



Water-Data Report 2008

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, 24.20 ft above sea level, January 2 and 3, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 28.31 ft above sea level, April 12; lowest recorded, 24.20 ft above sea level, January 2 and 3.

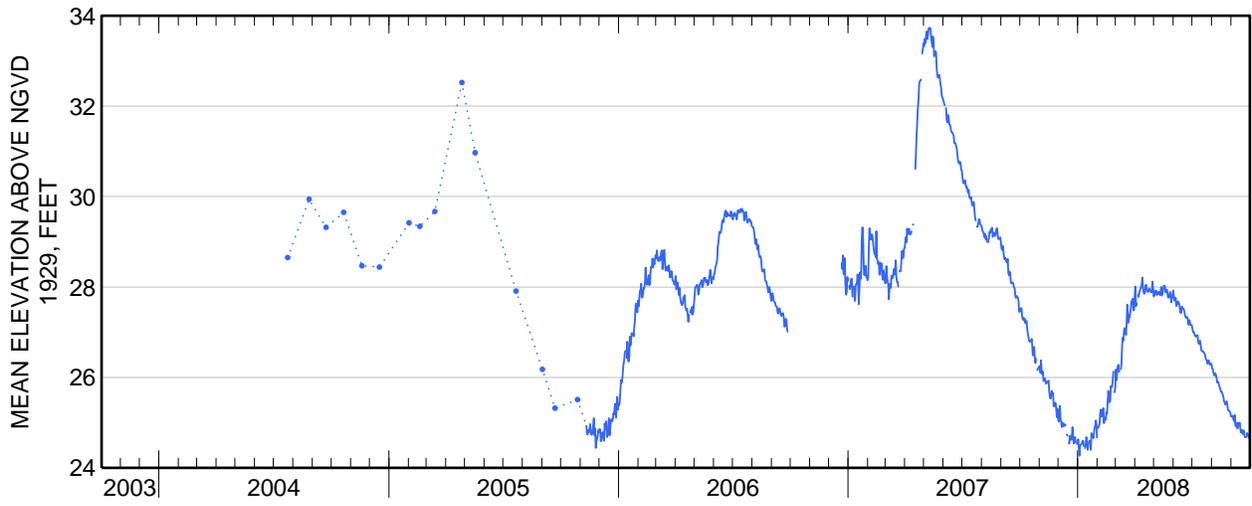
403827074060101 Local number R 116. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27.51	26.24	25.02	24.63	---	26.17	28.01	27.81	27.82	27.04	26.20	25.13
2	27.53	26.10	25.19	24.42	24.88	25.94	27.58	27.90	27.70	27.00	26.19	25.15
3	27.53	26.38	25.37	24.27	24.93	26.15	27.64	27.92	27.71	27.01	26.11	25.14
4	27.35	26.16	25.08	24.47	24.97	26.26	---	27.92	27.76	26.95	26.06	25.07
5	27.28	26.07	25.01	24.51	25.20	26.28	27.82	27.82	27.58	26.94	26.04	25.03
6	27.32	26.13	24.90	24.52	25.29	26.12	27.78	27.86	27.60	26.90	26.09	25.17
7	27.26	25.92	25.00	24.54	25.13	---	27.87	27.86	27.68	26.91	26.05	24.93
8	27.30	25.93	24.97	24.59	25.18	---	27.92	27.90	27.68	26.93	25.99	24.92
9	27.20	25.98	24.92	24.60	25.28	26.18	27.96	27.86	27.65	26.93	25.89	25.00
10	27.23	25.93	24.97	24.48	25.32	26.33	28.00	27.82	27.60	26.78	25.90	24.87
11	27.25	25.86	24.94	---	24.99	26.71	28.06	27.86	27.48	26.74	25.90	24.89
12	27.06	25.89	24.95	24.44	25.12	26.88	28.21	28.00	27.42	26.74	25.83	24.99
13	26.96	25.90	---	24.52	---	26.81	27.98	27.81	27.45	26.81	25.79	24.97
14	26.88	25.90	24.74	24.68	25.06	27.04	27.88	27.85	27.57	26.70	25.75	25.00
15	26.81	25.93	24.71	24.60	25.23	27.09	27.85	27.92	27.54	26.59	25.69	24.87
16	26.79	25.69	---	24.40	25.20	27.03	27.87	28.03	27.53	26.58	25.69	24.78
17	26.80	25.57	24.56	24.56	25.46	26.94	28.01	28.02	27.50	26.58	25.65	24.84
18	26.81	25.53	24.54	---	25.70	27.19	28.05	28.02	27.45	26.57	25.62	24.77
19	26.85	25.59	24.71	24.60	25.47	27.61	27.97	27.88	27.37	26.54	25.56	24.75
20	26.66	25.70	24.67	24.52	25.45	27.41	27.91	27.92	27.33	26.53	25.47	24.83
21	26.49	25.64	24.62	24.40	25.48	27.21	27.89	27.94	27.32	26.49	25.44	24.76
22	26.56	25.65	24.68	24.77	25.81	27.38	27.92	27.85	27.34	26.41	25.40	24.68
23	26.68	25.36	24.90	24.70	25.79	27.34	27.97	27.76	27.31	26.39	25.43	24.68
24	26.45	25.37	24.70	24.71	25.79	27.44	27.92	27.79	27.20	26.36	25.47	24.68
25	26.32	25.43	24.54	24.66	25.94	27.53	27.92	27.78	27.16	26.30	25.40	24.69
26	26.41	25.44	24.64	24.77	26.13	27.69	27.89	27.89	27.27	26.38	25.28	24.77
27	---	25.29	24.68	24.89	---	27.65	27.88	27.87	27.19	26.37	25.27	24.72
28	26.16	25.12	24.56	24.94	25.67	27.74	28.12	27.66	27.16	26.30	25.27	24.72
29	26.20	25.31	---	25.05	25.79	27.48	28.00	27.77	27.16	26.28	25.25	24.65
30	26.21	25.14	24.53	24.96	---	27.49	27.79	27.77	27.13	26.30	25.22	24.69
31	26.25	---	24.54	24.67	---	27.79	---	27.92	---	26.30	25.14	---
Mean	26.87	25.74	24.81	24.62	25.39	27.00	27.92	27.87	27.46	26.63	25.68	24.87
Max	27.53	26.38	25.37	25.05	26.13	27.79	28.21	28.03	27.82	27.04	26.20	25.17
Min	26.16	25.12	24.53	24.27	24.88	25.94	27.58	27.66	27.13	26.28	25.14	24.65
Med	26.83	25.78	24.73	24.60	25.30	27.09	27.92	27.86	27.47	26.58	25.69	24.85

	Calendar Year 2007	Water Year 2008
Mean	28.76	26.26
Max	33.73	28.21
Min	24.53	24.27
Med	28.62	26.19

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Water-Data Report 2008

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.

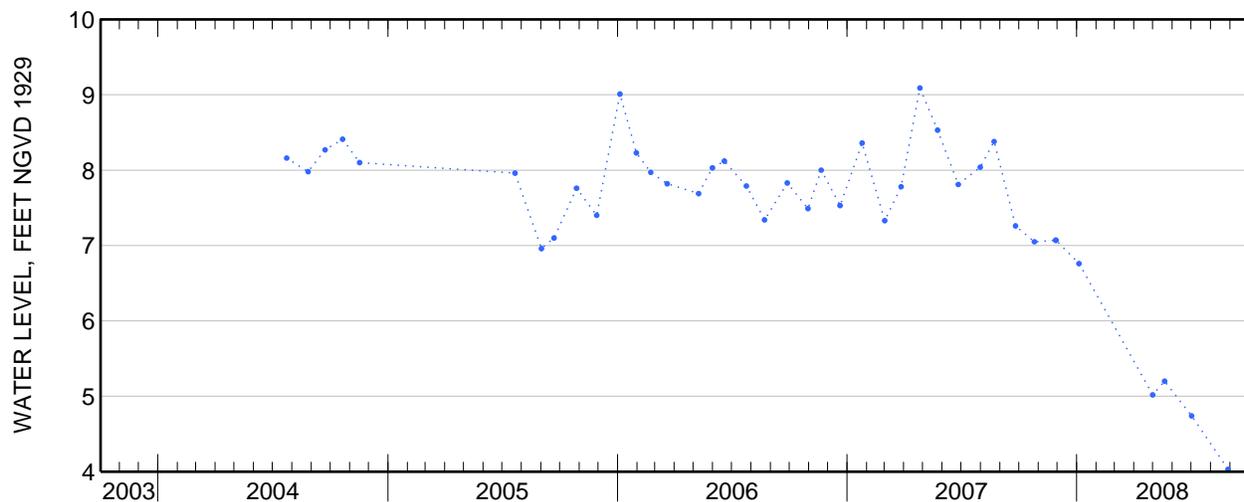
PERIOD OF RECORD.--July 2004 to current year.

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, 4.03 ft above sea level, August 28, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	7.05	Apr 30	5.02
Nov 28	7.07	May 19	5.20
28	7.07	Jul 1	4.74
Jan 4	6.76	Aug 28	4.03





Water-Data Report 2008

403637074090001 Local number R 118.1

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

LOCATION.--Lat 40°36'37.0", long 74°09'00.2" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at south side of Wyona Avenue, southwest of Woodbine Avenue, Westerleigh, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 59 ft. Upper casing diameter 2 in; top of first opening 49 ft, bottom of last opening 54 ft.

DATUM.--Land-surface datum is 42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.31 ft below land-surface datum.

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

GAGE.--Digital water-level recorder; 60-minute recording interval. Periodic measurements made with chalked steel tape by U.S. Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.78 ft above sea level, May 9 and 10, 2007; lowest recorded, 23.96 ft above sea level, September 21, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 25.40 ft above sea level, October 1; lowest recorded, 23.99 ft above sea level, November 28.

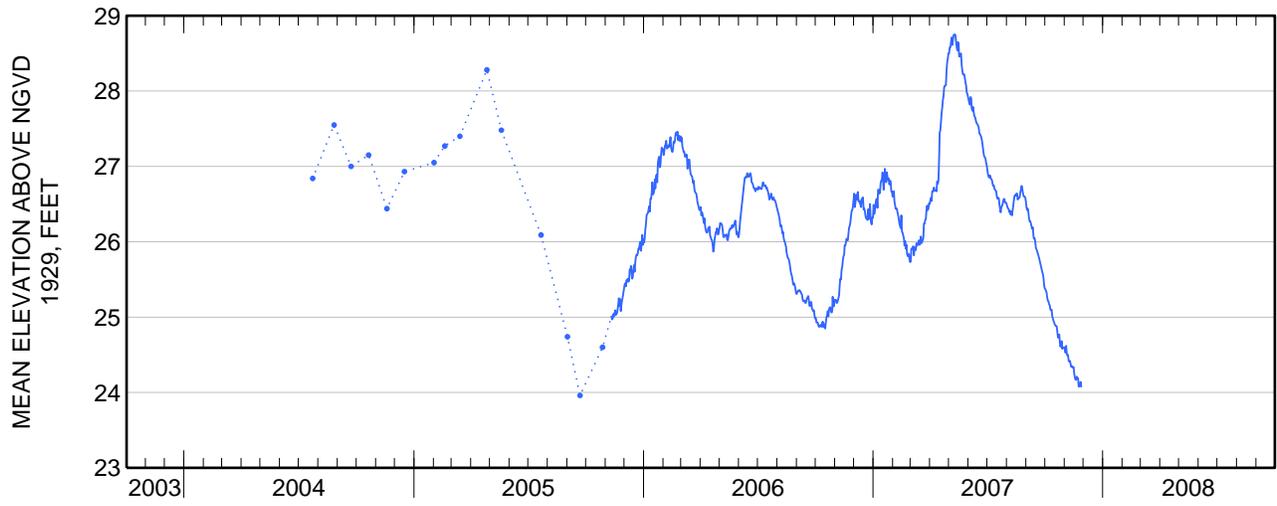
403637074090001 Local number R 118. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25.37	24.59	---	---	---	---	---	---	---	---	---	---
2	25.35	24.53	---	---	---	---	---	---	---	---	---	---
3	25.33	24.62	---	---	---	---	---	---	---	---	---	---
4	25.26	24.52	---	---	---	---	---	---	---	---	---	---
5	25.22	24.49	---	---	---	---	---	---	---	---	---	---
6	25.21	24.50	---	---	---	---	---	---	---	---	---	---
7	25.17	24.42	---	---	---	---	---	---	---	---	---	---
8	25.16	24.41	---	---	---	---	---	---	---	---	---	---
9	25.10	24.42	---	---	---	---	---	---	---	---	---	---
10	25.09	24.38	---	---	---	---	---	---	---	---	---	---
11	25.10	24.34	---	---	---	---	---	---	---	---	---	---
12	25.01	24.35	---	---	---	---	---	---	---	---	---	---
13	24.98	24.34	---	---	---	---	---	---	---	---	---	---
14	24.95	24.33	---	---	---	---	---	---	---	---	---	---
15	24.93	24.34	---	---	---	---	---	---	---	---	---	---
16	24.90	24.25	---	---	---	---	---	---	---	---	---	---
17	24.89	24.20	---	---	---	---	---	---	---	---	---	---
18	24.88	24.17	---	---	---	---	---	---	---	---	---	---
19	24.88	24.17	---	---	---	---	---	---	---	---	---	---
20	24.80	24.21	---	---	---	---	---	---	---	---	---	---
21	24.73	24.19	---	---	---	---	---	---	---	---	---	---
22	24.74	24.19	---	---	---	---	---	---	---	---	---	---
23	24.77	24.08	---	---	---	---	---	---	---	---	---	---
24	24.66	24.08	---	---	---	---	---	---	---	---	---	---
25	24.61	24.09	---	---	---	---	---	---	---	---	---	---
26	24.63	24.14	---	---	---	---	---	---	---	---	---	---
27	24.68	24.08	---	---	---	---	---	---	---	---	---	---
28	24.58	---	---	---	---	---	---	---	---	---	---	---
29	24.60	---	---	---	---	---	---	---	---	---	---	---
30	24.59	---	---	---	---	---	---	---	---	---	---	---
31	24.60	---	---	---	---	---	---	---	---	---	---	---
Mean	24.93	24.31	---	---	---	---	---	---	---	---	---	---
Max	25.37	24.62	---	---	---	---	---	---	---	---	---	---
Min	24.58	24.08	---	---	---	---	---	---	---	---	---	---
Med	24.90	24.34	---	---	---	---	---	---	---	---	---	---

