



Water-Data Report 2009

403047074125801 Local number R 129. 1

Northern Atlantic Coastal Plain aquifer system
 Harbor Hill Terminal Moraine
 Richmond County, NY

LOCATION.--Lat 40°30'46.8", long 74°12'58.1" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Mission of the Immaculate Virgin, northwest corner of upper parking lot, across from Omega II building, westernmost well, Mount Loretto, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 79.5 ft. Upper casing diameter 2 in; top of first opening 69.5 ft, bottom of last opening 74.5 ft.

DATUM.--Land-surface datum is 51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft below land-surface datum.

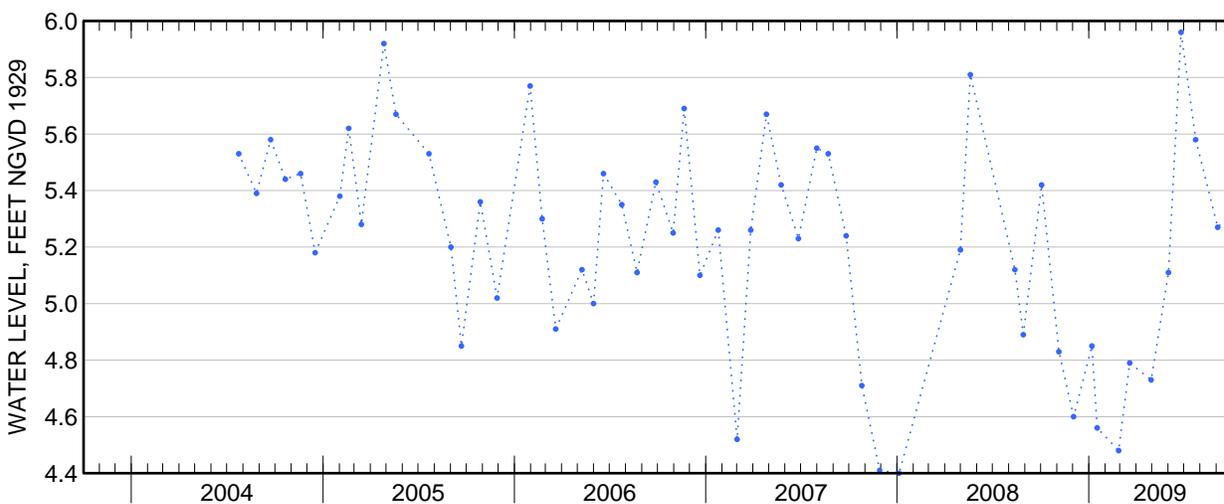
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.96 ft above sea level, June 25, 2009; lowest measured, 4.40 ft above sea level, January 4, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	5.42	Apr 29	4.73
Nov 4	4.83	Jun 1	5.11
Dec 2	4.60	25	5.96
Jan 6	4.85	Jul 23	5.58
16	4.56	Sep 3	5.27
Feb 26	4.48	24	5.31
Mar 19	4.79		





Water-Data Report 2009

403143074115301 Local number R 133. 1

Northern Atlantic Coastal Plain aquifer system
 Harbor Hill Ground Moraine
 Richmond County, NY

LOCATION.--Lat 40°31'43.3", long 74°11'53.4" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at south side of Amboy Road, west of Vernon Avenue, Princes Bay, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 70 ft. Upper casing diameter 2 in; top of first opening 60 ft, bottom of last opening 65 ft.

DATUM.--Land-surface datum is 61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

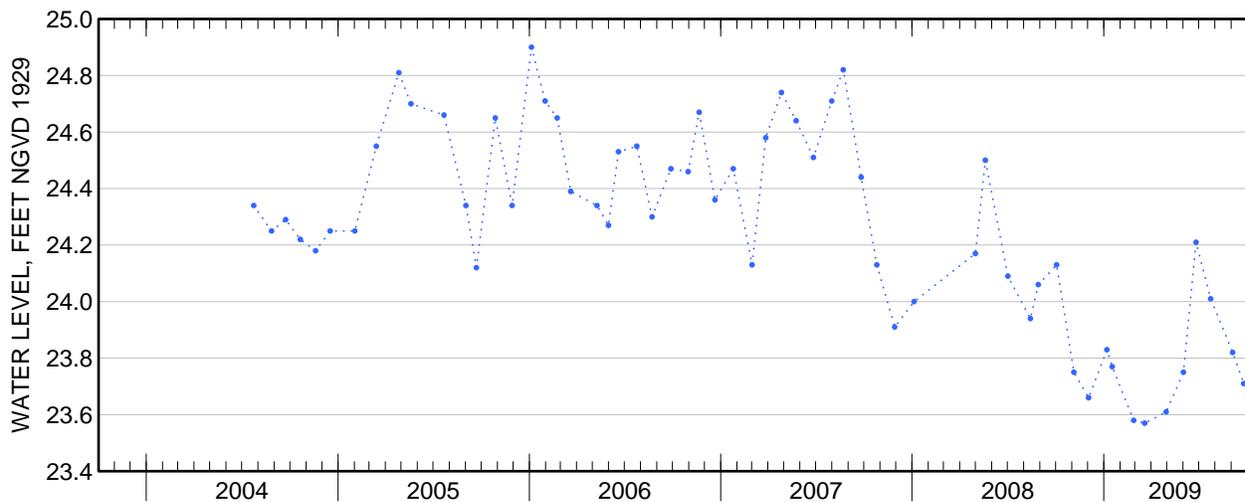
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.90 ft above sea level, January 4, 2006; lowest measured, 23.57 ft above sea level, March 19, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	24.13	Apr 29	23.61
Nov 4	23.75	Jun 1	23.75
Dec 2	23.66	25	24.21
Jan 6	23.83	Jul 23	24.01
16	23.77	Sep 3	23.82
Feb 26	23.58	24	23.71
Mar 19	23.57		





Water-Data Report 2009

403219074111101 Local number R 121. 1

Northern Atlantic Coastal Plain aquifer system
Raritan Formation
Richmond County, NY

LOCATION.--Lat 40°32'18.8", long 74°11'11.4" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northwest corner of North Railroad Street and Ida Court, southeast corner of playground, Huguenot, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 75 ft. Upper casing diameter 2 in; top of first opening 65 ft, bottom of last opening 70 ft.

DATUM.--Land-surface datum is 87.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.43 ft below land-surface datum.

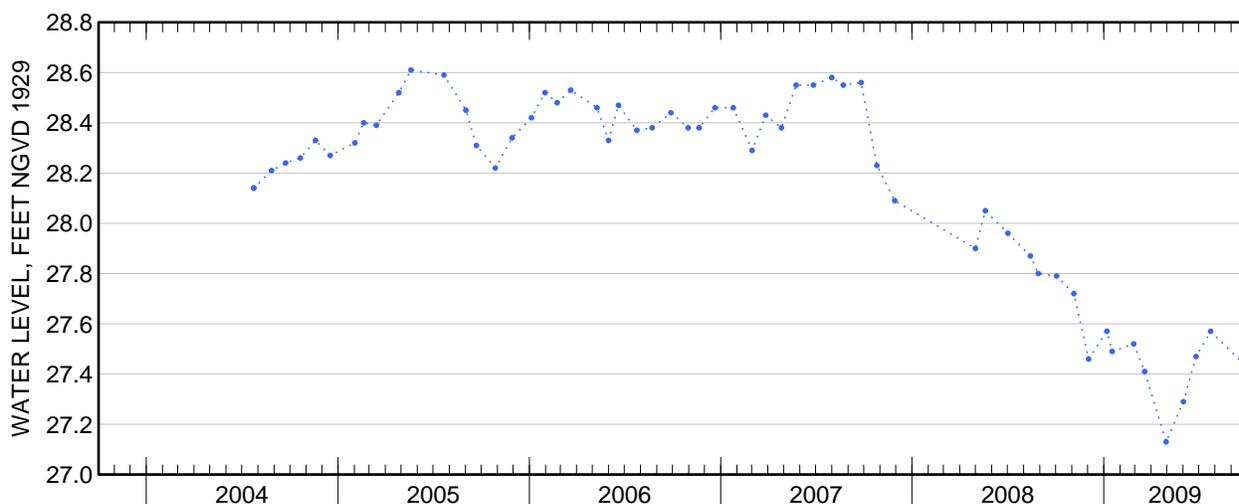
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.61 ft above sea level, May 19, 2005; lowest measured, 27.13 ft above sea level, April 29, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	27.79	Mar 19	27.41
Nov 4	27.72	Apr 29	27.13
Dec 2	27.46	Jun 1	27.29
Jan 6	27.57	25	27.47
16	27.49	Jul 23	27.57
Feb 26	27.52	Sep 24	27.44





Water-Data Report 2009

403234074120001 Local number R 120. 1

Northern Atlantic Coastal Plain aquifer system
Raritan Formation
Richmond County, NY

LOCATION.--Lat 40°32'34.1", long 74°12'00.0" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at south side of Woodrow Road, 122 ft east of Ellsworth Avenue, Woodrow, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 99 ft. Upper casing diameter 2 in; top of first opening 89 ft, bottom of last opening 99 ft.

