---|--|--|---|
| 07-09-2009 | < .01 | < .01 | < .015 | < .04 | < .120 | < .014 | < .4 | < .200 | E .07 | < .1 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636) | Chlorpyrifos, water, filtered, recoverable, µg/L (38933) | cis-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34704) | 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) |
|------------|--|--|--|--|--|--|--|---|---|--|
| 07-09-2009 | < .05 | < .010 | < .10 | < .014 | < .016 | < .020 | < .006 | < .029 | < .012 | < .005 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | Dieldrin, water, unfiltered, recover- able, μg/L (39380) | Dimetho- ate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82662) | Endrin, water, unfiltered, recover- able, μg/L (39390) | 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) |
|------------|--|--|--|--|---|--|---|--|--|--|
| 07-09-2009 | < .02 | < .08 | < .009 | < .008 | < .006 | < .01 | < .02 | < .012 | < .053 | < .08 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | Heptachlor epoxide, water, unfiltered, recover- able, μg/L (39420) | Heptachlor, water, unfiltered, recover- able, μg/L (39410) | 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) | Iprodione, water, filtered, recover- able, μg/L (61593) |
|------------|---|---|--|---|---|--|---|---|--|---|
| 07-09-2009 | < .03 | < .024 | < .040 | < .010 | < .009 | < .01 | < 0.30 | < .008 | < .80 | < .014 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Isofenphos, water, filtered, recover- able, μg/L (61594) | Lindane, water, unfiltered, recover- able, μg/L (39340) | 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) |
|------------|--|---|--|---|---|---|--|--|--|--|
| 07-09-2009 | < .006 | < .014 | < .080 | < .020 | < .007 | < .006 | < .01 | < .008 | < .014 | < .016 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Mirex, water, unfiltered, recover- able, μg/L (39755) | Myclo- butanil, water, filtered, recover- able, μg/L (61599) | p,p'-DDD, water, unfiltered, recover- able, μg/L (39360) | p,p'-DDE, water, unfiltered, recover- able, μg/L (39365) | p,p'-DDT, water, unfiltered, recover- able, μg/L (39370) | p,p'- Methoxy- chlor, water, unfiltered, recover- able, μg/L (39480) | 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) |
|------------|---|---|--|--|--|--|---|---|---|--|
| 07-09-2009 | < .006 | < .010 | < .016 | < .014 | < .010 | < .002 | < .012 | < 1 | < .03 | < .020 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | 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 analog 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) |
|------------|---|---|--|---|---|--|---|---|---|---|
| 07-09-2009 | < .05 | < .200 | < .01 | < .006 | < .004 | < .010 | < .02 | < .04 | < .02 | < .01 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Toxaphene, water, unfiltered, recover- able, μg/L (39400) | 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) | PCBs, water, unfiltered, recover- able, μg/L (39516) | 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) | 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) |
|------------|---|--|---|--|--|---|---|---|---|---|
| 07-09-2009 | < 1 | < .10 | < .035 | < .012 | E .1 | < .04 | < .02 | < .10 | < .04 | < .06 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | 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) |
|------------|--|--|---|--|--|--|--|--|--|--|
| 07-09-2009 | < .04 | E .02 | < .04 | < .1 | < .1 | < .1 | < .1 | < 0.04 | < .04 | < .02 |

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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- phenol, water, unfiltered, recover- able, μg/L (34616) | 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) | 2-Chloro- phenol, water, unfiltered, recover- able, μg/L (34586) | 2-Chloro- toluene, water, unfiltered, recover- able, μg/L (77275) |
|------------|--|--|--|---|--|---|---|---|---|--|
| 07-09-2009 | < 0.30 | < .04 | < .02 | < .06 | < 1 | < 0.6 | < 0.43 | < 0.2 | < 0.42 | < .02 |

01311828 FRESH CREEK AT STARRETT CITY, NY—Continued

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 2-Ethyl- toluene, water, unfiltered, recover- able, μg/L (77220) | 2-Nitro- phenol, water, unfiltered, recover- able, μg/L (34591) | 3,3'- Dichloro- benzidine, water, unfiltered, recover- able, μg/L (34631) | 4-Bromo- phenyl ether, water, unfiltered, recover- able, μg/L (34636) | 4-Chloro- phenyl ether, water, unfiltered, recover- able, μg/L (34641) | 4-Chloro- toluene, water, unfiltered, recover- able, μg/L (77277) | 4-Iso- propyl- toluene, water, unfiltered, recover- able, μg/L (77356) | 9H- Fluorene, water, unfiltered, recover- able, μg/L (34381) | Acenaph- thene, water, unfiltered, recover- able, μg/L (34205) | Acenaph- thylene, water, unfiltered, recover- able, μg/L (34200) |
|------------|---|--|---|---|--|--|--|---|---|---|
| 07-09-2009 | < .02 | < 0.4 | < 0.4 | < 0.36 | < 0.34 | < .02 | E .04 | < 0.33 | < 0.28 | < 0.30 |

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Acetone, water, unfiltered, recover- able, μg/L (81552) | Anthra- cene, water, unfiltered, recover- able, μg/L (34220) | Benzene, water, unfiltered, recover- able, μg/L (34030) | Benzo[a]- anthra- cene, water, unfiltered, recover- able, μg/L (34526) | Benzo[a]- pyrene, water, unfiltered, recover- able, μg/L (34247) | Benzo[a]- fluor- anthene, water, unfiltered, recover- able, μg/L (34230) | Benzo[ghi]- perylene, water, unfiltered, recover- able, μg/L (34521) | Benzo[k]- fluoran- thene, water, unfiltered, recover- able, μg/L (34242) | Benzy l n- butyl phthalate, water, unfiltered, recover- able, μg/L (34292) | Bis(2- chloro- ethoxy)- methane, water, unfiltered, recover- able, μg/L (34278) |
|------------|---|---|---|--|---|--|---|--|--|--|
| 07-09-2009 | 5 | < 0.39 | < .02 | < 0.26 | < 0.33 | < 0.40 | < 0.4 | < 0.4 | < 2 | < 0.2 |