	Calendar Year 2007	Water Year 2008
Mean	26.45	24.64
Max	28.75	25.37
Min	24.08	24.08
Med	26.51	24.60

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WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conduc-tance, wat un-f temperature, deg C (00095)	Temp-erature, deg C (00010)	Calcium water unfltrd recover mg/L (00916)	Magnes-ium, water, unfltrd recover mg/L (00927)	Potas-sium, water, unfltrd recover mg/L (00937)	Sodium, water, unfltrd recover mg/L (00929)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)
Aug 13...	1600	17.76	17.45	2.5	1.2	7.6	1,020	15.4	150	17.2	2.44	22.5	226

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd, µg/L (01002)	Barium, water, unfltrd recover -able, µg/L (01007)	Cadmium water, unfltrd recover -able, µg/L (01027)
Aug 13...	276	159	<.12	36.1	43.1	622	<.020	2.37	<.002	.042	1.1	330	<.01

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Chrom-ium, water, unfltrd recover -able, µg/L (01034)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mangan-ese, water, unfltrd recover -able, µg/L (01055)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, unfltrd recover -able, µg/L (01147)	Silver, water, unfltrd recover -able, µg/L (01077)	Zinc, water, unfltrd recover -able, µg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd recover -able, µg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF µg/L (49295)
Aug 13...	3.7	<1.2	<8	91	.18	.4	10.5	<.010	1.6	<.02	<2.0	<.30	<.04mc

403637074090001 Local number R 118. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 13...	<.6	<.39	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 13...	<.6	<.4mc	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 13...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Bis(2-chloroethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-isopropyl) ether, wat unf µg/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf µg/L (39100)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos, water, fltrd µg/L (61636)	Chlor-pyrifos, water, fltrd µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin, water, fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd µg/L (61585)	Cyper-methrin, water, fltrd µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 13...	<.35	<.30	<.38	Mt	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Desulf-inyl-fipro-nil, water, fltrd µg/L (62170)	Diazi-non, water, fltrd µg/L (39572)	Di-benzo-[a,h]-anthra-cene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd µg/L (38454)	Diel-drin, water, fltrd µg/L (39381)	Diel-drin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd µg/L (61644)
Aug 13...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Ethion, water, fltrd µg/L (82346)	Fenami-phos sulfone, water, fltrd µg/L (61645)	Fenami-phos sulf-oxide, water, fltrd µg/L (61646)	Fenami-phos, water, fltrd µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd µg/L (62167)	Fipro-nil sulfone, water, fltrd µg/L (62168)	Fipro-nil, water, fltrd µg/L (62166)	Fluor-anthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd µg/L (04095)	Hepta-chlor epoxide, water, unfltrd µg/L (39420)	Hepta-chlor, water, unfltrd µg/L (39410)	Hexa-chloro-benzene, water, unfltrd µg/L (39700)
Aug 13...	<.006	<.053	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30

403637074090001 Local number R 118. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd µg/L (34403)	Ipro-dione, water, fltrd µg/L (61593)	Isofen-phos, water, fltrd µg/L (61594)	Iso-phorone, water, unfltrd µg/L (34408)	Lindane, water, unfltrd µg/L (39340)	Mala-oxon, water, fltrd µg/L (61652)	Mala-thion, water, fltrd µg/L (39532)	Meta-laxyl, water, fltrd µg/L (61596)	Methid-athion, water, fltrd µg/L (61598)	Methyl acetate, water, unfltrd µg/L (77032)	Methyl para-oxon, water, fltrd µg/L (61664)
Aug 13...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd µg/L (39415)	Metri-buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo-butanil, water, fltrd µg/L (61599)	Nitro-benzene, water, unfltrd µg/L (34447)	N-Nitroso-di-methyl-amine, water, unfltrd µg/L (34438)	N-Nitroso-di-n-propyl-amine, water, unfltrd µg/L (34428)	N-Nitroso-di-phenyl-amine, water, unfltrd µg/L (34433)	p,p'-DDD, water, unfltrd µg/L (39360)	p,p'-DDE, water, unfltrd µg/L (39365)	p,p'-DDT, water, unfltrd µg/L (39370)
Aug 13...	<.008	<.10	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)	Penta-chloro-phenol, water, unfltrd µg/L (39032)	Phenan-threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate, water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet, water, fltrd µg/L (61601)	Prome-ton, water, fltrd µg/L (04037)	Prome-tryn, water, fltrd µg/L (04036)	Propy-zamide, water, fltrd 0.7u GF µg/L (82676)
Aug 13...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004

403637074090001 Local number R 118. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- Tetra- chloro- ethane, water, unfltrd µg/L (34506)
Aug 13...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	
Aug 13...	<.10	<.04	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)
Aug 13...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc

403637074090001 Local number R 118. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 13...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl-ether water, unfltrd µg/L (81576)	Diiso-propyl-ether water, unfltrd µg/L (81577)	Ethyl-methac-rylate water, unfltrd µg/L (73570)	Ethyl-methyl-ketone water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 13...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Hexa-chloro-buta-diene water, unfltrd µg/L (39702)	Hexa-chloro-ethane water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl-methyl-ketone water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl-acrylo-nitrile water, unfltrd µg/L (81593)	Methyl-acryl-ate water, unfltrd µg/L (49991)	Methyl-methac-rylate water, unfltrd µg/L (81597)	Methyl-tert-pentyl-ether water, unfltrd µg/L (50005)	meta-+ para-Xylene water, unfltrd µg/L (85795)	Naphth-alene water, unfltrd µg/L (34696)	Methyl-n-butyl-ketone water, unfltrd µg/L (77103)	n-Butyl-benzene water, unfltrd µg/L (77342)
Aug 13...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

403637074090001 Local number R 118. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane, water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 13...	<.04	<.04	<.04	<.04	<.04	E.1n	<.06	<.04	<.08	<1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	trans-1,4-Di-chloro-2-butene, water, unfltrd µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd µg/L (34488)	Tri-chloro-methane, water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)
Aug 13...	<.6	<.02	<.08	E.03b	<.1	<.01mc

Water-Data Report 2008

403308074120901 Local number R 119.1

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

LOCATION.--Lat 40°33'08.3", long 74°12'08.7" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at South Shore Golf Course, southwest corner of parking lot on west side of Huguenot Avenue, Arden Heights, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 41 ft. Upper casing diameter 2 in; top of first opening 31 ft, bottom of last opening 36 ft.

DATUM.--Land-surface datum is 62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.78 ft below land-surface datum.

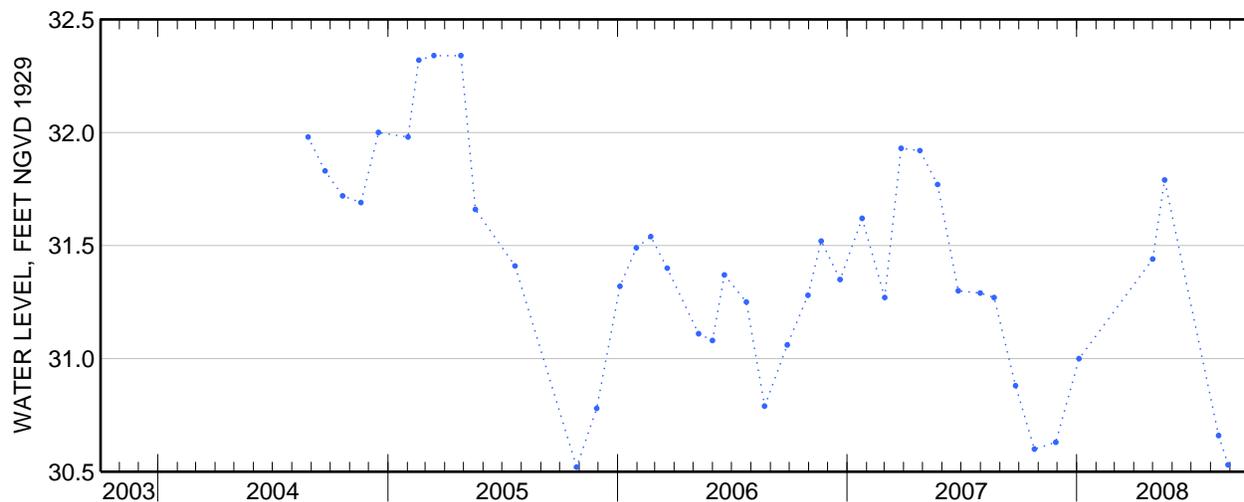
PERIOD OF RECORD.--August 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.34 ft above sea level, March 14 and April 26, 2005; lowest measured, 30.52 ft above sea level, October 27, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	30.60	May 19	31.79
Nov 28	30.63	Aug 13	30.66
Jan 4	31.00	28	30.53
Apr 30	31.44		



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd lab, std units (00403)	Specific conduc-tance, wat un-f 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover mg/L (00916)	Magnes-ium, water, unfltrd recover mg/L (00927)	Potas-sium, water, unfltrd recover mg/L (00937)	Sodium, water, unfltrd recover mg/L (00929)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)
Aug 13...	0850	31.34	30.56	2.8	1.6	7.4	574	12.6	80.7	10.6	.97	20.4	188

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd μg/L (01002)	Barium, water, unfltrd recover μg/L (01007)	Cadmium water, unfltrd μg/L (01027)
Aug 13...	229	52.0	.35	21.2	33.5	358	<.020	1.05	<.002	.041	E.33n	457	<.01

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chrom-ium, water, unfltrd recover μg/L (01034)	Copper, water, unfltrd recover μg/L (01042)	Iron, water, fltrd, μg/L (01046)	Iron, water, unfltrd recover μg/L (01045)	Lead, water, unfltrd recover μg/L (01051)	Mangan-ese, water, fltrd, μg/L (01056)	Mangan-ese, water, unfltrd recover μg/L (01055)	Mercury water, unfltrd recover μg/L (71900)	Selen-ium, water, unfltrd μg/L (01147)	Silver, water, unfltrd recover μg/L (01077)	Zinc, water, unfltrd recover μg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd μg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF μg/L (49295)
Aug 13...	.88	<1.2	12	75	.10	44.0	60.9	<.010	.33	<.02	<2.0	<.30	<.04mc

403308074120901 Local number R 119. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 13...	<.6	<.39	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 13...	<.6	<.4mc	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 13...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4300c

403308074120901 Local number R 119.1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bis(2-chloroethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-isopropyl) ether, wat unf µg/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf µg/L (39100)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlordane, technical, water, unfltrd µg/L (39350)	Chlorpyrifos oxon, water, fltrd µg/L (61636)	Chlorpyrifos, water, fltrd µg/L (38933)	Chrysene, water, unfltrd µg/L (34320)	cis-Permethrin water, fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd µg/L (61585)	Cypermethrin, water, fltrd µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 13...	<.35	<.30	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Desulfinyl-fipronil, water, fltrd µg/L (62170)	Diazinon, water, fltrd µg/L (39572)	Di-benzo[a,h]-anthracene, wat unf µg/L (34556)	Dicrotophos, water, fltrd µg/L (38454)	Dieldrin, water, fltrd µg/L (39381)	Dieldrin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd µg/L (61644)
Aug 13...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Ethion, water, fltrd µg/L (82346)	Fenamiphos sulfone, water, fltrd µg/L (61645)	Fenamiphos sulfide, water, fltrd µg/L (61646)	Fenamiphos, water, fltrd µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide, water, fltrd µg/L (62167)	Fipronil sulfone, water, fltrd µg/L (62168)	Fipronil, water, fltrd µg/L (62166)	Fluoranthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd µg/L (04095)	Heptachlor epoxide, water, unfltrd µg/L (39420)	Heptachlor, water, unfltrd µg/L (39410)	Hexachlorobenzene, water, unfltrd µg/L (39700)
Aug 13...	<.006	<.053	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30

403308074120901 Local number R 119. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd µg/L (34403)	Ipro-dione, water, fltrd µg/L (61593)	Isofen-phos, water, fltrd µg/L (61594)	Iso-phorone, water, unfltrd µg/L (34408)	Lindane, water, unfltrd µg/L (39340)	Mala-oxon, water, fltrd µg/L (61652)	Mala-thion, water, fltrd µg/L (39532)	Meta-laxyl, water, fltrd µg/L (61596)	Methid-athion, water, fltrd µg/L (61598)	Methyl acetate, water, unfltrd µg/L (77032)	Methyl para-oxon, water, fltrd µg/L (61664)
Aug 13...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd µg/L (39415)	Metri-buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo-butanil, water, fltrd µg/L (61599)	Nitro-benzene, water, unfltrd µg/L (34447)	N-Nitroso-di-methyl-amine, water, unfltrd µg/L (34438)	N-Nitroso-di-n-propyl-amine, water, unfltrd µg/L (34428)	N-Nitroso-di-phenyl-amine, water, unfltrd µg/L (34433)	p,p'-DDD, water, unfltrd µg/L (39360)	p,p'-DDE, water, unfltrd µg/L (39365)	p,p'-DDT, water, unfltrd µg/L (39370)
Aug 13...	<.008	E.07n	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)	Penta-chloro-phenol, water, unfltrd µg/L (39032)	Phenan-threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate, water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet, water, fltrd µg/L (61601)	Prome-ton, water, fltrd µg/L (04037)	Prome-tryn, water, fltrd µg/L (04036)	Propy-zamide, water, fltrd 0.7u GF µg/L (82676)
Aug 13...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004

403308074120901 Local number R 119. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- chloro- ethane, water, unfltrd µg/L (34506)
Aug 13...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	E.06b

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	
Aug 13...	<.10	<.04	<.06	E.03n	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)
Aug 13...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc

403308074120901 Local number R 119. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 13...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl-ether water, unfltrd µg/L (81576)	Diiso-propyl-ether water, unfltrd µg/L (81577)	Ethyl-methac-rylate water, unfltrd µg/L (73570)	Ethyl-methyl-ketone water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 13...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-buta-diene water, unfltrd µg/L (39702)	Hexa-chloro-ethane water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl-methyl-ketone water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl-acrylo-nitrile water, unfltrd µg/L (81593)	Methyl-acryl-ate water, unfltrd µg/L (49991)	Methyl-methac-rylate water, unfltrd µg/L (81597)	Methyl-tert-pentyl-ether water, unfltrd µg/L (50005)	meta-+ para-Xylene water, unfltrd µg/L (85795)	Naphth-alene water, unfltrd µg/L (34696)	Methyl-n-butyl-ketone water, unfltrd µg/L (77103)	n-Butyl-benzene water, unfltrd µg/L (77342)
Aug 13...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

403308074120901 Local number R 119. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane, water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 13...	<.04	<.04	<.04	<.04	<.04	.1	<.06	<.04	<.08	<1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	trans-1,4-Di-chloro-2-butene, water, unfltrd µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd µg/L (34488)	Tri-chloro-methane, water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)
Aug 13...	<.6	<.02	<.08	<.02	<.1	<.01mc



Water-Data Report 2008

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.