DATUM.--Land-surface datum is 137 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft below land-surface datum.

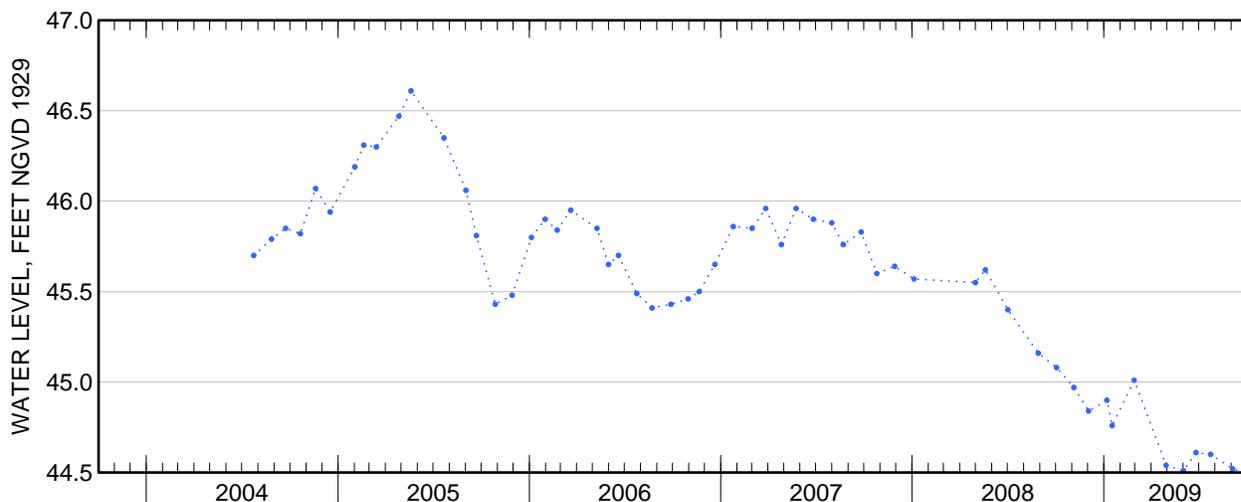
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.61 ft above sea level, May 19, 2005; lowest measured, 44.50 ft above sea level, September 24, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	45.08	Apr 29	44.54
Nov 4	44.97	Jun 1	44.51
Dec 2	44.84	25	44.61
Jan 6	44.90	Jul 23	44.60
16	44.76	Sep 3	44.52
Feb 27	45.01	24	44.50





Water-Data Report 2009

403325074091801 Local number R 140. 1

Northern Atlantic Coastal Plain aquifer system
 Raritan Formation
 Richmond County, NY

LOCATION.--Lat 40°33'25.5", long 74°09'17.8" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northeast corner of Everton Avenue and Leverett Avenue, southernmost well, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 201 ft. Upper casing diameter 4 in; top of first opening 196 ft, bottom of last opening 201 ft.

DATUM.--Land-surface datum is 44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.47 ft below land-surface datum.

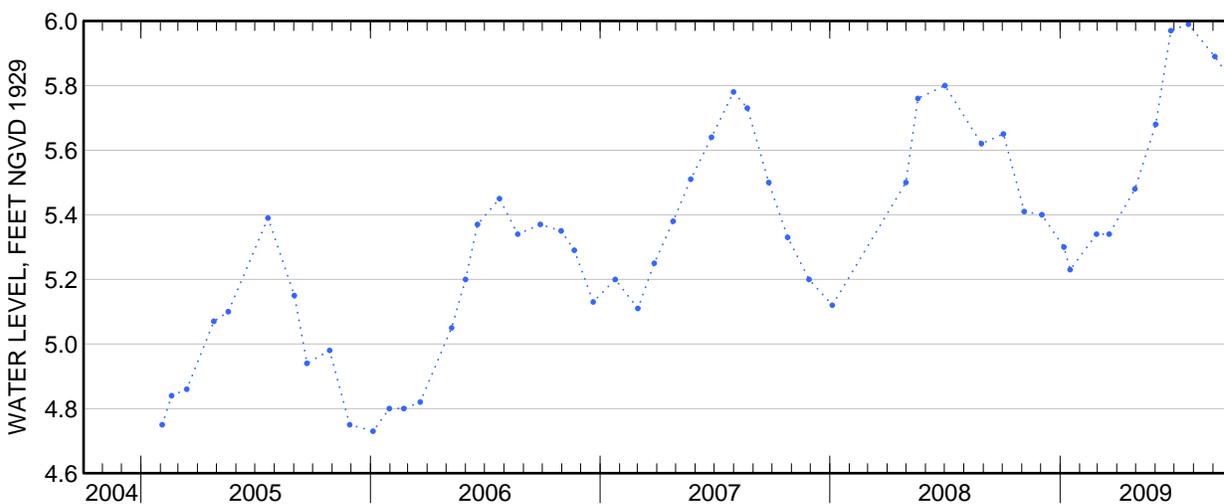
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.99 ft above sea level, July 23, 2009; lowest measured, 4.73 ft above sea level, January 4, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	5.65	Apr 29	5.48
Nov 4	5.41	Jun 1	5.68
Dec 2	5.40	25	5.97
Jan 6	5.30	Jul 23	5.99
16	5.23	Sep 3	5.89
Feb 27	5.34	24	5.83
Mar 19	5.34		



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-26-2009	1015	38.47	< 1.0	7.1	201	13.5	200	106	9.31	1.81

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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)	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)	Nitrite, water, filtered, mg/L as N (00613)
08-26-2009	12.2	13.3	48	13.1	E .09	8.13	14.6	.173	< .04	E .001

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-26-2009	.100	72.0	< .06	8.2	4.2	5,750	7,650	1.88	362	427

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, μg/L (34541)
08-26-2009	< .010	< .06	86.5	1.3	< .12	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3-Dichloropropane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, μg/L (61620)
08-26-2009	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-26-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-26-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-26-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-26-2009	< .05	< .200	M	< .006	< .004	< .010	< .02	< .04	< .01	< 1

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-26-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-26-2009	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-26-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 17 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-26-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-26-2009	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-26-2009	< 2	< .02	< .06	< .04	< .1	< .02	< .1	< .1	< 0.33	< .02

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-26-2009	< 0.4	< .1	< .04	< .10	< 0.04	< .1	< 0.61	< .06	< 0.4	< 1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-26-2009	< 0.6	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-26-2009	< 0.4	< .04	< .4	< .6	< .2	< .2	< .10	< .06	< .10	< .08

403325074091801 Local number R 140. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, 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-Propyl benzene, water, unfiltered, recoverable, μg/L (77224)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	Phenanthrene, water, unfiltered, recoverable, μg/L (34461)
08-26-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Phenol, water, unfiltered, recoverable, μg/L (34694)	Pyrene, water, unfiltered, recoverable, μg/L (34469)	sec-Butyl benzene, 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-Butyl benzene, water, unfiltered, recoverable, μg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, μg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, μg/L (32102)
08-26-2009	< .4	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Tetrahydrofuran, water, unfiltered, recoverable, μg/L (81607)	Toluene, water, unfiltered, recoverable, μg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, μg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, μg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, μg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, μg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, μg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, μg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-26-2009	< 1	< .02	< .02	< .4	< .10	< .02	< .08	< .04	< .1



Water-Data Report 2009

403326074091801 Local number R 141. 1

Northern Atlantic Coastal Plain aquifer system
 Raritan Formation
 Richmond County, NY

LOCATION.--Lat 40°33'25.8", long 74°09'17.9" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northeast corner of Everton Avenue and Leverett Avenue, northernmost well, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 66 ft. Upper casing diameter 4 in; top of first opening 61 ft, bottom of last opening 66 ft.

DATUM.--Land-surface datum is 44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft below land-surface datum.