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Bis(2- chloroethyl) ether, water, unfiltered, recover- able, μg/L (34273) | Bis(2- chloro- isopropyl) ether, water, unfiltered, recover- able, μg/L (34283) | Bis(2-ethyl- hexyl) phthalate, water, unfiltered, recover- able, μg/L (39100) | Bromo- benzene, water, unfiltered, recover- able, μg/L (81555) | Bromo- chloro- methane, water, unfiltered, recover- able, μg/L (77297) | Bromo- dichloro- methane, water, unfiltered, recover- able, μg/L (32101) | Bromo- ethene, water, unfiltered, recover- able, μg/L (50002) | Chloro- benzene, water, unfiltered, recover- able, μg/L (34301) | Chloro- ethane, water, unfiltered, recover- able, μg/L (34311) | Chloro- methane, water, unfiltered, recover- able, μg/L (34418) |
|------------|---|--|---|---|--|--|--|--|---|--|
| 07-09-2009 | < 0.30 | < 0.38 | < 2 | < .02 | < .06 | < .04 | < .1 | < .02 | < .1 | M |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Chrysene, water, unfiltered, recover- able, μg/L (34320) | cis-1,2-Di- chloro- ethene, water, unfiltered, recover- able, μg/L (77093) | Dibenzo- [a,h]anthra- cene, water, unfiltered, recover- able, μg/L (34556) | Dibromo- chloro- methane, water, unfiltered, recover- able, μg/L (32105) | Dibromo- methane, water, unfiltered, recover- able, μg/L (30217) | Dichloro- difluoro- methane, water, unfiltered, recover- able, μg/L (34668) | Dichloro- methane, water, unfiltered, recover- able, μg/L (34423) | Diethyl ether, water, unfiltered, recover- able, μg/L (81576) | Diethyl phthalate, water, unfiltered, recover- able, μg/L (34336) | Diisopropyl ether, water, unfiltered, recover- able, μg/L (81577) |
|------------|--|--|--|--|---|---|--|--|--|--|
| 07-09-2009 | < 0.33 | .18 | < 0.4 | < .1 | E .04 | < .10 | < 0.04 | < .1 | M | < .06 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341) | Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110) | Di-n-octyl phthalate, water, unfiltered, recover- able, μg/L (34596) | Ethyl metha- crylate, water, unfiltered, recover- able, μg/L (73570) | Ethyl methyl ketone, water, unfiltered, recover- able, μg/L (81595) | Ethyl- benzene, water, unfiltered, recover- able, μg/L (34371) | Fluoran- thene, water, unfiltered, recover- able, μg/L (34376) | Hexa- chloro- butadiene, water, unfiltered, recover- able, μg/L (39702) | Hexa- chloro- cyclopenta- diene, water, unfiltered, recover- able, μg/L (34386) | Hexa- chloro- ethane, water, unfiltered, recover- able, μg/L (34396) |
|------------|---|---|---|--|---|---|---|---|--|--|
| 07-09-2009 | M | < 1 | < 0.6 | < .1 | < 1.6 | < .04 | < 0.30 | < .1 | < 0.4 | < .1 |

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403) | Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133) | Isophorone, water, unfiltered, recover- able, μg/L (34408) | Isopropyl- benzene, water, unfiltered, recover- able, μg/L (77223) | Methyl acetate, water, unfiltered, recover- able, μg/L (77032) | Methyl acrylate, water, unfiltered, recover- able, μg/L (49991) | Methyl acrylo- nitrile, water, unfiltered, recover- able, μg/L (81593) | Methyl metha- crylate, water, unfiltered, recover- able, μg/L (81597) | Methyl tert-butyl ether, water, unfiltered, recover- able, μg/L (78032) | Methyl tert-pentyl ether, water, unfiltered, recover- able, μg/L (50005) |
|------------|--|--|--|---|--|--|--|---|---|--|
| 07-09-2009 | < 0.4 | < .4 | < 0.4 | < .04 | < .4 | < .6 | < .2 | < .2 | E .10 | < .06 |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | N-Nitrosodiphenylamine, water, unfiltered, recoverable, μg/L (34433) | n-Propylbenzene, water, unfiltered, recoverable, μg/L (77224) |
|------------|--|--|---|---|--|--|--|--|--|---|
| 07-09-2009 | E .10 | < .08 | < .2 | < .6 | < .1 | < 0.2 | < 0.2 | < 0.4 | < 0.4 | < .04 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | tert-Butyl ethyl ether, water, unfiltered, recoverable, μg/L (50004) | tert-Butylbenzene, water, unfiltered, recoverable, μg/L (77353) |
|------------|--|--|--|--|--|---|---|--|--|---|
| 07-09-2009 | < .04 | < 0.32 | E .1 | < 0.35 | < .02 | < .04 | < .6 | < 1.00 | < .04 | < .06 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | 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) | Trichlorofluoromethane, water, unfiltered, recoverable, μg/L (34488) | Trichloromethane, water, unfiltered, recoverable, μg/L (32106) |
|------------|---|--|---|---|--|---|---|---|--|--|
| 07-09-2009 | E .02 | < .06 | < 1 | E .01 | < .02 | < .4 | < .10 | .17 | < .08 | E .09 |

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

| Date | Vinyl chloride, water, unfiltered, recoverable, μg/L (39175) |
|------------|--|
| 07-09-2009 | E .1 |