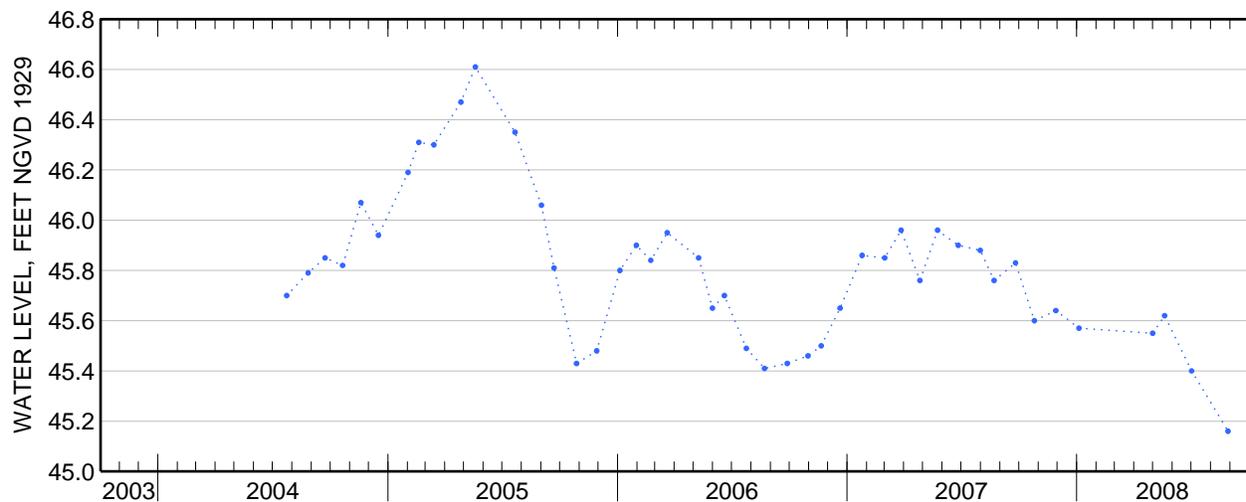
PERIOD OF RECORD.--July 2004 to current year.

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, 45.16 ft above sea level, August 28, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	45.60	May 19	45.62
Nov 28	45.64	Jul 1	45.40
Jan 4	45.57	Aug 28	45.16
Apr 30	45.55		





Water-Data Report 2008

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.

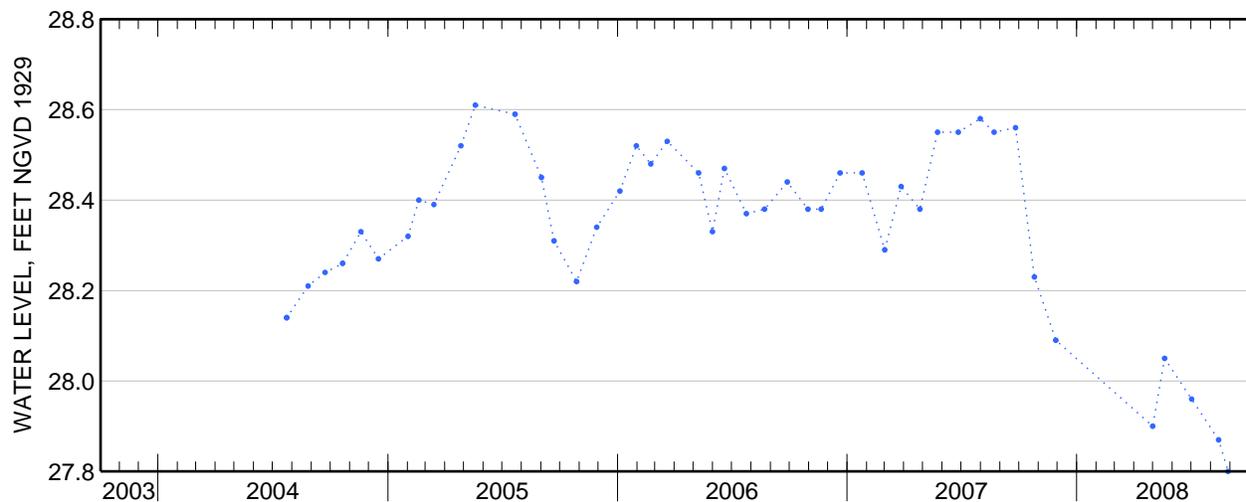
PERIOD OF RECORD.--July 2004 to current year.

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, 27.80 ft above sea level, August 28, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	28.23	Jul 1	27.96
Nov 28	28.09	Aug 13	27.87
Apr 30	27.90	Aug 28	27.80
May 19	28.05		



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conduc-tance, wat unf 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnes-ium, water, unfltrd recover -able, mg/L (00927)	Potas-sium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)
Aug 13...	1255	59.63	59.20	10	7.8	7.0	585	17.7	79.2	18.6	5.68	87.4	64.9

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd, µg/L (01002)	Barium, water, unfltrd recover -able, µg/L (01007)	Cadmium water, unfltrd, µg/L (01027)
Aug 13...	79.1	215c	E.11n	27.5	29.5	778	<.020	21.3d	<.002	.017	<.60	322	.07

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chrom-ium, water, unfltrd recover -able, µg/L (01034)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mangan-ese, water, unfltrd recover -able, µg/L (01055)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, unfltrd recover -able, µg/L (01147)	Silver, water, unfltrd recover -able, µg/L (01077)	Zinc, water, unfltrd recover -able, µg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd, µg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF µg/L (49295)
Aug 13...	2.6	E.65n	31	40	.12	2.0	1.8	<.010	.34	<.02	15.2	<.30	<.04mc

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WATER-QUALITY DATA
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Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 13...	<.6	<.39	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 13...	<.6	<.4mc	E.008mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 13...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bis(2-chloroethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthalate, wat unf µg/L (39100)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos oxon, water, fltrd µg/L (61636)	Chlor-pyrifos, water, fltrd µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin water, fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd µg/L (61585)	Cyper-methrin, water, fltrd µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 13...	<.35	<.30	<.38	<2	<.060mc	E.3b	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Desulf-inyl-fipro-nil, water, fltrd µg/L (62170)	Di-azino-n, water, fltrd µg/L (39572)	Di-benzo-[a,h]-anthra-cene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd µg/L (38454)	Diel-drin, water, fltrd µg/L (39381)	Diel-drin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd µg/L (61644)
Aug 13...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Ethion, water, fltrd µg/L (82346)	Fenami-phos sulfone, water, fltrd µg/L (61645)	Fenami-phos sulf-oxide, water, fltrd µg/L (61646)	Fenami-phos, water, fltrd µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd µg/L (62167)	Fipro-nil sulfone, water, fltrd µg/L (62168)	Fipro-nil, water, fltrd µg/L (62166)	Fluor-anthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd µg/L (04095)	Hepta-chlor epoxide, water, unfltrd µg/L (39420)	Hepta-chlor, water, unfltrd µg/L (39410)	Hexa-chloro-benzene, water, unfltrd µg/L (39700)
Aug 13...	<.006	<.053	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	E.008n	<.01	<.30

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WATER-QUALITY DATA
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Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd µg/L (34403)	lpro-dione, water, fltrd µg/L (61593)	Isofen-phos, water, fltrd µg/L (61594)	Iso-phorone, water, unfltrd µg/L (34408)	Lindane, water, unfltrd µg/L (39340)	Mala-oxon, water, fltrd µg/L (61652)	Mala-thion, water, fltrd µg/L (39532)	Meta-laxyl, water, fltrd µg/L (61596)	Methid-athion, water, fltrd µg/L (61598)	Methyl acetate, water, unfltrd µg/L (77032)	Methyl para-oxon, water, fltrd µg/L (61664)
Aug 13...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd µg/L (39415)	Metri-buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo-butanil, water, fltrd µg/L (61599)	Nitro-benzene, water, unfltrd µg/L (34447)	N-Nitroso-di-methyl-amine, wat unf µg/L (34438)	N-Nitroso-di-n-propyl-amine, wat unf µg/L (34428)	N-Nitroso-di-phenyl-amine, wat unf µg/L (34433)	p,p'-DDD, water, unfltrd µg/L (39360)	p,p'-DDE, water, unfltrd µg/L (39365)	p,p'-DDT, water, unfltrd µg/L (39370)
Aug 13...	<.008	E.09n	<.010	E.010n	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
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Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)	Penta-chloro-phenol, water, unfltrd µg/L (39032)	Phenan-threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate, water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet, water, fltrd µg/L (61601)	Prome-ton, water, fltrd µg/L (04037)	Prome-tryn, water, fltrd µg/L (04036)	Propy-zamide, water, fltrd 0.7u GF µg/L (82676)
Aug 13...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	.01	<.006	<.004

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WATER-QUALITY DATA
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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- chloro- ethane, water, unfltrd µg/L (34506)
Aug 13...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	E.04b

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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,1,2,2 -Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4 -Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5 -Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)
Aug 13...	<.10	<.04	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)
Aug 13...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc

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WATER-QUALITY DATA
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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 13...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl-ether, water, unfltrd µg/L (81576)	Diiso-propyl-ether, water, unfltrd µg/L (81577)	Ethyl-methac-rylate, water, unfltrd µg/L (73570)	Ethyl-methyl-ketone, water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 13...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-buta-diene, water, unfltrd µg/L (39702)	Hexa-chloro-ethane, water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl-methyl-ketone, water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl-acrylo-nitrile water, unfltrd µg/L (81593)	Methyl-acryl-ate, water, unfltrd µg/L (49991)	Methyl-methac-rylate, water, unfltrd µg/L (81597)	Methyl-tert-pentyl-ether, water, unfltrd µg/L (50005)	meta-+ para-Xylene, water, unfltrd µg/L (85795)	Naphth-alene, water, unfltrd µg/L (34696)	Methyl-n-butyl-ketone, water, unfltrd µg/L (77103)	n-Butyl-benzene water, unfltrd µg/L (77342)
Aug 13...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

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WATER-QUALITY DATA
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Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 13...	<.04	<.04	<.04	<.04	<.04	.1	<.06	.13	<.08	<1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	trans-1,4-Di-chloro-2-butene, water, unfltrd µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd µg/L (34488)	Tri-chloro-methane, water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)
Aug 13...	<.6	E.04b	E.05n	.35	<.1	<.01mc



Water-Data Report 2008

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.

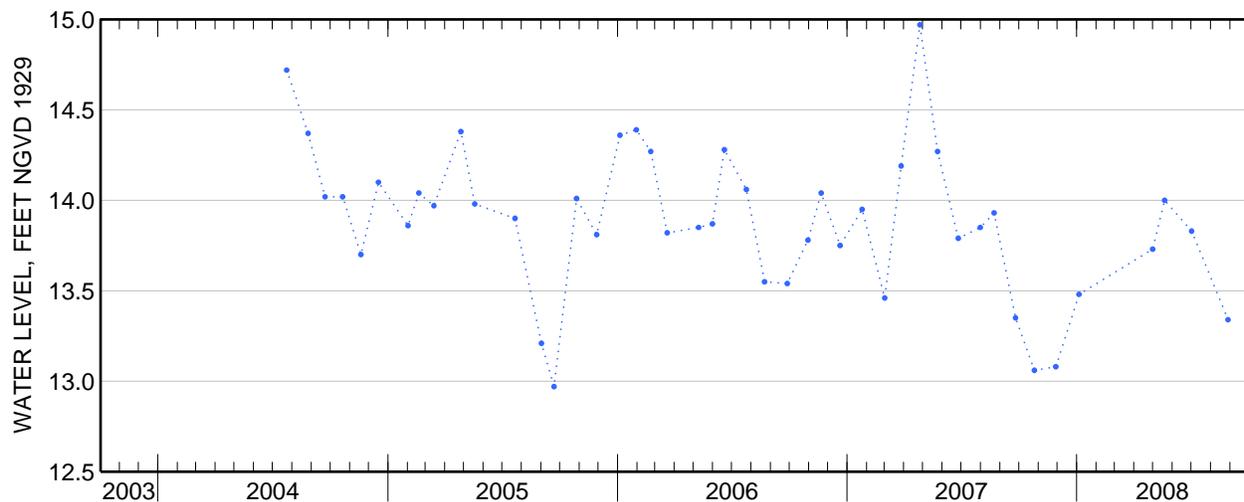
PERIOD OF RECORD.--July 2004 to current year.