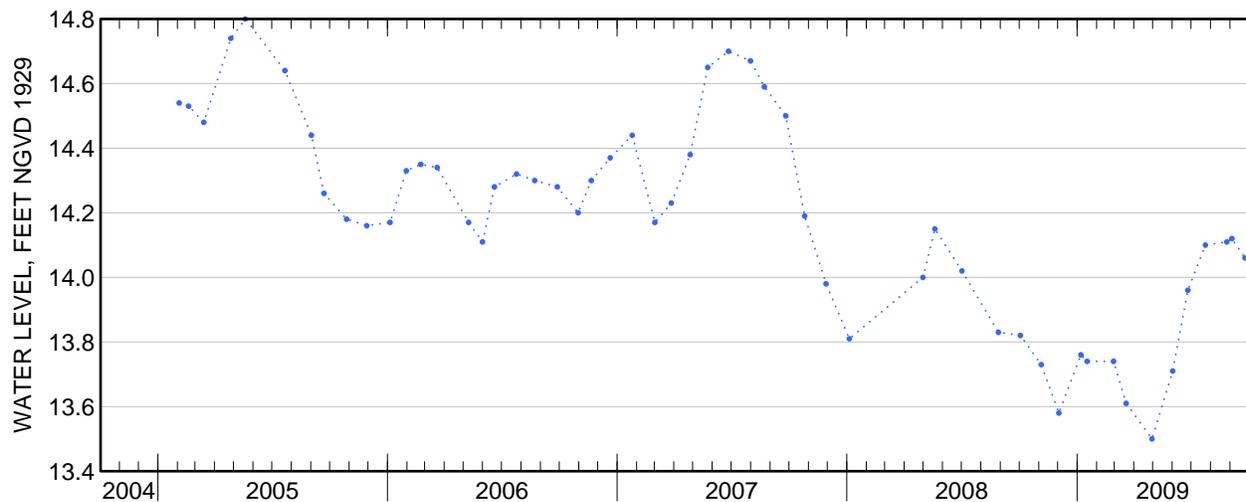
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.80 ft above sea level, May 19, 2005; lowest measured, 13.50 ft above sea level, April 29, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	13.82	Apr 29	13.50
Nov 4	13.73	Jun 1	13.71
Dec 2	13.58	25	13.96
Jan 6	13.76	Jul 23	14.10
16	13.74	Aug 26	14.11
Feb 27	13.74	Sep 3	14.12
Mar 19	13.61	24	14.06



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-26-2009	0835	26.89	< 1.0	5.3	148	15.8	5.3	83	4.53	2.97

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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)	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)	Nitrite, water, filtered, mg/L as N (00613)
08-26-2009	.84	11.1	18	25.8	< .08	13.5	3.81	E .013	E .04	< .002

403326074091801 Local number R 141. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-26-2009	E .005	114	< .06	.54	< 4.0	1,530	1,720	E .07	670	726

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, μg/L (34541)
08-26-2009	< .010	< .06	16.2	E .12	< .12	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3-Dichloropropane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, μg/L (61620)
08-26-2009	< .1	9.79	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-26-2009	< 0.77	< .004	< .08	E .007	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-26-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-26-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-26-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-26-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Trichloroethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Trichloroethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Dichloroethane, water, unfiltered, recoverable, μg/L (34496)
08-26-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	.98

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Dichloroethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Trichloromethylbenzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Trichloromethylbenzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenylhydrazine, water, unfiltered, recoverable, μg/L (82626)
08-26-2009	E .02	< .04	< .1	< .1	.1	< .1	.6	< .04	11.5	< 0.30

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3,5-Tri-methylbenzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitrotoluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitrotoluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloronaphthalene, water, unfiltered, recoverable, μg/L (34581)	2-Chlorophenol, water, unfiltered, recoverable, μg/L (34586)	2-Chlorotoluene, water, unfiltered, recoverable, μg/L (77275)	2-Ethyltoluene, water, unfiltered, recoverable, μg/L (77220)	2-Nitrophenol, water, unfiltered, recoverable, μg/L (34591)
08-26-2009	< .04	11.3	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-26-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-26-2009	E .03	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-26-2009	< 2	E .04	< .06	< .04	< .1	2.44	< .1	< .1	< 0.33	E .06

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-26-2009	< 0.4	< .1	< .04	< .10	< 0.04	< .1	M	< .06	< 0.4	< 1

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-26-2009	< 0.6	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-26-2009	< 0.4	< .04	< .4	< .6	< .2	< .2	< .10	< .06	.10	< .08

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, 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)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	Phenanthrene, water, unfiltered, recoverable, μg/L (34461)
08-26-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Tetra-chloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetra-chloromethane, water, unfiltered, recoverable, μg/L (32102)
08-26-2009	< .4	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	.14	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Tribromo-methane, water, unfiltered, recoverable, μg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, μg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, μg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, μg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-26-2009	< 1	< .02	< .02	< .4	< .10	E .10	< .08	< .04	< .1



Water-Data Report 2009

403337074093401 Local number R 139. 1

Northern Atlantic Coastal Plain aquifer system
Raritan Formation
Richmond County, NY

LOCATION.--Lat 40°33'37.4", long 74°09'33.5" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southeast corner of East Gurley Avenue and Brookfield Avenue, easternmost well, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 122.8 ft. Upper casing diameter 4 in; top of first opening 112.8 ft, bottom of last opening 122.8 ft.

DATUM.--Land-surface datum is 28.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.48 ft below land-surface datum.

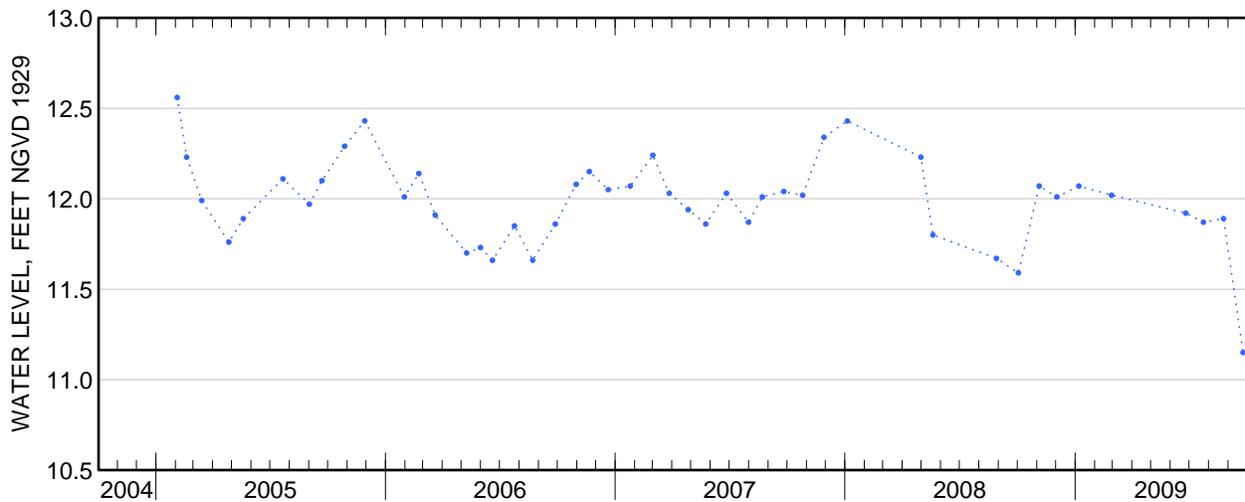
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.56 ft above sea level, February 3, 2005; lowest measured, 11.15 ft above sea level, September 24, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	11.59	Jun 25	11.92
Nov 4	12.07	Jul 23	11.87
Dec 2	12.01	Aug 24	11.89
Jan 6	12.07	24	11.15
Feb 27	12.02		



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	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)	Potassium, water, unfiltered, recoverable, mg/L (00937)
08-24-2009	1130	16.61	4.3	11.1	18.0	6.6	94	30.9	.969	8.29

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	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)	Nitrite, water, filtered, mg/L as N (00613)
08-24-2009	9.3	75	13.6	.11	U	17.3	13.1	.163	.95	.012

403337074093401 Local number R 139. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Orthophosphate, water, filtered, mg/L as P (00671)	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)
08-24-2009	.030	104	.44	6.4	5.2	282	2,820	2.45	5.9	71.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Mercury, water, unfiltered, recoverable, µg/L (71900)	Silver, water, unfiltered, recoverable, µg/L (01077)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,2,3-Trichloro-propane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, µg/L (34541)
08-24-2009	E .007	.09	12.7	1.4	< .12	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	1,3-Dichloro-propane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,4,6-Trichloro-phenol, water, unfiltered, recoverable, µg/L (34621)	2,4-Dichloro-phenol, water, unfiltered, recoverable, µg/L (34601)	2,4-Dimethyl-phenol, water, unfiltered, recoverable, µg/L (34606)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)
08-24-2009	< .1	E .02	< .04	< 0.6	M	< .8	< .006	< .010	< .014	< .010

403337074093401 Local number R 139. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	2-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, µg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, µg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, µg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, µg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, µg/L (34646)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldrin, water, unfiltered, recoverable, µg/L (39330)
08-24-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	alpha-Endosulfan, water, unfiltered, recoverable, µg/L (39388)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphosmethyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphosmethyl, 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)	Bromomethane, water, unfiltered, recoverable, µg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbon disulfide, water, unfiltered, µg/L (77041)	Chlordane (technical), water, unfiltered, recoverable, µg/L (39350)
08-24-2009	< .01	< .007	< .04	< .120	E .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Dichloropropene, 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)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)
08-24-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

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)
08-24-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Fenami- phos, water, filtered, recover- able, µg/L (61591)	Fipronil sulfide, water, filtered, recover- able, µg/L (62167)	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)
08-24-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

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)
08-24-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

403337074093401 Local number R 139. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

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)
08-24-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

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)	Terbuthyl- azine, water, filtered, recover- able, µg/L (04022)	Toxaphene, water, unfiltered, recover- able, µg/L (39400)
08-24-2009	< .05	< .200	E .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