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 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	13.06	May 19	14.00
Nov 28	13.08	Jul 1	13.83
Jan 4	13.48	Aug 28	13.34
Apr 30	13.73		





Water-Data Report 2008

403615074043301 Local number R 124. 1

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

LOCATION.--Lat 40°36'15.5", long 74°04'33.3" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northeast corner of Hylan Boulevard and Olga Place, Grasmere, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 89.5 ft. Upper casing diameter 2 in; top of first opening 79.5 ft, bottom of last opening 84.5 ft.

DATUM.--Land-surface datum is 137 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft below land-surface datum.

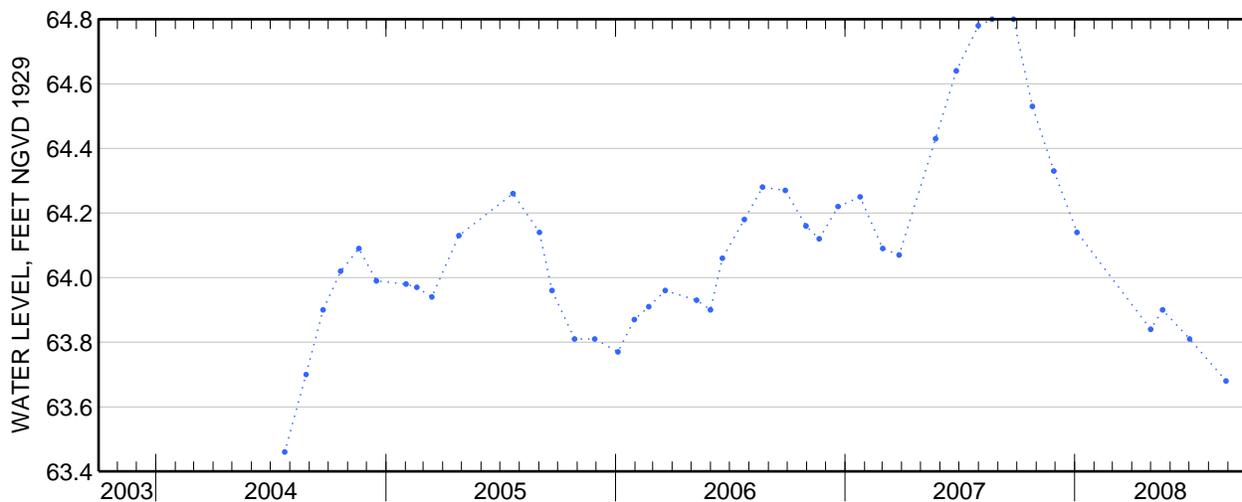
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.80 ft above sea level, August 22 and September 25, 2007; lowest measured, 63.46 ft above sea level, July 23, 2004.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	64.53	May 19	63.90
Nov 28	64.33	Jul 1	63.81
Jan 4	64.14	Aug 28	63.68
Apr 30	63.84		





Water-Data Report 2008

403410074084101 Local number R 126. 1

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

LOCATION.--Lat 40°34'10.4", long 74°08'41.2" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at west side of Clarke Avenue, northeast corner of Mt. Richmond Cemetery, Richmondtown, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 65 ft. Upper casing diameter 2 in; top of first opening 55 ft, bottom of last opening 60 ft.

DATUM.--Land-surface datum is 45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft below land-surface datum.

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

GAGE.--Digital water-level recorder; 60-minute recording interval. Periodic measurements made with chalked steel tape by U.S. Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.76 ft above sea level, May 16, 2007; lowest recorded, 8.33 ft above sea level, September 19, 22, 23, 24, and 25, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 8.98 ft above sea level, October 3; lowest recorded, 8.33 ft above sea level, September 19, 22, 23, 24, and 25.

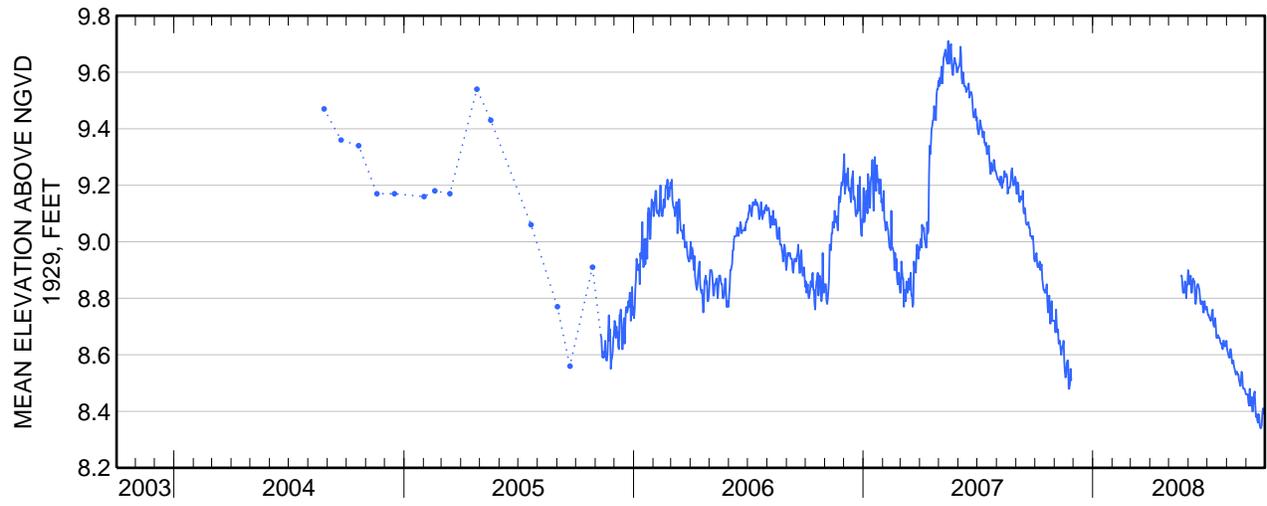
403410074084101 Local number R 126. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.94	8.72	---	---	---	---	---	---	8.88	8.75	8.62	8.46
2	8.95	8.68	---	---	---	---	---	---	8.85	8.74	8.61	8.46
3	8.96	8.76	---	---	---	---	---	---	8.85	8.74	8.60	8.46
4	8.92	8.70	---	---	---	---	---	---	8.88	8.73	8.59	8.43
5	8.91	8.68	---	---	---	---	---	---	8.82	8.73	8.59	8.42
6	8.92	8.69	---	---	---	---	---	---	8.82	8.72	8.62	8.48
7	8.91	8.64	---	---	---	---	---	---	8.86	8.73	8.62	8.43
8	8.93	8.64	---	---	---	---	---	---	8.87	8.75	8.60	8.42
9	8.90	8.65	---	---	---	---	---	---	8.86	8.76	8.57	8.45
10	8.91	8.62	---	---	---	---	---	---	8.86	8.71	8.57	8.40
11	8.92	8.60	---	---	---	---	---	---	8.81	8.70	8.58	8.40
12	8.87	8.62	---	---	---	---	---	---	8.78	8.70	8.56	8.45
13	8.85	8.63	---	---	---	---	---	---	8.80	8.73	8.55	8.46
14	8.83	8.63	---	---	---	---	---	---	8.84	8.70	8.54	8.47
15	8.83	8.65	---	---	---	---	---	---	8.85	8.66	8.53	8.42
16	8.82	8.58	---	---	---	---	---	---	8.85	8.66	8.54	8.38
17	8.82	8.54	---	---	---	---	---	---	8.84	8.66	8.54	8.39
18	8.83	8.52	---	---	---	---	---	---	8.83	8.67	8.53	8.37
19	8.85	8.53	---	---	---	---	---	---	8.80	8.66	8.53	8.36
20	8.79	8.57	---	---	---	---	---	8.88	8.78	8.66	8.51	8.39
21	8.75	8.58	---	---	---	---	---	8.88	8.78	8.65	8.50	8.38
22	8.77	8.58	---	---	---	---	---	8.85	8.79	8.64	8.49	8.35
23	8.81	8.48	---	---	---	---	---	8.82	8.78	8.64	8.51	8.34
24	8.75	8.48	---	---	---	---	---	8.82	8.75	8.63	8.54	8.34
25	8.71	8.50	---	---	---	---	---	8.82	8.75	8.62	8.53	8.35
26	8.74	8.55	---	---	---	---	---	8.86	8.79	8.65	8.49	8.39
27	8.79	8.51	---	---	---	---	---	8.85	8.77	8.65	8.48	8.41
28	8.72	---	---	---	---	---	---	8.80	8.76	8.63	8.48	8.41
29	8.72	---	---	---	---	---	---	8.84	8.77	8.63	8.48	8.39
30	8.72	---	---	---	---	---	---	8.85	8.77	8.64	8.47	8.40
31	8.72	---	---	---	---	---	---	8.90	---	8.65	8.46	---
Mean	8.83	8.60	---	---	---	---	---	---	8.81	8.68	8.54	8.41
Max	8.96	8.76	---	---	---	---	---	---	8.88	8.76	8.62	8.48
Min	8.71	8.48	---	---	---	---	---	---	8.75	8.62	8.46	8.34
Med	8.83	8.62	---	---	---	---	---	---	8.82	8.66	8.54	8.41

	Calendar Year 2007	Water Year 2008
Mean	9.14	8.66
Max	9.71	8.96
Min	8.48	8.34
Med	9.17	8.66

403410074084101 Local number R 126. 1—Continued





Water-Data Report 2008

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.

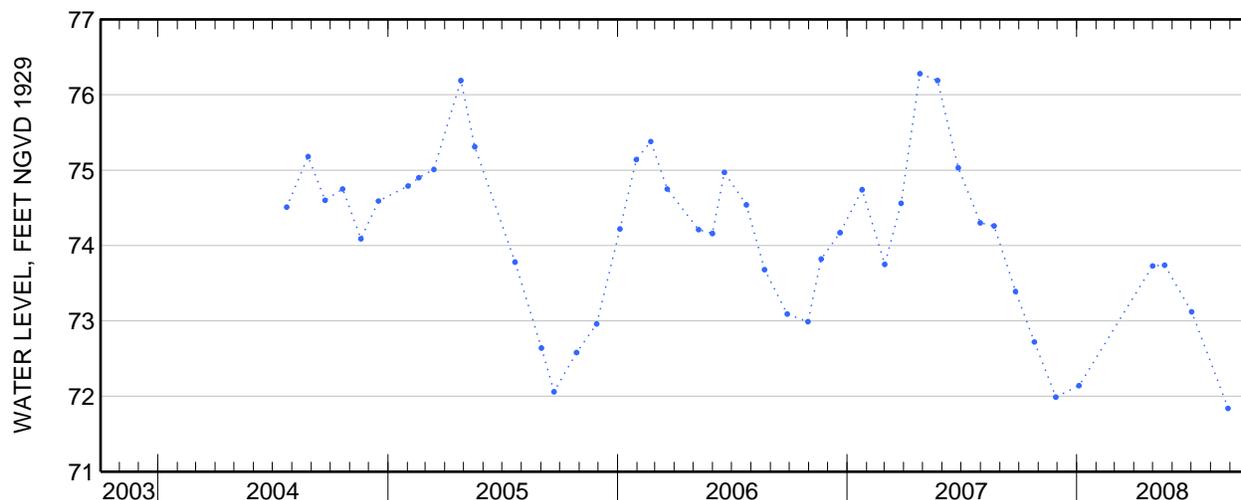
PERIOD OF RECORD.--July 2004 to current year.

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, 71.84 ft above sea level, August 28, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	72.72	May 19	73.74
Nov 28	71.99	Jul 1	73.12
Jan 4	72.14	Aug 28	71.84
Apr 30	73.73		



Water-Data Report 2008

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.

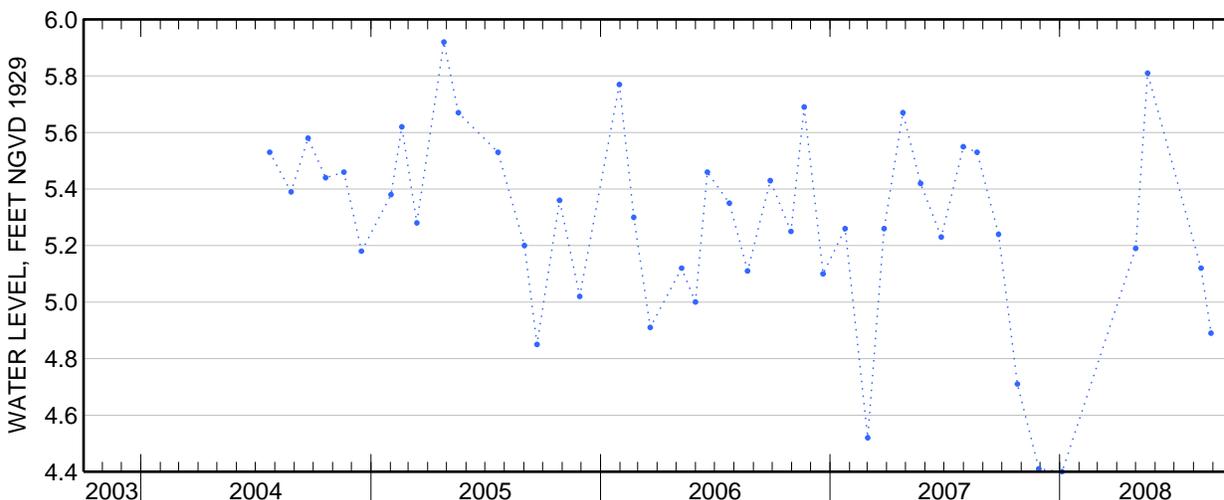
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.92 ft above sea level, April 26, 2005; lowest measured, 4.40 ft above sea level, January 4, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	4.71	May 19	5.81
Nov 28	4.41	Aug 12	5.12
Jan 4	4.40	28	4.89
Apr 30	5.19		



403047074125801 Local number R 129. 1—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unfltrd μ S/cm 25 degC (00095)	Temperature, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	Potassium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Alkalinity, wat flt inf tit field, mg/L as CaCO3 (39086)
Aug 12...	1330	74.38	45.73	8.9	.2	7.3	280	14.4	73.5	10.0	1.55	16.4	200