403337074093401 Local number R 139. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	trans-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34699)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	PCBs, water, unfiltered, recoverable, µg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34496)
08-24-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	1,1-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, µg/L (82626)
08-24-2009	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Di-chloro-benzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, µg/L (34581)	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)
08-24-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 17 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Benzo[a]-anthracene, 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)	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)
08-24-2009	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38	< 2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	Chrysene, water, unfiltered, recoverable, µg/L (34320)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibenzo-[a,h]anthra-cene, water, unfiltered, recoverable, µg/L (34556)
08-24-2009	< .02	< .06	< .04	< .1	< .02	< .1	M	< 0.33	< .02	< 0.4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< .1	< .04	< .10	M	< .1	< 0.61	< .06	< 0.4	< 1	< 0.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4	M

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, µg/L (85795)	Naphtha- lene, water, unfiltered, recover- able, µg/L (34696)
08-24-2009	< .04	< .4	< .6	< .2	< .2	E .08	< .06	< .10	< .08	< .2

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butyl-benzene, water, unfiltered, recoverable, µg/L (77342)	Nitro-benzene, water, unfiltered, recoverable, µg/L (34447)	N-Nitro-sodimethyl-amine, water, unfiltered, recoverable, µg/L (34438)	N-Nitro-sodi-n-propyl-amine, water, unfiltered, recoverable, µg/L (34428)	N-Nitro-sodiphenyl-amine, water, unfiltered, recoverable, µg/L (34433)	n-Propyl-benzene, water, unfiltered, recoverable, µg/L (77224)	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	Phenan-threne, water, unfiltered, recoverable, µg/L (34461)	Phenol, water, unfiltered, recoverable, µg/L (34694)
08-24-2009	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	M	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Pyrene, water, unfiltered, recoverable, µg/L (34469)	sec-Butyl-benzene, 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-Butyl-benzene, water, unfiltered, recoverable, µg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydro-furan, water, unfiltered, recoverable, µg/L (81607)
08-24-2009	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06	< 1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
08-24-2009	E .01	< .02	< .4	< .10	< .02	< .08	E .03	< .1



Water-Data Report 2009

403337074093501 Local number R 138. 1

Northern Atlantic Coastal Plain aquifer system
Harbor Hill Terminal Moraine
Richmond County, NY

LOCATION.--Lat 40°33'37.2", long 74°09'34.8" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southwest corner of East Gurley Avenue and Brookfield Avenue, westernmost well, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 60.5 ft. Upper casing diameter 4 in; top of first opening 55.5 ft, bottom of last opening 60.5 ft.

DATUM.--Land-surface datum is 24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.09 ft below land-surface datum.

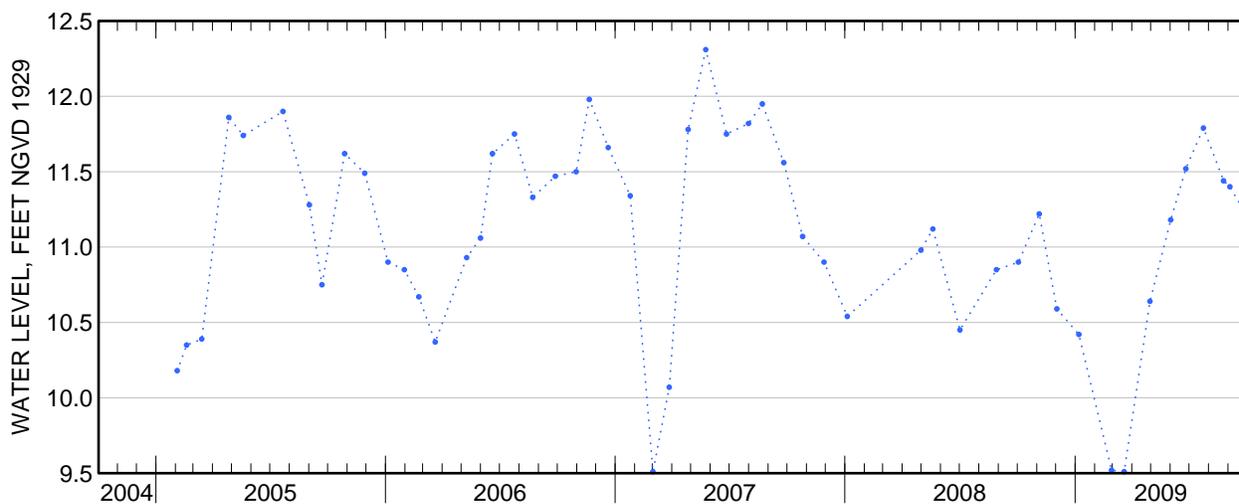
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft above sea level, May 24, 2007; lowest measured, 9.51 ft above sea level, March 1, 2007 and March 19, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	10.90	Jun 1	11.18
Nov 4	11.22	25	11.52
Dec 2	10.59	Jul 23	11.79
Jan 6	10.42	Aug 24	11.44
Feb 27	9.52	Sep 3	11.40
Mar 19	9.51	24	11.25
Apr 29	10.64		



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Sample start time	Depth to water level, ft below land surface (72019)	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)	Potassium, water, unfiltered, recoverable, mg/L (00937)
08-24-2009	1000	12.56	6.8	659	17.2	120	392	76.4	17.5	1.52

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	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)	Nitrite, water, filtered, mg/L as N (00613)
08-24-2009	25.8	186	71.3	.15	U	21.0	43.0	< .020	< .04	< .002

403337074093501 Local number R 138. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-24-2009	.012	484	.59	8.4	< 4.0	553	13,700	.33	653	1,590

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, μg/L (34541)
08-24-2009	< .010	< .06	16.9	21.9	< .12	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	1,3-Dichloropropane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropylamino-6-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, μg/L (61620)
08-24-2009	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010

403337074093501 Local number R 138. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	2-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-24-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)
08-24-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-24-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

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)
08-24-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-24-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

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)
08-24-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

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)
08-24-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-24-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-24-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	.25

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	1,1-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-24-2009	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-24-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39	< .02

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Benzo[a]-anthracene, 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)	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)
08-24-2009	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38	< 2

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	Chloro-ethane, water, unfiltered, recoverable, μg/L (34311)	Chloro-methane, water, unfiltered, recoverable, μg/L (34418)	Chrysene, water, unfiltered, recoverable, μg/L (34320)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (77093)	Dibenzo-[a,h]anthra-cene, water, unfiltered, recoverable, μg/L (34556)
08-24-2009	< .02	< .06	< .04	< .1	< .02	< .1	< .1	< 0.33	< .02	< 0.4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< .1	< .04	< .10	< 0.04	< .1	< 0.61	< .06	< 0.4	< 1	< 0.6

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	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)
08-24-2009	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4	< 0.4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)	Naphtha- lene, water, unfiltered, recover- able, μg/L (34696)
08-24-2009	< .04	< .4	< .6	< .2	< .2	.54	< .06	< .10	< .08	< .2

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl-benzene, water, unfiltered, recoverable, μg/L (77342)	Nitro-benzene, water, unfiltered, recoverable, μg/L (34447)	N-Nitro-sodimethyl-amine, water, unfiltered, recoverable, μg/L (34438)	N-Nitro-sodi-n-propyl-amine, water, unfiltered, recoverable, μg/L (34428)	N-Nitro-sodiphenyl-amine, water, unfiltered, recoverable, μg/L (34433)	n-Propyl-benzene, water, unfiltered, recoverable, μg/L (77224)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	Phenan-threne, water, unfiltered, recoverable, μg/L (34461)	Phenol, water, unfiltered, recoverable, μg/L (34694)
08-24-2009	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Pyrene, water, unfiltered, recoverable, μg/L (34469)	sec-Butyl-benzene, 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-Butyl-benzene, water, unfiltered, recoverable, μg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, μg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, μg/L (32102)	Tetrahydro-furan, water, unfiltered, recoverable, μg/L (81607)
08-24-2009	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06	< 1

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; U, analyzed for but not detected]

Date	Toluene, water, unfiltered, recoverable, μg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, μg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, μg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, μg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, μg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, μg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, μg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-24-2009	< .02	< .02	< .4	< .10	< .02	< .08	< .04	< .1



Water-Data Report 2009

403339074101301 Local number R 137. 1

Northern Atlantic Coastal Plain aquifer system
 Raritan Formation
 Richmond County, NY

LOCATION.--Lat 40°33'39.3", long 74°10'13.3" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southwest corner of Authur Kill Road and Richmond Avenue, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 126 ft. Upper casing diameter 4 in; top of first opening 121 ft, bottom of last opening 126 ft.

DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft below land-surface datum.