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bicarbonate, wat flt infl pt titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Arsenic, water, unfltrd, μ g/L (01002)	Barium, water, unfltrd recover -able, μ g/L (01007)	Cadmium, water, unfltrd, μ g/L (01027)
Aug 12...	244	22.4	.18	21.6	45.2	327	.081	<.04	<.002	.045	1.1	396	E.01n

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chromium, water, unfltrd recover -able, μ g/L (01034)	Copper, water, unfltrd recover -able, μ g/L (01042)	Iron, water, fltrd, μ g/L (01046)	Iron, water, unfltrd recover -able, μ g/L (01045)	Lead, water, unfltrd recover -able, μ g/L (01051)	Manganese, water, fltrd, μ g/L (01056)	Manganese, water, unfltrd recover -able, μ g/L (01055)	Mercury, water, unfltrd recover -able, μ g/L (71900)	Selenium, water, unfltrd, μ g/L (01147)	Silver, water, unfltrd recover -able, μ g/L (01077)	Zinc, water, unfltrd recover -able, μ g/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd, μ g/L (82626)	1-Naph-thol, water, fltrd 0.7u GF μ g/L (49295)
Aug 12...	.76	1.3	39	180	.43	898	994	<.010	<.08	.05	E1.1n	<.30	<.04mc

403047074125801 Local number R 129. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 12...	<.6	<.39	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 12...	<.6	<.4mc	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 12...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4

403047074125801 Local number R 129.1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bis(2-chloro-ethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthal-ate, wat unf µg/L (39100)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, tech-nical, water, unfltrd µg/L (39350)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin water, fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 12...	<.35	<.30	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Di-azo-non, water, fltrd, µg/L (39572)	Di-benzo-[a,h]-anthra-cene, wat unf µg/L (34556)	Di-cro-tophos, water, fltrd, µg/L (38454)	Di-eldrin, water, fltrd, µg/L (39381)	Di-eldrin, water, unfltrd µg/L (39380)	Di-ethyl phthal-ate, water, unfltrd µg/L (34336)	Di-meth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthal-ate, water, unfltrd µg/L (34341)	Di-n-butyl phthal-ate, water, unfltrd µg/L (39110)	Di-n-octyl phthal-ate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon water, fltrd, µg/L (61644)
Aug 12...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Ethion, water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos sulf-oxide, water, fltrd, µg/L (61646)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Fluor-anthene water, unfltrd µg/L (34376)	Fonofos water, fltrd, µg/L (04095)	Hepta-chlor epoxide water, unfltrd µg/L (39420)	Hepta-chlor, water, unfltrd µg/L (39410)	Hexa-chloro-benzene water, unfltrd µg/L (39700)
Aug 12...	<.006	<.053	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30

403047074125801 Local number R 129. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd µg/L (34403)	lpro-dione, water, fltrd µg/L (61593)	Isofen-phos, water, fltrd µg/L (61594)	Iso-phorone, water, unfltrd µg/L (34408)	Lindane, water, unfltrd µg/L (39340)	Mala-oxon, water, fltrd µg/L (61652)	Mala-thion, water, fltrd µg/L (39532)	Meta-laxyl, water, fltrd µg/L (61596)	Methid-athion, water, fltrd µg/L (61598)	Methyl acetate, water, unfltrd µg/L (77032)	Methyl para-oxon, water, fltrd µg/L (61664)
Aug 12...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd µg/L (39415)	Metri-buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo-butanil, water, fltrd µg/L (61599)	Nitro-benzene, water, unfltrd µg/L (34447)	N-Nitroso-di-methyl-amine, wat unf µg/L (34438)	N-Nitroso-di-n-propyl-amine, wat unf µg/L (34428)	N-Nitroso-di-phenyl-amine, wat unf µg/L (34433)	p,p'-DDD, water, unfltrd µg/L (39360)	p,p'-DDE, water, unfltrd µg/L (39365)	p,p'-DDT, water, unfltrd µg/L (39370)
Aug 12...	<.008	E.06n	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)	Penta-chloro-phenol, water, unfltrd µg/L (39032)	Phenan-threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate, water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet, water, fltrd µg/L (61601)	Prome-ton, water, fltrd µg/L (04037)	Prome-tryn, water, fltrd µg/L (04036)	Propy-zamide, water, fltrd 0.7u GF µg/L (82676)
Aug 12...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.06mc	<.008mc	<.01	<.006	<.004

403047074125801 Local number R 129. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- chloro- ethane, water, unfltrd µg/L (34506)
Aug 12...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	
Aug 12...	<.10	<.04	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)
Aug 12...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 12...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl ether, water, unfltrd µg/L (81576)	Diiso-propyl ether, water, unfltrd µg/L (81577)	Ethyl methac-rylate, water, unfltrd µg/L (73570)	Ethyl methyl ketone, water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 12...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-buta-diene, water, unfltrd µg/L (39702)	Hexa-chloro-ethane, water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl methyl ketone, water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl acrylo-nitrile water, unfltrd µg/L (81593)	Methyl acryl-ate, water, unfltrd µg/L (49991)	Methyl methac-rylate, water, unfltrd µg/L (81597)	Methyl tert-pentyl ether, water, unfltrd µg/L (50005)	meta-Xylene, water, unfltrd µg/L (85795)	Naphth-alene, water, unfltrd µg/L (34696)	Methyl n-butyl ketone, water, unfltrd µg/L (77103)	n-Butyl benzene water, unfltrd µg/L (77342)
Aug 12...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

403047074125801 Local number R 129. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 12...	<.04	<.04	<.04	<.04	<.04	<.1	<.06	<.04	<.08	<.1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	trans-1,4-Di-chloro-2-butene, water, unfltrd µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd µg/L (34488)	Tri-chloro-methane, water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)
Aug 12...	<.6	<.02	<.08	<.02	<.1	<.01mc

Water-Data Report 2008

403047074125901 Local number R 130. 1

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

LOCATION.--Lat 40°30'46.9", long 74°12'57.9" 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, easternmost well, Mount Loretto, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 10 ft, bottom of last opening 20 ft.

DATUM.--Land-surface datum is 51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.16 ft below land-surface datum.

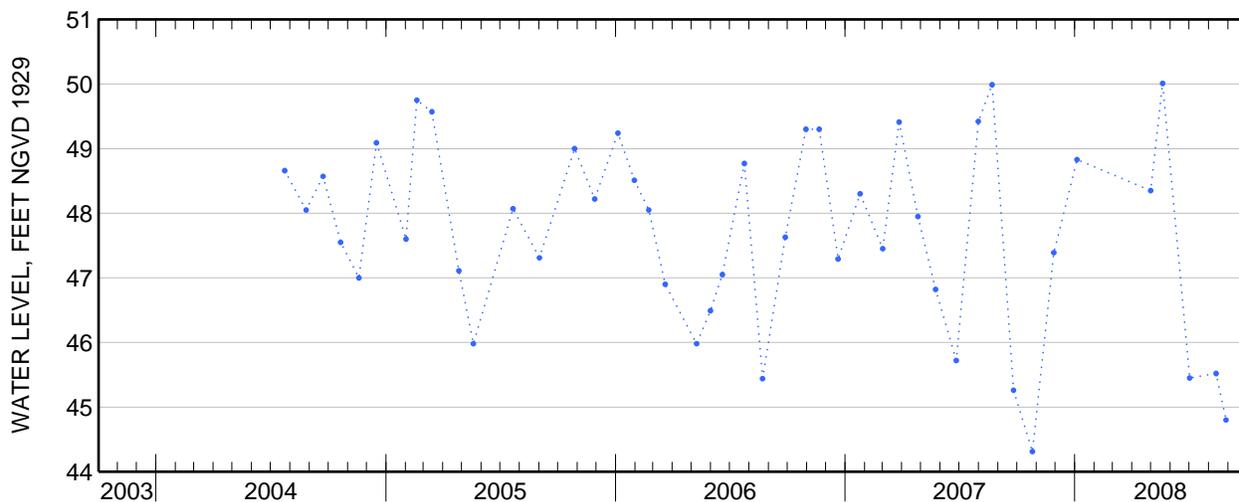
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.01 ft above sea level, May 19, 2008; lowest measured, 44.31 ft above sea level, October 25, 2007.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	44.31	May 19	50.01
Nov 28	47.39	Jul 1	45.45
Jan 4	48.83	Aug 12	45.52
Apr 30	48.35	28	44.80



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd lab, std units (00403)	Specific conduc-tance, wat unf 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover mg/L (00916)	Magnes-ium, water, unfltrd recover mg/L (00927)	Potas-sium, water, unfltrd recover mg/L (00937)	Sodium, water, unfltrd recover mg/L (00929)	Alka-linity, wat flt inf tit mg/L as CaCO3 (39086)
Aug 12...	1445	5.48	5.32	270	3.0	6.7	1,290	19.0	74.8	41.9	3.96	113	138

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd, µg/L (01002)	Barium, water, unfltrd recover -able, µg/L (01007)	Cadmium water, unfltrd recover -able, µg/L (01027)
Aug 12...	169	295d	.53	32.9	23.2	797	.094	.04	E.001n	.151	.98	256	.15

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chrom-ium, water, unfltrd recover -able, µg/L (01034)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mangan-ese, water, unfltrd recover -able, µg/L (01055)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, unfltrd recover -able, µg/L (01147)	Silver, water, unfltrd recover -able, µg/L (01077)	Zinc, water, unfltrd recover -able, µg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd recover -able, µg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF µg/L (49295)
Aug 12...	6.3	4.4	E5n	1,740	.71	2,560d	2,940d	<.010	.16	E.02n	7.7	<.30	<.04mc

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 12...	<.6	<.39	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 12...	<.6	<.4mc	<.006mc	<.36	E.004mn c	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 12...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4

403047074125901 Local number R 130. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bis(2-chloroethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-isopropyl) ether, wat unf µg/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf µg/L (39100)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos oxon, water, fltrd µg/L (61636)	Chlor-pyrifos, water, fltrd µg/L (38933)	Chrysene, water, unfltrd µg/L (34320)	cis-Permethrin water, fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd µg/L (61585)	Cypermethrin, water, fltrd µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 12...	<.35	<.30	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Desulf-inyl-fipro-nil, water, fltrd µg/L (62170)	Diazinon, water, fltrd µg/L (39572)	Di-benzo-[a,h]-anthracene, wat unf µg/L (34556)	Dicrotophos, water, fltrd µg/L (38454)	Dieldrin, water, fltrd µg/L (39381)	Dieldrin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd µg/L (61644)
Aug 12...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Ethion, water, fltrd µg/L (82346)	Fenamiphos sulfone, water, fltrd µg/L (61645)	Fenamiphos sulfide, water, fltrd µg/L (61646)	Fenamiphos, water, fltrd µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd µg/L (62167)	Fipro-nil sulfone, water, fltrd µg/L (62168)	Fipro-nil, water, fltrd µg/L (62166)	Fluoranthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd µg/L (04095)	Heptachlor epoxide, water, unfltrd µg/L (39420)	Heptachlor, water, unfltrd µg/L (39410)	Hexachlorobenzene, water, unfltrd µg/L (39700)
Aug 12...	<.006	<.053	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30

403047074125901 Local number R 130. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd µg/L (34403)	lpro-dione, water, fltrd µg/L (61593)	Isofen-phos, water, fltrd µg/L (61594)	Iso-phorone, water, unfltrd µg/L (34408)	Lindane, water, unfltrd µg/L (39340)	Mala-oxon, water, fltrd µg/L (61652)	Mala-thion, water, fltrd µg/L (39532)	Meta-laxyl, water, fltrd µg/L (61596)	Methid-athion, water, fltrd µg/L (61598)	Methyl acetate, water, unfltrd µg/L (77032)	Methyl para-oxon, water, fltrd µg/L (61664)
Aug 12...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd µg/L (39415)	Metri-buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo-butanil, water, fltrd µg/L (61599)	Nitro-benzene, water, unfltrd µg/L (34447)	N-Nitroso-di-methyl-amine, wat unf µg/L (34438)	N-Nitroso-di-n-propyl-amine, wat unf µg/L (34428)	N-Nitroso-di-phenyl-amine, wat unf µg/L (34433)	p,p'-DDD, water, unfltrd µg/L (39360)	p,p'-DDE, water, unfltrd µg/L (39365)	p,p'-DDT, water, unfltrd µg/L (39370)
Aug 12...	<.008	E.10n	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)	Penta-chloro-phenol, water, unfltrd µg/L (39032)	Phenan-threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate, water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet, water, fltrd µg/L (61601)	Prome-ton, water, fltrd µg/L (04037)	Prome-tryn, water, fltrd µg/L (04036)	Propy-zamide, water, fltrd 0.7u GF µg/L (82676)
Aug 12...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.06mc	<.008mc	<.01	<.006	<.004

403047074125901 Local number R 130. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- chloro- ethane, water, unfltrd µg/L (34506)
Aug 12...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)
Aug 12...	<.10	<.04	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)
Aug 12...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc

403047074125901 Local number R 130. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 12...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl-ether water, unfltrd µg/L (81576)	Diiso-propyl-ether water, unfltrd µg/L (81577)	Ethyl-methac-rylate water, unfltrd µg/L (73570)	Ethyl-methyl-ketone water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 12...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Hexa-chloro-buta-diene water, unfltrd µg/L (39702)	Hexa-chloro-ethane water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl-methyl-ketone water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl-acrylo-nitrile water, unfltrd µg/L (81593)	Methyl-acryl-ate water, unfltrd µg/L (49991)	Methyl-methac-rylate water, unfltrd µg/L (81597)	Methyl-tert-pentyl-ether water, unfltrd µg/L (50005)	meta-+ para-Xylene water, unfltrd µg/L (85795)	Naphth-alene water, unfltrd µg/L (34696)	Methyl-n-butyl-ketone water, unfltrd µg/L (77103)	n-Butyl-benzene water, unfltrd µg/L (77342)
Aug 12...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

403047074125901 Local number R 130. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 12...	<.04	<.04	<.04	<.04	<.04	<.1	<.06	<.04	<.08	<.1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	trans-1,4-Di-chloro-2-butene, wat unf µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane water, unfltrd µg/L (34488)	Tri-chloro-methane water, unfltrd µg/L (32106)	Vinyl chlor-ide, water, unfltrd µg/L (39175)	Di-chlor-voS, water, fltrd, µg/L (38775)
Aug 12...	<.6	<.02	<.08	<.02	<.1	<.01mc



Water-Data Report 2008

403040074144801 Local number R 131.1

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

LOCATION.--Lat 40°30'40.1", long 74°14'48.7" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southwest corner of Johnson Avenue and Craig Avenue, southernmost well, Tottenville, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 69 ft. Upper casing diameter 2 in; top of first opening 59 ft, bottom of last opening 64 ft.

DATUM.--Land-surface datum is 59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.18 ft below land-surface datum.

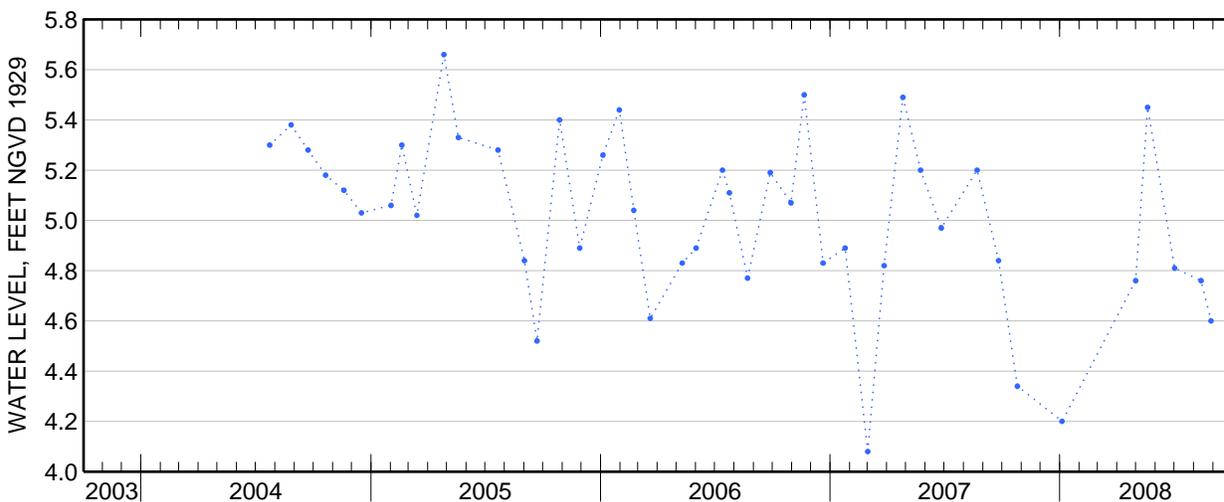
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.33 ft above sea level, December 1, 2006; lowest recorded, 3.90 ft above sea level, March 9 and 21, 2007.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	4.34	Jul 1	4.81
Jan 4	4.20	Aug 12	4.76
Apr 30	4.76	28	4.60
May 19	5.45		



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conduc-tance, wat unf 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	Potas-sium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Chlor-ide, water, fltrd, mg/L (00940)
Aug 12...	1020	54.24	50.06	1.9	.3	7.5	467	15.9	71.3	11.3	1.08	13.8	16.5

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd (01002)	Barium, water, unfltrd recover -able, mg/L (01007)	Cadmium water, unfltrd (01027)	Chrom-ium, water, unfltrd recover -able, mg/L (01034)	Copper, water, unfltrd recover -able, mg/L (01042)
Aug 12...	E.07n	19.2	46.3	293	<.020	.12	<.002	.017	<.60	396	E.01n	1.2	<1.2

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Iron, water, fltrd, recover -able, mg/L (01046)	Iron, water, unfltrd recover -able, mg/L (01045)	Lead, water, unfltrd recover -able, mg/L (01051)	Mangan-ese, water, fltrd, recover -able, mg/L (01056)	Mangan-ese, water, unfltrd recover -able, mg/L (01055)	Mercury water, unfltrd recover -able, mg/L (71900)	Selen-ium, water, unfltrd (01147)	Silver, water, unfltrd recover -able, mg/L (01077)	Zinc, water, unfltrd recover -able, mg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd (82626)	1-Naph-thol, water, fltrd 0.7u GF (49295)	2,4,6-Tri-chloro-phenol, water, unfltrd (34621)	2,4-Di-chloro-phenol, water, unfltrd (34601)
Aug 12...	11	68	.18	94.0	110	<.010	.99	E.02n	3.6	<.30	<.04mc	<.6	<.39

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, water, fltrd µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphthalene, water, unfltrd µg/L (34581)	2-Chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-dinitro-phenol, water, unfltrd µg/L (34657)	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Dichloro-benzidine, water, unfltrd µg/L (34631)
Aug 12...	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc	<.6	<.4mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl phenyl ether, water, unfltrd µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl phenol, water, unfltrd µg/L (34452)	4-Chloro-phenyl ether, water, unfltrd µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluorene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)
Aug 12...	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006	<.01	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl-n-butyl phthal-ate, water, unfltrd µg/L (34292)	Bis(2-chloro-ethoxy) methane, water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)
Aug 12...	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthalate, wat unf µg/L (39100)	Carbaryl, fltrd 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos, water, fltrd, µg/L (61636)	Chlor-pyrifos, water, fltrd, µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin, water, fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin, water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)
Aug 12...	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003	<.012	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Di-benzo-[a,h]-anthracene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Diel-drin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Fenami-phos sulfone, water, fltrd, µg/L (61645)
Aug 12...	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc	<.006	<.053

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Fenami-phos sulf-oxide, water, fltrd, µg/L (61646)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil, amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd, µg/L (62167)	Fipro-nil sulfone, water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Fluor-anthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd, µg/L (04095)	Hepta-chlor epoxide, water, unfltrd µg/L (39420)	Hepta-chlor, water, unfltrd µg/L (39410)	Hexa-chloro-benzene, water, unfltrd µg/L (39700)	Hexa-chloro-cyclo-penta-diene, wat unf µg/L (34386)	Hexa-zinone, water, fltrd, µg/L (04025)
Aug 12...	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30	<.4mc	<.008

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Indeno- [1,2,3- cd]- pyrene, water, unfltrd µg/L (34403)	lpro- dione, water, fltrd µg/L (61593)	Isofen- phos, water, fltrd µg/L (61594)	Iso- phorone water, unfltrd µg/L (34408)	Lindane water, unfltrd µg/L (39340)	Mala- oxon, water, fltrd µg/L (61652)	Mala- thion, water, fltrd µg/L (39532)	Meta- laxyl, water, fltrd µg/L (61596)	Methid- athion, water, fltrd µg/L (61598)	Methyl acetate water, unfltrd µg/L (77032)	Methyl para- oxon, water, fltrd µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)
Aug 12...	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc	<.008	E.07n

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Metola- chlor, water, fltrd µg/L (39415)	Metri- buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo- butanil water, fltrd µg/L (61599)	Nitro- benzene water, unfltrd µg/L (34447)	N- Nitroso -di- methyl- amine, wat unf µg/L (34438)	N- Nitroso -di-n- propyl- amine, wat unf µg/L (34428)	N- Nitroso -di- phenyl- amine, wat unf µg/L (34433)	p,p'- DDD, water, unfltrd µg/L (39360)	p,p'- DDE, water, unfltrd µg/L (39365)	p,p'- DDT, water, unfltrd µg/L (39370)	p,p'- Meth- oxy- chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)
Aug 12...	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010	<.002	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Pendi- meth- alin, water, fltrd 0.7u GF µg/L (82683)	Penta- chloro- phenol, water, unfltrd µg/L (39032)	Phenan- threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet water, fltrd µg/L (61601)	Prome- ton, water, fltrd µg/L (04037)	Prome- tryn, water, fltrd µg/L (04036)	Propy- zamide, water, fltrd 0.7u GF µg/L (82676)	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd µg/L (04035)
Aug 12...	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004	<.35	<.006

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos- oxon water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- butyl- azine, water, fltrd, µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd µg/L (34506)	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	CFC-113 water, unfltrd µg/L (77652)
Aug 12...	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02	<.10	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- -Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- -Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)
Aug 12...	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04	<.5	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)	4- Chloro- toluene water, unfltrd µg/L (77277)	4-Iso- propyl- toluene water, unfltrd µg/L (77356)
Aug 12...	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc	<.04	<.08

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Acetone	Acrylo-	Bromo-	Bromo-	Bromo-	Tri-	Bromo-	Carbon	Chloro-	Chloro-	Chloro-		
	water,	nitrile	benzene	benzene	chloro-	chloro-	ethene,	di-	benzene	ethane,	methane		
	unfltrd	water,	water,	water,	methane	methane	water,	sulfide	water,	water,	water,		
	μg/L	unfltrd	unfltrd	unfltrd	water,	water,	unfltrd	water,	unfltrd	unfltrd	unfltrd		
	(81552)	μg/L	μg/L	μg/L	unfltrd	unfltrd	μg/L	μg/L	μg/L	μg/L	μg/L		
		(34215)	(34030)	(81555)	(77297)	(32101)	(50002)	(32104)	(34413)	(77041)	(34301)		
											(34311)		
												(34418)	
Aug													
12...	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02	<.1	<.1mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	cis-	cis-	Di-	Di-	Di-	Di-	Diiso-	Ethyl	Ethyl	Hexa-			
	1,2-Di-	1,3-Di-	bromo-	bromo-	chloro-	chloro-	ethyl	methac-	methyl	chloro-			
	ethene,	chloro-	chloro-	methane	fluoro-	methane	ether,	rylate,	ketone,	buta-			
	water,	water,	water,	water,	methane	water,	water,	water,	water,	diene,			
	unfltrd	unfltrd	unfltrd	unfltrd	wat unf	unfltrd	unfltrd	unfltrd	unfltrd	water,			
	μg/L												
	(77093)	(34704)	(32105)	(30217)	(34668)	(34423)	(81576)	(81577)	(73570)	(81595)			
										(34371)			
										(39702)			
											(34396)		
Aug													
12...	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Iodo-	Iso-	Methyl	Methyl	Methyl	Methyl	meta-	Naphth-	Methyl	n-Butyl	n-Propyl-	o-	
	methane	butyl	acrylo-	acryl-	methac-	tert-	+ para-	alene,	n-butyl	benzene	benzene	Xylene,	
	water,	ketone,	nitrite	ate,	rylate,	ether,	Xylene,	water,	ketone,	water,	water,	water,	
	unfltrd	water,	water,										
	μg/L	unfltrd	unfltrd										
	(77424)	μg/L	μg/L										
		(78133)	(77223)	(81593)	(49991)	(81597)	(50005)	(85795)	(34696)	(77103)	(77342)	(77224)	
												(77135)	
Aug													
12...	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1	<.04	<.04

403040074144801 Local number R 131. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	sec-Butyl-benzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butyl-benzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene water, unfltrd µg/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)
Aug 12...	<.04	<.04	<.04	<.1	<.06	<.04	<.08	<.1	<.02	<.02	<.10	<.6	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL.]

Date	Tri-chloro-fluoro-methane water, unfltrd µg/L (34488)	Tri-chloro-methane water, unfltrd µg/L (32106)	Vinyl chlor-ide, water, unfltrd µg/L (39175)	Di-chlor-voS, water, fltrd, µg/L (38775)
Aug 12...	<.08	<.02	<.1	<.01mc



Water-Data Report 2008

403040074144901 Local number R 132. 1

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

LOCATION.--Lat 40°30'40.2", long 74°14'48.9" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at southwest corner of Johnson Avenue and Craig Avenue, northernmost well, Tottenville, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 10 ft. Upper casing diameter 2 in; top of first opening 5 ft, bottom of last opening 10 ft.

DATUM.--Land-surface datum is 59 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; 60-minute recording interval. Periodic measurements made with chalked steel tape by U.S. Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 53.58 ft above sea level, April 18 and 19, 2007; lowest recorded, 51.17 ft above sea level, September 21, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 51.93 ft above sea level, May 24 and 25; lowest recorded, 51.26 ft above sea level, September 5.