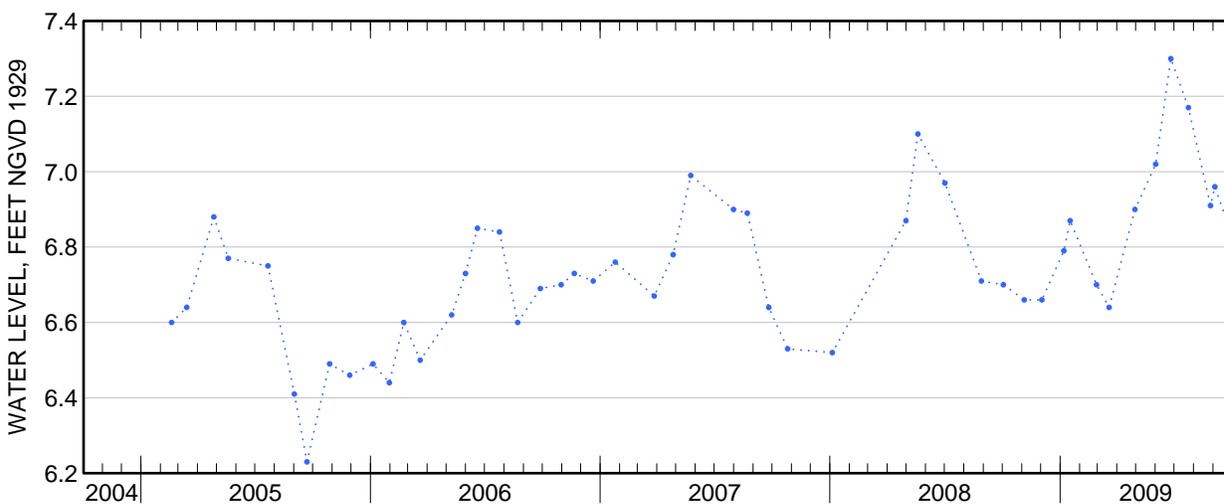
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.30 ft above sea level, June 25, 2009; lowest measured, 6.23 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	6.70	Apr 29	6.90
Nov 4	6.66	Jun 1	7.02
Dec 2	6.66	25	7.30
Jan 6	6.79	Jul 23	7.17
16	6.87	Aug 27	6.91
Feb 27	6.70	Sep 3	6.96
Mar 19	6.64	24	6.86



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	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)	Potassium, water, unfiltered, recoverable, mg/L (00937)
08-27-2009	1445	8.09	6.2	11.1	14.9	47	254	11.8	4.99	66.3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint 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)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)
08-27-2009	36.6	159	20.9	E .08	4.96	20.6	E .013	.19	< .002	E .006

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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, unfiltered, recover- able, µg/L (01046)	Iron, water, filtered, µg/L (01045)	Lead, water, unfiltered, recover- able, µg/L (01051)	Manga- nese, water, filtered, µg/L (01056)	Manga- nese, water, unfiltered, recover- able, µg/L (01055)	Mercury, water, unfiltered, recover- able, µg/L (71900)
08-27-2009	172	1.98	11.9	11.3	6	8,900	7.53	10.1	282	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; 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)
08-27-2009	E .05	115	2.1	.14	< .12	< 1.0	< .04	< .1	< .02	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; 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)	2-Methyl- 4,6-dinitro- phenol, water, unfiltered, recover- able, µg/L (34657)
08-27-2009	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010	< 0.77

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Aldrin, water, unfiltered, recoverable, µg/L (39330)	alpha-Endosulfan, water, unfiltered, recoverable, µg/L (39388)
08-27-2009	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Chlorpyrifos, oxygen analog, water, filtered, recoverable, µg/L (61636)
08-27-2009	< .007	< .04	< .120	E .010	< .4	< .200	E .06	< .1	< .05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Chlor-pyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Di-chloro-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)	Cyper-methrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil, amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlorvos, water, filtered, recoverable, µg/L (38775)
08-27-2009	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005	< .02

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Fenami-phos, water, filtered, recover-able, µg/L (61591)
08-27-2009	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Fipronil sulfide, water, filtered, recover-able, µg/L (62167)	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)	Isofenphos, water, filtered, recover-able, µg/L (61594)
08-27-2009	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014	< .006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Mirex, water, unfiltered, recover-able, µg/L (39755)
08-27-2009	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016	< .006

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; 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)	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)	Phosmet oxygen analog, water, filtered, recover- able, µg/L (61668)
08-27-2009	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020	< .05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Terbuthyl- azine, water, filtered, recover- able, µg/L (04022)	Toxaphene, water, unfiltered, recover- able, µg/L (39400)	trans-1,3- Dichloro- propene, water, unfiltered, recover- able, µg/L (34699)
08-27-2009	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1	< .10

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	1,1-Di- chloro- ethane, water, unfiltered, recover- able, µg/L (34496)	1,1-Di- chloro- ethene, water, unfiltered, recover- able, µg/L (34501)
08-27-2009	< .035	E .010	< .1	< .04	< .02	< .10	< .04	< .06	< .04	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	1,2- Diphenyl- hydrazine, water, unfiltered, recover- able, µg/L (82626)	1,3,5-Tri- methyl- benzene, water, unfiltered, recover- able, µg/L (77226)
08-27-2009	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	2-Chloro- phenol, water, unfiltered, recover- able, µg/L (34586)	2-Chloro- toluene, water, unfiltered, recover- able, µg/L (77275)	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)
08-27-2009	< .02	< .06	< 0.6	< 1	< 0.2	< 0.42	< .02	< .02	< 0.4	< 0.4

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 17 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	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)
08-27-2009	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	115	< 0.39	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Benzo[a]-anthracene, 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)	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)
08-27-2009	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38	< 2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	Chrysene, water, unfiltered, recoverable, µg/L (34320)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibenzo-[a,h]anthra-cene, water, unfiltered, recoverable, µg/L (34556)
08-27-2009	< .02	< .06	< .04	< .1	< .02	< .1	M	< 0.33	< .02	< 0.4

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	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)
08-27-2009	< .1	< .04	< .10	M	< .1	< 0.61	< .06	< 0.4	M	< 0.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	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)
08-27-2009	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4	M

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, µg/L (85795)	Naphtha- lene, water, unfiltered, recover- able, µg/L (34696)
08-27-2009	< .04	< .4	< .6	< .2	< .2	E .06	< .06	< .10	< .08	< .2

403339074101301 Local number R 137. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	Phenanthrene, water, unfiltered, recoverable, µg/L (34461)	Phenol, water, unfiltered, recoverable, µg/L (34694)
08-27-2009	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)
08-27-2009	< 0.35	< .02	< .04	< .6	1.80	< .04	< .06	E .02	< .06	M

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichlorobutene, 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)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
08-27-2009	E .01	< .02	< .4	< .10	< .02	< .08	E .03	M



Water-Data Report 2009

403402074090701 Local number R 142. 1

Northern Atlantic Coastal Plain aquifer system
 Harbor Hill Terminal Moraine
 Richmond County, NY

LOCATION.--Lat 40°34'02.4", long 74°09'07.3" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southeast corner of Tanglewood Drive and Arthur Kill Road, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 15 ft. Upper casing diameter 4 in; top of first opening 10 ft, bottom of last opening 15 ft.

DATUM.--Land-surface datum is 13.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.42 ft below land-surface datum.

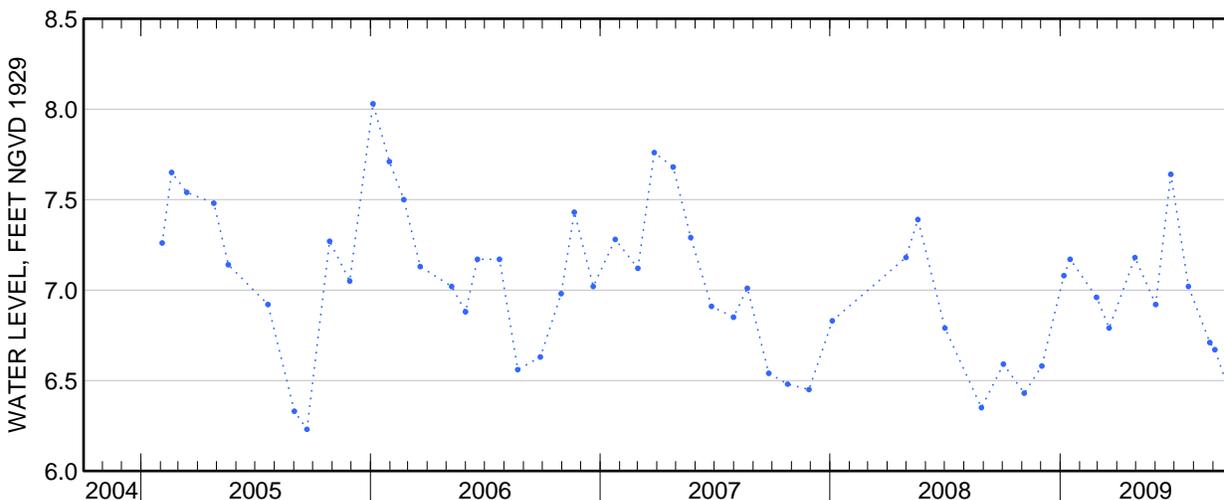
PERIOD OF RECORD.--February 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.03 ft above sea level, January 4, 2006; lowest measured, 6.23 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	6.59	Apr 29	7.18
Nov 4	6.43	Jun 1	6.92
Dec 2	6.58	25	7.64
Jan 6	7.08	Jul 23	7.02
16	7.17	Aug 26	6.71
Feb 27	6.96	Sep 3	6.67
Mar 19	6.79	24	6.46



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-26-2009	1510	6.79	< 1.0	6.6	884	16.0	2.0	557	75.0	68.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Nitrite, water, filtered, mg/L as N (00613)
08-26-2009	1.92	22.5	439	41.1	E .08	41.8	25.2	.022	E .02	< .002