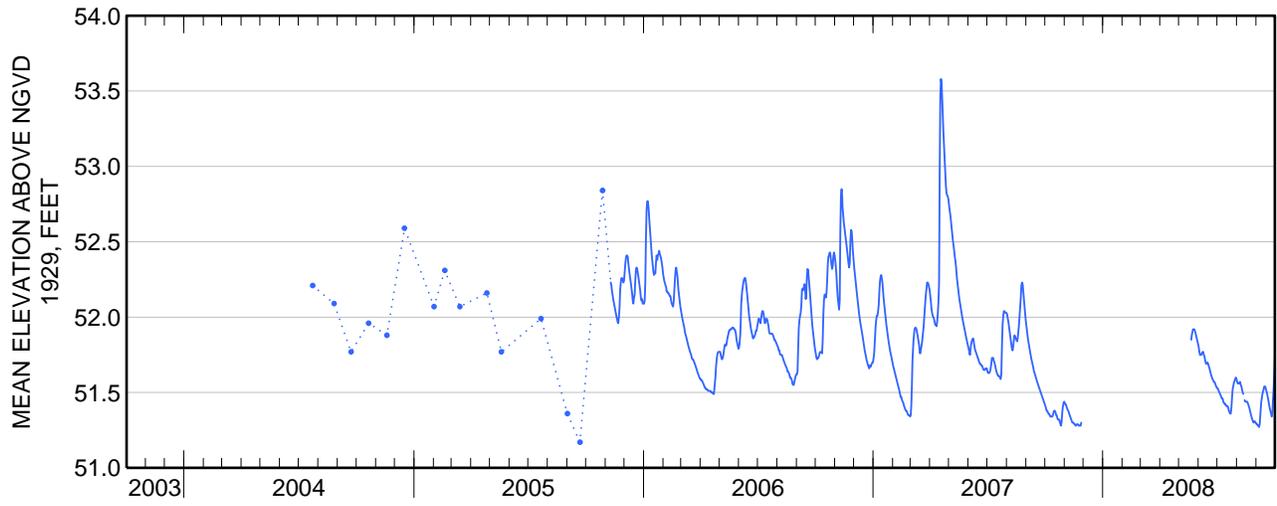
403040074144901 Local number R 132. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51.41	51.43	---	---	---	---	---	---	51.80	51.53	51.57	51.29
2	51.40	51.42	---	---	---	---	---	---	51.77	51.52	51.56	51.29
3	51.38	51.42	---	---	---	---	---	---	51.75	51.51	51.56	51.28
4	51.38	51.40	---	---	---	---	---	---	51.75	51.50	51.56	51.28
5	51.37	51.39	---	---	---	---	---	---	51.75	51.49	51.57	51.27
6	51.36	51.38	---	---	---	---	---	---	51.76	51.48	51.57	51.29
7	51.36	51.37	---	---	---	---	---	---	51.77	51.47	51.55	51.36
8	51.35	51.36	---	---	---	---	---	---	51.77	51.46	51.54	51.42
9	51.34	51.35	---	---	---	---	---	---	51.75	51.46	51.52	51.46
10	51.34	51.33	---	---	---	---	---	---	51.74	51.44	51.50	51.48
11	51.34	51.32	---	---	---	---	---	---	51.72	51.43	51.49	51.51
12	51.34	51.31	---	---	---	---	---	---	51.70	51.43	---	51.52
13	51.35	51.30	---	---	---	---	---	---	51.69	51.42	51.45	51.54
14	51.37	51.30	---	---	---	---	---	---	51.69	51.42	51.44	51.54
15	51.38	51.30	---	---	---	---	---	---	51.70	51.41	51.44	51.54
16	51.38	51.29	---	---	---	---	---	---	51.69	51.41	51.44	51.52
17	51.37	51.29	---	---	---	---	---	---	51.68	51.41	51.44	51.50
18	51.35	51.28	---	---	---	---	---	---	51.66	51.40	51.43	51.49
19	51.35	51.28	---	---	---	---	---	---	51.64	51.38	51.42	51.46
20	51.33	51.29	---	---	---	---	---	51.85	51.63	51.37	51.40	51.45
21	51.32	51.29	---	---	---	---	---	51.88	51.61	51.36	51.39	51.43
22	51.32	51.29	---	---	---	---	---	51.90	51.60	51.36	51.37	51.39
23	51.32	51.28	---	---	---	---	---	51.92	51.59	51.40	51.35	51.37
24	51.31	51.28	---	---	---	---	---	51.92	51.58	51.47	51.34	51.36
25	51.29	51.28	---	---	---	---	---	51.92	51.57	51.52	51.32	51.34
26	51.28	51.28	---	---	---	---	---	51.91	51.57	51.55	51.31	51.36
27	51.31	51.30	---	---	---	---	---	51.90	51.56	51.56	51.30	51.45
28	51.37	---	---	---	---	---	---	51.87	51.55	51.58	51.31	51.52
29	51.41	---	---	---	---	---	---	51.86	51.54	51.59	51.31	51.62
30	51.43	---	---	---	---	---	---	51.84	51.53	51.60	51.30	51.74
31	51.44	---	---	---	---	---	---	51.82	---	51.59	51.30	---
Mean	51.36	51.33	---	---	---	---	---	---	51.67	51.47	51.44	51.44
Max	51.44	51.43	---	---	---	---	---	---	51.80	51.60	51.57	51.74
Min	51.28	51.28	---	---	---	---	---	---	51.53	51.36	51.30	51.27
Med	51.35	51.30	---	---	---	---	---	---	51.69	51.46	51.44	51.45

	Calendar Year 2007	Water Year 2008
Mean	51.82	51.48
Max	53.58	51.92
Min	51.28	51.27
Med	51.78	51.43

403040074144901 Local number R 132. 1—Continued



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conduc-tance, wat un f μS/cm 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	Potas-sium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Chlor-ide, water, fltrd, mg/L (00940)
Aug 12...	1140	7.52	7.29	7.7	3.5	6.6	206	20.5	63.2	3.68	.77	5.4	11.0c

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd μg/L (01002)	Barium, water, unfltrd recover -able, μg/L (01007)	Cadmium water, unfltrd μg/L (01027)	Chrom-ium, water, unfltrd recover -able, μg/L (01034)	Copper, water, unfltrd recover -able, μg/L (01042)
Aug 12...	<.12	8.4	23.9c	233	.030	6.22d	.007	.011	<.60	17.7	<.01	2.7	E.73n

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Iron, water, fltrd, μg/L (01046)	Iron, water, unfltrd recover -able, μg/L (01045)	Lead, water, unfltrd recover -able, μg/L (01051)	Mangan-ese, water, fltrd, μg/L (01056)	Mangan-ese, water, unfltrd recover -able, μg/L (01055)	Mercury water, unfltrd recover -able, μg/L (71900)	Selen-ium, water, unfltrd μg/L (01147)	Silver, water, unfltrd recover -able, μg/L (01077)	Zinc, water, unfltrd recover -able, μg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd μg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF μg/L (49295)	2,4,6-Tri-chloro-phenol, water, unfltrd μg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd μg/L (34601)
Aug 12...	E7n	197	.16	3.8	7.5	<.010	6.2	<.02	E1.3n	<.30	<.04mc	<.6	<.39

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide, water, fltrd µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphthalene, water, unfltrd µg/L (34581)	2-Chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-dinitro-phenol, water, unfltrd µg/L (34657)	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Dichlorobenzidine, water, unfltrd µg/L (34631)
Aug 12...	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc	<.6	<.4mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	3,4-Dichloro-aniline, water, fltrd µg/L (61625)	4-Bromophenyl phenyl ether, water, unfltrd µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl phenol, water, unfltrd µg/L (34452)	4-Chlorophenyl ether, water, unfltrd µg/L (34641)	4-Nitrophenol, water, unfltrd µg/L (34646)	9H-Fluorene, water, unfltrd µg/L (34381)	Ace-naphthene, water, unfltrd µg/L (34205)	Ace-naphthylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)
Aug 12...	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006	<.01	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Anthracene, water, unfltrd µg/L (34220)	Atrazine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthracene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-perylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl-n-butyl phthalate, water, unfltrd µg/L (34292)	Bis(2-chloro-ethoxy) methane, water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)
Aug 12...	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthalate, wat unf µg/L (39100)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos, water, fltrd µg/L (61636)	Chlor-pyrifos, water, fltrd µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin, water, fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd µg/L (61585)	Cyper-methrin, water, fltrd µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd µg/L (62170)	Diazi-non, water, fltrd µg/L (39572)
Aug 12...	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003	<.012	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Di-benzo-[a,h]-anthracene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd µg/L (38454)	Diel-drin, water, fltrd µg/L (39381)	Diel-drin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon, water, fltrd µg/L (61644)	Ethion, water, fltrd µg/L (82346)	Fenami-phos sulfone, water, fltrd µg/L (61645)
Aug 12...	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc	<.006	<.053

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Fenami-phos sulf-oxide, water, fltrd µg/L (61646)	Fenami-phos, water, fltrd µg/L (61591)	Desulf-inyl-fipro-nil, amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd µg/L (62167)	Fipro-nil sulfone, water, fltrd µg/L (62168)	Fipro-nil, water, fltrd µg/L (62166)	Fluor-anthene, water, unfltrd µg/L (34376)	Fonofos, water, fltrd µg/L (04095)	Hepta-chlor epoxide, water, unfltrd µg/L (39420)	Hepta-chlor, water, unfltrd µg/L (39410)	Hexa-chloro-benzene, water, unfltrd µg/L (39700)	Hexa-chloro-cyclo-penta-diene, wat unf µg/L (34386)	Hexa-zinone, water, fltrd µg/L (04025)
Aug 12...	<.20mc	<.03	E.003mtc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30	<.4mc	<.008

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Indeno- [1,2,3- cd]- pyrene, water, unfltrd µg/L (34403)	lpro- dione, water, fltrd µg/L (61593)	Isofen- phos, water, fltrd µg/L (61594)	Iso- phorone water, unfltrd µg/L (34408)	Lindane water, unfltrd µg/L (39340)	Mala- oxon, water, fltrd µg/L (61652)	Mala- thion, water, fltrd µg/L (39532)	Meta- laxyl, water, fltrd µg/L (61596)	Methid- athion, water, fltrd µg/L (61598)	Methyl acetate water, unfltrd µg/L (77032)	Methyl para- oxon, water, fltrd µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)
Aug 12...	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc	<.008	E.06n

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Metola- chlor, water, fltrd µg/L (39415)	Metri- buzin, water, fltrd µg/L (82630)	Mirex, water, unfltrd µg/L (39755)	Myclo- butanil water, fltrd µg/L (61599)	Nitro- benzene water, unfltrd µg/L (34447)	N- Nitroso -di- methyl- amine, wat unf µg/L (34438)	N- Nitroso -di-n- propyl- amine, wat unf µg/L (34428)	N- Nitroso -di- phenyl- amine, wat unf µg/L (34433)	p,p'- DDD, water, unfltrd µg/L (39360)	p,p'- DDE, water, unfltrd µg/L (39365)	p,p'- DDT, water, unfltrd µg/L (39370)	p,p'- Meth- oxy- chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)
Aug 12...	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010	<.002	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Pendi- meth- alin, water, fltrd 0.7u GF µg/L (82683)	Penta- chloro- phenol, water, unfltrd µg/L (39032)	Phenan- threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd µg/L (61666)	Phorate water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd µg/L (61668)	Phosmet water, fltrd µg/L (61601)	Prome- ton, water, fltrd µg/L (04037)	Prome- tryn, water, fltrd µg/L (04036)	Propy- zamide, water, fltrd 0.7u GF µg/L (82676)	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd µg/L (04035)
Aug 12...	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004	<.35	<.006

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos- oxon water, fltrd, 0.7u GF µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- butyl- azine, water, fltrd, (04022) µg/L	tert- Amyl alcohol water, unfltrd (77073) µg/L	tert- Butyl- alcohol water, unfltrd (77035) µg/L	Toxa- phene, water, unfltrd (39400) µg/L	Tribu- phos, water, fltrd, (61610) µg/L	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd (77562) µg/L	1,1,1- Tri- chloro- ethane, water, unfltrd (34506) µg/L	1,1,2,2- Tetra- chloro- ethane, water, unfltrd (34516) µg/L	CFC-113 water, unfltrd (77652) µg/L
Aug 12...	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02	<.10	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	1,1,2- Tri- chloro- ethane, water, unfltrd (34511) µg/L	1,1-Di- chloro- ethane, water, unfltrd (34496) µg/L	1,1-Di- chloro- ethene, water, unfltrd (34501) µg/L	1,1-Di- chloro- propene water, unfltrd (77168) µg/L	1,2,3,4- -Tetra- methyl- benzene water, unfltrd (49999) µg/L	1,2,3,5- -Tetra- methyl- benzene water, unfltrd (50000) µg/L	1,2,3- Tri- chloro- benzene water, unfltrd (77613) µg/L	1,2,3- Tri- chloro- propane water, unfltrd (77443) µg/L	1,2,3- Tri- methyl- benzene water, unfltrd (77221) µg/L	1,2,4- Tri- chloro- benzene water, unfltrd (34551) µg/L	1,2,4- Tri- methyl- benzene water, unfltrd (77222) µg/L	Dibromo chloro- propane water, unfltrd (82625) µg/L	1,2-Di- bromo- ethane, water, unfltrd (77651) µg/L
Aug 12...	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04	<.5	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	1,2-Di- chloro- benzene water, unfltrd (34536) µg/L	1,2-Di- chloro- ethane, water, unfltrd (32103) µg/L	1,2-Di- chloro- propane water, unfltrd (34541) µg/L	1,3,5- Tri- methyl- benzene water, unfltrd (77226) µg/L	1,3-Di- chloro- benzene water, unfltrd (34566) µg/L	1,3-Di- chloro- propane water, unfltrd (77173) µg/L	1,4-Di- chloro- benzene water, unfltrd (34571) µg/L	2,2-Di- chloro- propane water, unfltrd (77170) µg/L	2- Chloro- toluene water, unfltrd (77275) µg/L	2- Ethyl- toluene water, unfltrd (77220) µg/L	3- Chloro- propene water, unfltrd (78109) µg/L	4- Chloro- toluene water, unfltrd (77277) µg/L	4-Iso- propyl- toluene water, unfltrd (77356) µg/L
Aug 12...	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc	<.04	<.08

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Acetone	Acrylo-	Bromo-	Bromo-	Bromo-	Tri-	Bromo-	Carbon	Chloro-	Chloro-	Chloro-		
	water,	nitrile	benzene	benzene	chloro-	chloro-	ethene,	di-	benzene	ethane,	methane		
	unfltrd	water,	water,	water,	methane	methane	water,	methane	water,	water,	water,	water,	
	unfltrd												
	μg/L												
	(81552)	(34215)	(34030)	(81555)	(77297)	(32101)	(50002)	(32104)	(34413)	(77041)	(34301)	(34311)	(34418)
Aug													
12...	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02	<.1	<.1mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	cis-	cis-	Di-	Di-	Di-	Di-	Diiso-	Ethyl	Ethyl	Hexa-	Hexa-		
	1,2-Di-	1,3-Di-	bromo-	bromo-	chloro-	chloro-	ethyl	methac-	methyl	chloro-	chloro-		
	ethene,	propene	methane	methane	fluoro-	methane	ether,	rylate,	ketone,	buta-	ethane,		
	water,	water,	water,	water,	methane	water,							
	unfltrd	unfltrd	unfltrd	unfltrd	wat unf	unfltrd							
	μg/L												
	(77093)	(34704)	(32105)	(30217)	(34668)	(34423)	(81576)	(81577)	(73570)	(81595)	(34371)	(39702)	(34396)
Aug													
12...	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample; method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Iodo-	Iso-	Methyl	Methyl	Methyl	Methyl	meta-	Naphth-	Methyl	n-	n-	o-	
	methane	butyl	propyl-	acrylo-	acryl-	methac-	+ para-	alene,	n-butyl	Butyl	Propyl-	Xylene,	
	water,	ketone,	benzene	nitrile	ate,	rylate,	Xylene,	water,	ketone,	benzene	benzene	water,	
	unfltrd	water,											
	unfltrd												
	μg/L												
	(77424)	(78133)	(77223)	(81593)	(49991)	(81597)	(50005)	(85795)	(34696)	(77103)	(77342)	(77224)	(77135)
Aug													
12...	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1	<.04	<.04

403040074144901 Local number R 132. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	sec-Butyl-benzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butyl-benzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene water, unfltrd µg/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)
Aug 12...	<.04	<.04	<.04	<.1	<.06	<.04	<.08	<.1	<.02	<.02	<.10	<.6	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Tri-chloro-fluoro-methane water, unfltrd µg/L (34488)	Tri-chloro-methane water, unfltrd µg/L (32106)	Vinyl chlor-ide, water, unfltrd µg/L (39175)	Di-chlor-voS, water, fltrd, µg/L (38775)
Aug 12...	<.08	E.04b	<.1	<.01mc



Water-Data Report 2008

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.