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-26-2009	.018	162	E .05	< .40	E 2.2	1,540	2,050	E .05	1,360	1,580

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloro-propane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, μg/L (34541)
08-26-2009	< .010	< .06	19.9	2.0	.21	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,3-Dichloro-propane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichloro-phenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichloro-phenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethyl-phenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, μg/L (61620)
08-26-2009	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	2-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-26-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)
08-26-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-26-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-26-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-26-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-26-2009	.010	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-26-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-26-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-26-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,1-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-26-2009	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-26-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 17 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-26-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-26-2009	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-26-2009	< 2	< .02	< .06	< .04	< .1	< .02	< .1	< .1	< 0.33	< .02

403402074090701 Local number R 142. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-26-2009	< 0.4	< .1	< .04	< .10	< 0.04	< .1	< 0.61	< .06	< 0.4	< 1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-26-2009	< 0.6	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-26-2009	< 0.4	< .04	< .4	< .6	< .2	< .2	.40	E .05	< .10	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, water, unfiltered, recoverable, μg/L (77342)	Nitrobenzene, water, unfiltered, recoverable, μg/L (34447)	N-Nitrosodimethylamine, water, unfiltered, recoverable, μg/L (34438)	N-Nitrosopropylamine, water, unfiltered, recoverable, μg/L (34428)	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)
08-26-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)
08-26-2009	< .4	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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-Dichlorobutene, 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)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-26-2009	< 1	< .02	< .02	< .4	< .10	< .02	< .08	E .02	< .1



Water-Data Report 2009

403513074055701 Local number R 123. 1

Northern Atlantic Coastal Plain aquifer system
 Harbor Hill Ground Moraine
 Richmond County, NY

LOCATION.--Lat 40°35'13.2", long 74°05'56.8" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southeast corner of McArthur Park, dead end of Dongan Hills Avenue, southwest of North Railroad Avenue, Dongan Hills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 31 ft. Upper casing diameter 2 in; top of first opening 21 ft, bottom of last opening 26 ft.

DATUM.--Land-surface datum is 27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.76 ft below land-surface datum.

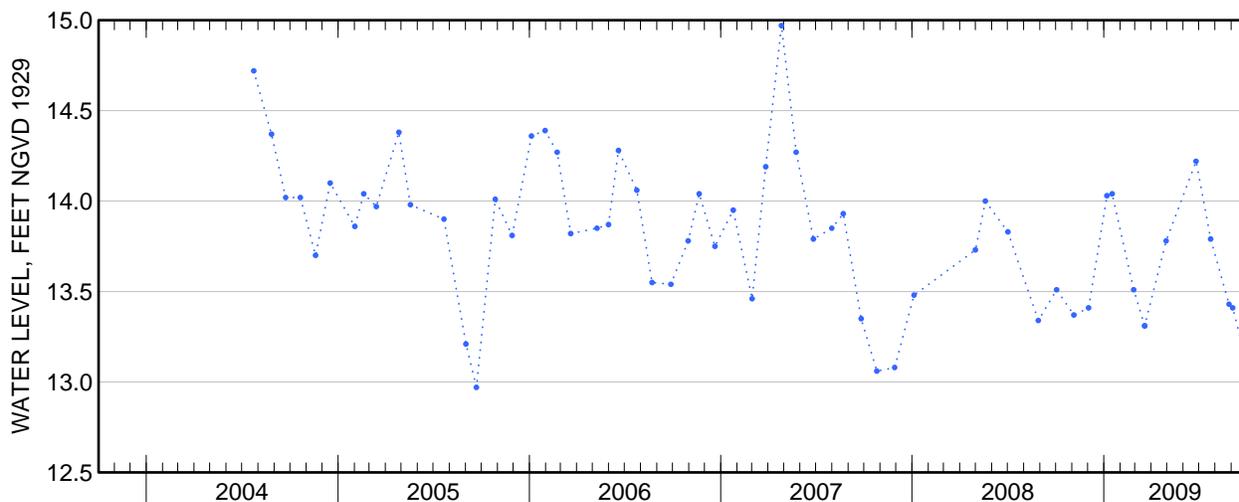
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.97 ft above sea level, April 26, 2007; lowest measured, 12.97 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	13.51	Apr 29	13.78
Nov 4	13.37	25	14.22
Dec 2	13.41	Jul 23	13.79
Jan 6	14.03	Aug 27	13.43
16	14.04	Sep 3	13.41
Feb 26	13.51	24	13.17
Mar 19	13.31		



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-27-2009	0725	13.57	1.6	8.5	594	14.8	8.6	334	3.35	44.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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)	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)	Nitrite, water, filtered, mg/L as N (00613)
08-27-2009	2.23	46.4	154	98.3	< .08	4.13	12.2	< .020	2.63	E .001

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-27-2009	.026	43.9	< .06	3.0	< 4.0	< 4	372	.47	5.1	11.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, μg/L (34541)
08-27-2009	< .010	< .06	E 1.9	.55	.31	< .12	< 1.0	< .04	< .1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3-Dichloropropane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, μg/L (61620)
08-27-2009	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014	< .010

403513074055701 Local number R 123. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-27-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-27-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-27-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-27-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-27-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-27-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)
08-27-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-27-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-27-2009	< .10	< .035	< .012	< .1	< .04	.24	< .10	< .04	< .06	.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-27-2009	.11	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-27-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-27-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	M

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-27-2009	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-27-2009	< 2	< .02	< .06	E .04	< .1	< .02	< .1	< .1	M	E .09

403513074055701 Local number R 123. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-27-2009	< 0.4	< .1	< .04	E .02	M	< .1	< 0.61	< .06	< 0.4	< 1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-27-2009	< 0.6	< .1	< 1.6	< .04	M	< .1	< 0.4	< .1	< 0.4	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-27-2009	< 0.4	< .04	< .4	< .6	< .2	< .2	.14	< .06	< .10	< .08

403513074055701 Local number R 123. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, water, unfiltered, recoverable, μg/L (77342)	Nitrobenzene, water, unfiltered, recoverable, μg/L (34447)	N-Nitrosodimethylamine, water, unfiltered, recoverable, μg/L (34438)	N-Nitrosopropylamine, water, unfiltered, recoverable, μg/L (34428)	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)
08-27-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)
08-27-2009	< .4	M	< .02	< .04	< .6	< 1.00	< .04	< .06	3.83	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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	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-Dichlorobutene, 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)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-27-2009	< 1	< .02	< .02	< .4	< .10	.15	< .08	1.66	< .1



Water-Data Report 2009

403735074071401 Local number R 128. 1

Northern Atlantic Coastal Plain aquifer system
Harbor Hill Ground Moraine
Richmond County, NY

LOCATION.--Lat 40°37'35.4", long 74°07'13.5" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northeast corner of Clove Lakes Park, west side of Clove Road, across from Ludwig Street, West Brighton, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 55 ft. Upper casing diameter 2 in; top of first opening 35 ft, bottom of last opening 55 ft.

DATUM.--Land-surface datum is 97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.69 ft below land-surface datum.

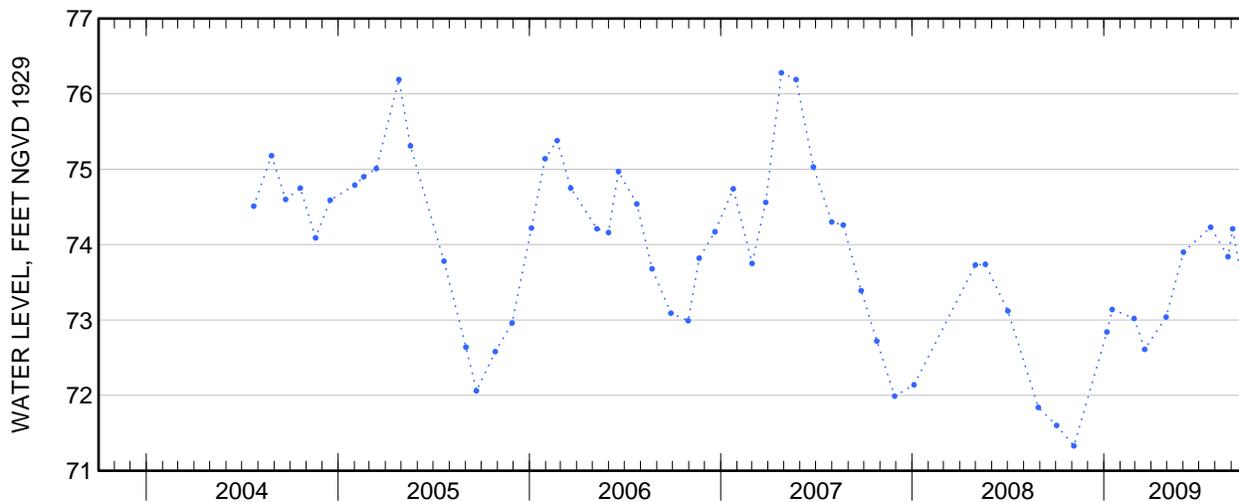
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.28 ft above sea level, April 26, 2007; lowest measured, 71.33 ft above sea level, November 4, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	71.60	Apr 29	73.04
Nov 4	71.33	Jun 1	73.90
Jan 6	72.84	Jul 23	74.23
16	73.14	Aug 25	73.84
Feb 27	73.02	Sep 3	74.21
Mar 19	72.61	24	73.36



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-25-2009	0950	23.16	9.5	7.0	1,060	13.8	3.6	622	67.0	47.8

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint 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)	Nitrite, water, filtered, mg/L as N (00613)
08-25-2009	2.16	66.0	190	199	E .07	32.1	43.0	< .020	4.11	< .002

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Orthophosphate, water, filtered, mg/L as P (00671)	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, unfiltered, recoverable, 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)
08-25-2009	.144	204	<.06	15.9	<4.0	E 2	92	.26	.5	2.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, μg/L (34541)
08-25-2009	<.010	<.06	<2.0	1.3	1.1	<.12	<1.0	<.04	<.1	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,3-Dichloropropane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, μg/L (61620)
08-25-2009	<.1	<.02	<.04	<0.6	<0.39	<.8	<.006	<.010	E .002	<.010

403735074071401 Local number R 128. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	2-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable, μg/L (34657)	3,4-Dichloroaniline, water, filtered, recoverable, μg/L (61625)	3-Chloropropene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, μg/L (61633)	4-Chloro-3-methylphenol, water, filtered, recoverable, μg/L (34452)	4-Nitrophenol, water, unfiltered, recoverable, μg/L (34646)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, μg/L (34215)	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldrin, water, unfiltered, recoverable, μg/L (39330)
08-25-2009	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008	< .01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)
08-25-2009	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Chlorpyrifos oxygen analog, water, filtered, recoverable, μg/L (61636)	Chlorpyrifos, water, filtered, recoverable, μg/L (38933)	cis-1,3-Dichloropropene, 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)
08-25-2009	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-25-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-25-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-25-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014	< .016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)
08-25-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-25-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

403735074071401 Local number R 128. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-25-2009	< .10	< .035	< .012	< .1	< .04	.11	< .10	< .04	< .06	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,1-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-25-2009	E .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-25-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

403735074071401 Local number R 128. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 17 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-25-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	< 0.39

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 18 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-25-2009	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2	< 0.2	< 0.30	< 0.38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 19 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-25-2009	< 2	< .02	< .06	< .04	< .1	< .02	< .1	< .1	< 0.33	< .02

403735074071401 Local number R 128. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 20 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-25-2009	< 0.4	< .1	< .04	E .01	< 0.04	< .1	< 0.61	< .06	< 0.4	< 1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 21 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-25-2009	< 0.6	< .1	< 1.6	< .04	< 0.30	< .1	< 0.4	< .1	< 0.4	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 22 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-25-2009	< 0.4	< .04	< .4	< .6	< .2	< .2	E .04	< .06	E .05	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 23 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, water, unfiltered, recoverable, μg/L (77342)	Nitrobenzene, water, unfiltered, recoverable, μg/L (34447)	N-Nitrosodimethylamine, water, unfiltered, recoverable, μg/L (34438)	N-Nitrosopropylamine, water, unfiltered, recoverable, μg/L (34428)	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)
08-25-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	< 0.32

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 24 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)
08-25-2009	< .4	< 0.35	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 25 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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]

Date	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-Dichlorobutene, 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)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-25-2009	< 1	< .02	< .02	< .4	< .10	< .02	< .08	.98	< .1



Water-Data Report 2009

403813074075401 Local number R 117. 1

Northern Atlantic Coastal Plain aquifer system
Harbor Hill Ground Moraine
Richmond County, NY

LOCATION.--Lat 40°38'13.1", long 74°07'54.5" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Veteran's Park, northwest dead end of Vreeland Street and Heberton Avenue, Port Richmond, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 66 ft. Upper casing diameter 2 in; top of first opening 56 ft, bottom of last opening 61 ft.

DATUM.--Land-surface datum is 32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft below land-surface datum.

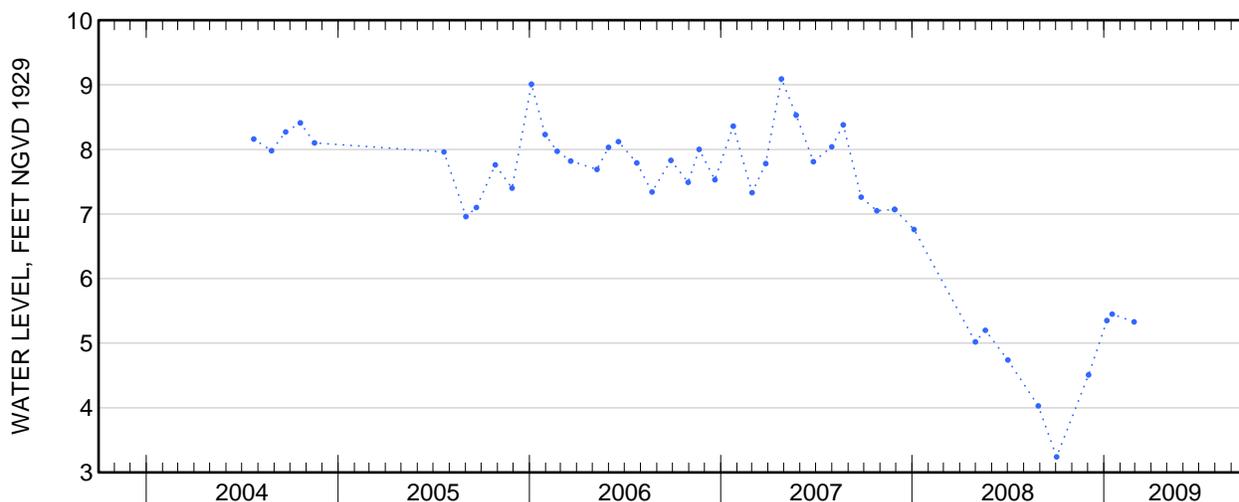
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.09 ft above sea level, April 26, 2007; lowest measured, 3.24 ft above sea level, October 2, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Water level	Date	Water level
Oct 2	3.24	Jan 16	5.45
Dec 2	4.51	Feb 27	5.33
Jan 6	5.35		





Water-Data Report 2009

403827074060101 Local number R 116. 1

Northern Atlantic Coastal Plain aquifer system
Harbor Hill Ground Moraine
Richmond County, NY

LOCATION.--Lat 40°38'27.5", long 74°06'01.6" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Snug Harbor Cultural Center, southern end of southeast parking lot near Fillmore Street entrance, Livingston, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 70 ft. Upper casing diameter 2 in; top of first opening 30 ft, bottom of last opening 40 ft.

DATUM.--Land-surface datum is 57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft below land-surface datum.

PERIOD OF RECORD.--July 2004 to current year.

GAGE.--Digital water-level recorder; 15-minute recording interval. Periodic measurements made with chalked steel tape by U.S. Geological Survey personnel.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.78 ft above sea level, May 9 and 10, 2007; lowest recorded, 22.96 ft above sea level, January 13, 2009.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 28.27 ft above sea level, July 17; lowest recorded, 22.96 ft above sea level, January 13.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

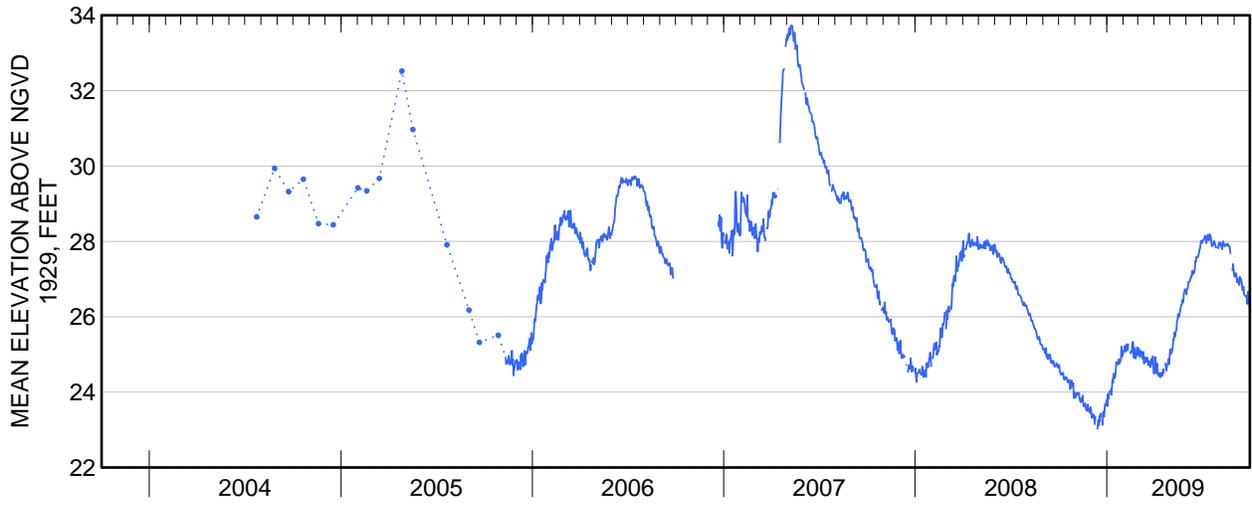
Date	Water level	Date	Water level
Nov 7	23.94	Jun 3	26.71
Feb 11	25.42	Aug 25	27.07
13	24.96		

403827074060101 Local number R 116. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24.73	23.96	23.53	23.63	25.11	25.12	24.62	25.14	26.59	27.96	27.82	27.06
2	24.62	23.86	23.32	23.95	25.12	25.16	24.66	25.03	26.74	28.02	27.97	27.09
3	24.52	23.94	23.36	23.82	25.23	24.96	24.93	25.01	26.74	28.02	27.90	27.16
4	24.47	23.93	23.41	23.89	25.14	24.94	24.60	25.06	26.81	28.05	27.95	27.14
5	24.49	23.98	23.32	24.00	25.07	24.94	24.50	25.12	26.93	28.07	27.97	27.02
6	24.47	23.98	23.40	24.04	25.13	25.10	24.76	25.22	26.92	28.13	27.90	26.91
7	24.48	23.94	23.39	---	25.27	25.02	24.59	25.41	26.94	28.15	27.83	27.00
8	24.52	23.97	23.15	24.09	25.26	25.04	24.46	25.39	26.97	28.06	27.79	27.01
9	24.49	23.84	23.31	23.93	25.11	24.97	24.43	25.58	27.04	27.95	27.93	26.88
10	24.35	23.77	23.35	24.15	25.29	24.88	24.45	25.47	27.04	28.00	28.00	26.84
11	24.33	23.73	---	24.33	---	25.07	24.50	25.56	27.11	28.14	27.96	27.06
12	24.34	23.74	---	24.25	---	24.76	24.39	25.62	27.22	28.18	27.87	27.02
13	24.40	23.84	23.01	24.49	---	24.83	24.47	25.66	27.12	28.12	27.88	27.01
14	24.40	23.83	23.15	24.36	25.09	24.92	24.51	25.89	27.18	28.03	27.88	26.93
15	24.37	23.91	23.26	24.40	25.03	24.90	24.50	25.92	27.20	28.04	27.92	26.86
16	24.37	23.69	23.12	24.40	25.07	24.81	24.43	26.07	27.18	28.19	27.89	26.71
17	24.28	23.62	23.36	24.54	25.09	24.86	24.55	26.03	27.26	28.14	27.89	26.77
18	24.26	23.65	23.22	24.79	25.33	24.92	24.61	26.00	27.48	28.06	27.93	26.80
19	24.26	23.68	23.43	24.79	25.33	24.85	24.49	26.07	27.46	27.89	27.94	26.59
20	24.32	23.70	23.35	24.77	25.05	24.72	---	26.17	27.59	27.87	27.90	26.58
21	24.32	23.57	---	24.73	24.91	24.72	---	26.25	27.57	27.92	27.86	26.56
22	24.08	23.52	23.18	24.78	25.17	24.82	24.78	26.31	27.58	27.90	27.87	26.54
23	24.11	23.50	23.13	24.87	24.98	24.72	24.60	26.31	27.59	28.00	27.80	26.56
24	24.19	23.60	23.50	24.76	24.89	24.66	24.57	26.44	27.64	28.01	27.67	26.50
25	24.31	23.67	---	24.78	24.94	24.74	24.72	26.41	27.70	27.93	---	26.34
26	24.18	23.50	23.33	24.83	25.05	24.88	24.73	26.38	27.79	27.93	---	26.43
27	24.14	23.50	23.58	24.88	25.19	24.75	24.77	26.62	27.82	27.85	27.22	26.67
28	24.24	23.55	23.69	25.21	24.99	24.74	24.88	26.64	27.93	27.82	27.25	26.50
29	23.93	23.45	23.66	24.94	---	24.95	24.74	26.73	28.02	---	27.40	26.36
30	23.84	23.60	23.68	25.05	---	24.64	24.94	26.69	27.98	27.82	27.23	26.21
31	23.99	---	23.79	25.01	---	24.49	---	26.68	---	27.85	27.09	---
Mean	24.32	23.73	23.37	24.48	25.11	24.87	24.61	25.90	27.30	28.00	27.78	26.77
Max	24.73	23.98	23.79	25.21	25.33	25.16	24.94	26.73	28.02	28.19	28.00	27.16
Min	23.84	23.45	23.01	23.63	24.89	24.49	24.39	25.01	26.59	27.82	27.09	26.21
Med	24.33	23.71	23.35	24.52	25.11	24.88	24.60	26.00	27.21	28.02	27.88	26.82

	Calendar Year 2008	Water Year 2009
Mean	25.76	25.54
Max	28.21	28.19
Min	23.01	23.01
Med	25.52	25.03



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)
08-25-2009	1230	29.93	4.9	5.7	306	19.7	7.3	186	29.8	17.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint titration, laboratory, mg/L as CaCO ₃ (90410)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	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)
08-25-2009	3.62	5.9	91	11.5	E .07	U	31.4	31.2	E .012	1.22

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	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)
08-25-2009	E .002	.086	138	.23	50.5	20.0	135	5,240	10.7	398

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Manganese, water, unfiltered, recoverable, μg/L (01055)	Mercury, water, unfiltered, recoverable, μg/L (71900)	Silver, water, unfiltered, recoverable, μg/L (01077)	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1,2,3-Trichloro-propane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, μg/L (32103)
08-25-2009	1,050	.012	E .05	29.9	3.1	E .06	< .12	< 1.0	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	1,2-Dichloro-propane, water, unfiltered, recoverable, μg/L (34541)	1,3-Dichloro-propane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4,6-Trichloro-phenol, water, unfiltered, recoverable, μg/L (34621)	2,4-Dichloro-phenol, water, unfiltered, recoverable, μg/L (34601)	2,4-Dimethyl-phenol, water, unfiltered, recoverable, μg/L (34606)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)
08-25-2009	< .02	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010	< .014

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .010	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .01	< .01	< .007	< .04	< .120	< .014	< .4	< .200	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .05	< .018	< .10	< .014	< .016	< .020	< .006	< .029	< .012	< .005

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Fenami- phos, water, filtered, recover- able, μg/L (61591)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	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)
08-25-2009	< .03	< .013	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .011	< .014	< .016

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)
08-25-2009	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

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)	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)
08-25-2009	< .05	< .200	< .01	< .006	< .004	< .010	< .02	< .04	< .01	< 1

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	trans-1,3-Dichloropropene, water, unfiltered, recoverable, μg/L (34699)	Tribuphos, water, filtered, recoverable, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82661)	PCBs, water, unfiltered, recoverable, μg/L (39516)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)
08-25-2009	< .10	< .035	< .012	< .1	< .04	< .02	< .10	< .04	< .06	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 15 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	1,1-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, μg/L (82626)
08-25-2009	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04	< .02	< 0.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 16 of 25

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)	2,4-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, μg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, μg/L (34581)	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)
08-25-2009	< .04	< .02	< .06	< 0.6	< 0.43	< 0.2	< 0.42	< .02	< .02	< 0.4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, μg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, μg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, μg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, μg/L (34381)	Acenaphthene, water, unfiltered, recoverable, μg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, μg/L (34200)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Anthracene, water, unfiltered, recoverable, μg/L (34220)
08-25-2009	< 0.4	< 0.36	< 0.34	< .02	< .06	< 0.33	< 0.28	< 0.30	< 4	M

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Benzene, water, unfiltered, recoverable, μg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, μg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, μg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, μg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, μg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, μg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, μg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, μg/L (34278)	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, μg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, μg/L (34283)
08-25-2009	< .02	< 0.26	M	M	< 0.4	M	< 2	< 0.2	< 0.30	< 0.38

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, μg/L (39100)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	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)
08-25-2009	< 2	< .02	< .06	< .04	< .1	< .02	< .1	< .1	M	< .02

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	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)	Dimethyl phthalate, water, unfiltered, recover- able, μg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover- able, μg/L (39110)
08-25-2009	< 0.4	< .1	< .04	< .10	< 0.04	< .1	M	< .06	M	M

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	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)	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, μg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, μg/L (78133)
08-25-2009	M	< .1	< 1.6	< .04	M	< .1	< 0.4	< .1	< 0.4	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	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)	Methylene blue active sub- stances, water, unfiltered, recover- able, mg/L (38260)	m-Xylene plus p- xylene, water, unfiltered, recover- able, μg/L (85795)
08-25-2009	M	< .04	< .4	< .6	< .2	< .2	< .10	< .06	.19	< .08

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl benzene, 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)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	Phenanthrene, water, unfiltered, recoverable, μg/L (34461)
08-25-2009	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4	< .04	< .04	M

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	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)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)
08-25-2009	< .4	M	< .02	< .04	< .6	< 1.00	< .04	< .06	< .04	< .06

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft, feet; 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; U, analyzed for but not detected]

Date	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)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
08-25-2009	M	< .02	< .02	< .4	< .10	< .02	< .08	E .01	< .1