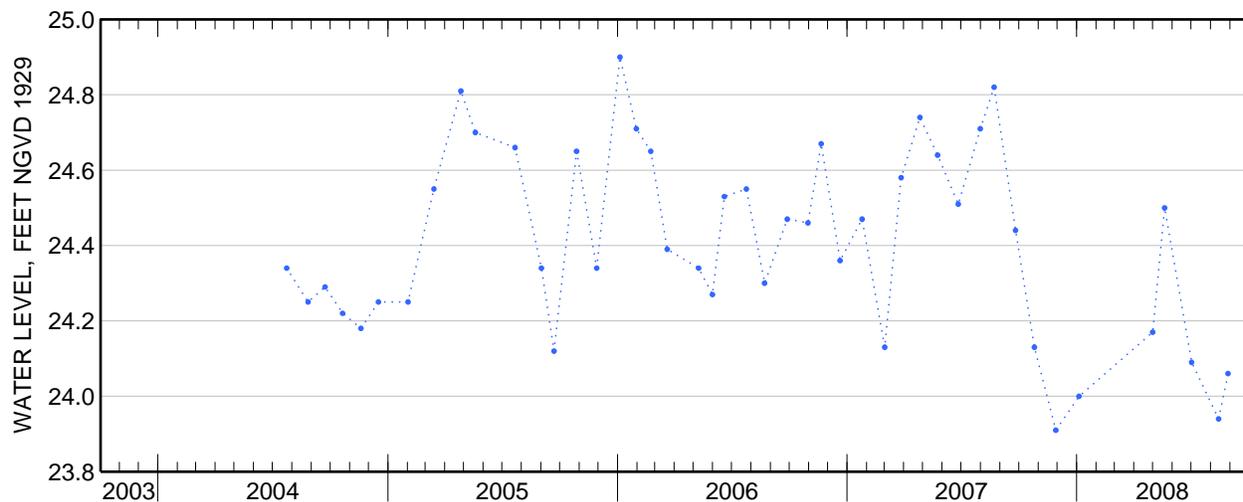
PERIOD OF RECORD.--July 2004 to current year.

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, 23.91 ft above sea level, November 28, 2007.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	24.13	May 19	24.50
Nov 28	23.91	Jul 1	24.09
Jan 4	24.00	Aug 13	23.94
Apr 30	24.17	28	24.06



WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Time	Depth to water level, feet below MP, LSD (72019)	Water level, depth below MP, (61055)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd lab, std units (00403)	Specific conduc-tance, wat un-f μS/cm 25 degC (00095)	Temper-ature, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Potas-sium, water, unfltrd recover-able, mg/L (00937)	Sodium, water, unfltrd recover-able, mg/L (00929)	Alka-linity, wat flt inf tit mg/L as CaCO3 (39086)
Aug 13...	1015	37.06	36.76	8.9	.3	6.6	827	15.3	62.1	16.9	3.52	67.5	184

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd, μg/L (01002)	Barium, water, unfltrd recover-able, μg/L (01007)	Cadmium water, unfltrd, μg/L (01027)
Aug 13...	224	125	.17	24.4	40.2	486	1.49d	1.23	<.002	<.006	E.57n	334	.13

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Chrom-ium, water, unfltrd recover-able, μg/L (01034)	Copper, water, unfltrd recover-able, μg/L (01042)	Iron, water, fltrd, μg/L (01046)	Iron, water, unfltrd recover-able, μg/L (01045)	Lead, water, unfltrd recover-able, μg/L (01051)	Mangan-ese, water, fltrd, μg/L (01056)	Mangan-ese, water, unfltrd recover-able, μg/L (01055)	Mercury water, unfltrd recover-able, μg/L (71900)	Selen-ium, water, unfltrd recover-able, μg/L (01147)	Silver, water, unfltrd recover-able, μg/L (01077)	Zinc, water, unfltrd recover-able, μg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd, μg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF μg/L (49295)
Aug 13...	.44	1.6	3,980	4,100	1.01	4,290d	4,590d	.018	.08	E.02n	16.0	<.30	<.04mc

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	2,4,6-Tri-chloro-phenol, water, unfltrd µg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd µg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	2,4-Di-nitro-toluene, water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene, water, unfltrd µg/L (34626)	2Chloro -2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd µg/L (04040)	2-Chloro-naphth-alene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl -6-methyl-aniline, water, fltrd µg/L (61620)	2-Methyl-4,6-di-nitro-phenol, wat unf µg/L (34657)
Aug 13...	<.6	Mt	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl ether, wat unf µg/L (34636)	4-Chloro-2methyl phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)
Aug 13...	<.6	<.4mc	E.031mc	<.36	E.014mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	Azin-phos-methyl oxon, water, fltrd µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyln-butyl phthal-ate, water, unfltrd µg/L (34292)
Aug 13...	<.01	<.01	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Bis(2-chloro-ethoxy) methane water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthal-ate, wat unf µg/L (39100)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-dane, tech-nical, water, unfltrd µg/L (39350)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	Chrys-ene, water, unfltrd µg/L (34320)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
Aug 13...	<.35	<.30	<.38	Mt	<.060mc	<.1	<.06mc	<.005	Mt	<.010	<.016mc	<.014mc	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)	Di- benzo- [a,h]- anthra- cene, wat unf µg/L (34556)	Dicro- topfos, water, fltrd, µg/L (38454)	Diel- drin, water, fltrd, µg/L (39381)	Diel- drin, water, unfltrd µg/L (39380)	Di- ethyl phthal- ate, water, unfltrd µg/L (34336)	Dimeth- oate, water, fltrd 0.7u GF µg/L (82662)	Di- methyl phthal- ate, water, unfltrd µg/L (34341)	Di-n- butyl phthal- ate, water, unfltrd µg/L (39110)	Di-n- octyl phthal- ate, water, unfltrd µg/L (34596)	Endrin, water, unfltrd µg/L (39390)	Ethion monoxon water, fltrd, µg/L (61644)
Aug 13...	<.012	<.005	<.4	<.08mc	<.009	<.008	<.61	<.008mc	<.59	<.4	<.4	<.01	<.02mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Ethion, water, fltrd, µg/L (82346)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos sulf- oxide, water, fltrd, µg/L (61646)	Fenami- phos, water, fltrd, µg/L (61591)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fluor- anthene water, unfltrd µg/L (34376)	Fonofos water, fltrd, µg/L (04095)	Hepta- chlor epoxide water, unfltrd µg/L (39420)	Hepta- chlor, water, unfltrd µg/L (39410)	Hexa- chloro- benzene water, unfltrd µg/L (39700)
Aug 13...	<.006	<.053	<.20mc	<.03	<.029mc	E.004t	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Hexa-chloro-cyclopentadiene, water, unfltrd μg/L (34386)	Hexa-zinone, water, fltrd μg/L (04025)	Indeno-[1,2,3-cd]pyrene, water, unfltrd μg/L (34403)	Ipro-dione, water, fltrd μg/L (61593)	Isofen-phos, water, fltrd μg/L (61594)	Iso-phorone, water, unfltrd μg/L (34408)	Lindane, water, unfltrd μg/L (39340)	Mala-oxon, water, fltrd μg/L (61652)	Mala-thion, water, fltrd μg/L (39532)	Meta-laxyl, water, fltrd μg/L (61596)	Methid-athion, water, fltrd μg/L (61598)	Methyl acetate, water, unfltrd μg/L (77032)	Methyl para-oxon, water, fltrd μg/L (61664)
Aug 13...	<.4mc	<.008	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Methyl para-thion, water, fltrd 0.7u GF μg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola-chlor, water, fltrd μg/L (39415)	Metri-buzin, water, fltrd μg/L (82630)	Mirex, water, unfltrd μg/L (39755)	Myclo-butanil, water, fltrd μg/L (61599)	Nitro-benzene, water, unfltrd μg/L (34447)	N-Nitroso-di-methyl-amine, wat unf μg/L (34438)	N-Nitroso-di-n-propyl-amine, wat unf μg/L (34428)	N-Nitroso-di-phenyl-amine, wat unf μg/L (34433)	p,p'-DDD, water, unfltrd μg/L (39360)	p,p'-DDE, water, unfltrd μg/L (39365)	p,p'-DDT, water, unfltrd μg/L (39370)
Aug 13...	<.008	.10	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	p,p'-Methoxy-chlor, water, unfltrd μg/L (39480)	PCBs, water, unfltrd μg/L (39516)	Pendi-meth-alin, water, fltrd 0.7u GF μg/L (82683)	Penta-chloro-phenol, water, unfltrd μg/L (39032)	Phenan-threne, water, unfltrd μg/L (34461)	Phenol, water, unfltrd μg/L (34694)	Phorate oxon, water, fltrd μg/L (61666)	Phorate, water, fltrd 0.7u GF μg/L (82664)	Phosmet oxon, water, fltrd μg/L (61668)	Phosmet, water, fltrd μg/L (61601)	Prome-ton, water, fltrd μg/L (04037)	Prome-tryn, water, fltrd μg/L (04036)	Propy-zamide, water, fltrd 0.7u GF μg/L (82676)
Aug 13...	<.002	<.1	<.012	<.4mc	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd µg/L (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd µg/L (34506)
Aug 13...	<.35	<.006	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.080mc	<.009	<.04	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	1,1,2- Tri- chloro- ethane, CFC-113 water, unfltrd µg/L (77652)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34496)	1,1-Di- chloro- propene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene, water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene, water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene, water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene, water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane, water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene, water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene, water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene, water, unfltrd µg/L (77222)
Aug 13...	<.10	<.04	<.06	.14	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 15 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Dibromo- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene, water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane, water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene, water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene, water, unfltrd µg/L (34566)	1,3-Di- chloro- propane, water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene, water, unfltrd µg/L (34571)	2,2-Di- chloro- propane, water, unfltrd µg/L (77170)	2- Chloro- toluene, water, unfltrd µg/L (77275)	2- Ethyl- toluene, water, unfltrd µg/L (77220)	3- Chloro- propene, water, unfltrd µg/L (78109)
Aug 13...	<.5	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	.14	<.04	<.08mc

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 16 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	4-Chloro-toluene water, unfltrd µg/L (77277)	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)
Aug 13...	<.04	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 17 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Chloro-ethane water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-chloro-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane water, unfltrd µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl ether, water, unfltrd µg/L (81576)	Diiso-propyl ether, water, unfltrd µg/L (81577)	Ethyl methac-rylate, water, unfltrd µg/L (73570)	Ethyl methyl ketone, water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)
Aug 13...	<.1	<.1mc	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 18 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Hexa-chloro-buta-diene, water, unfltrd µg/L (39702)	Hexa-chloro-ethane, water, unfltrd µg/L (34396)	Iodo-methane water, unfltrd µg/L (77424)	Iso-butyl methyl ketone, water, unfltrd µg/L (78133)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Methyl acrylo-nitrile water, unfltrd µg/L (81593)	Methyl acryl-ate, water, unfltrd µg/L (49991)	Methyl methac-rylate, water, unfltrd µg/L (81597)	Methyl tert-pentyl ether, water, unfltrd µg/L (50005)	meta-Xylene, water, unfltrd µg/L (85795)	Naphth-alene, water, unfltrd µg/L (34696)	Methyl n-butyl ketone, water, unfltrd µg/L (77103)	n-Butyl benzene water, unfltrd µg/L (77342)
Aug 13...	<.1	<.1	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1

403143074115301 Local number R 133. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	n-Propylbenzene water, unfltrd µg/L (77224)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Tetra-chloro-methane water, unfltrd µg/L (32102)	Tetra-hydro-furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd µg/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd µg/L (34699)
Aug 13...	<.04	<.04	<.04	<.04	<.04	.9	<.06	E.04n	<.08	<1	<.02	<.02	<.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	trans-1,4-Di-chloro-2-butene, wat unf µg/L (73547)	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane water, unfltrd µg/L (34488)	Tri-chloro-methane water, unfltrd µg/L (32106)	Vinyl chlor-ide, water, unfltrd µg/L (39175)	Di-chlor-vo-s, water, fltrd, µg/L (38775)
Aug 13...	<.6	<.02	<.08	<.02	<.1	<.01mc



Water-Data Report 2008

403547074090801 Local number R 134.1

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

LOCATION.--Lat 40°35'46.8", long 74°09'08.1" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at the City University of New York, College of Staten Island Campus, west side of Loop Road about 4,600 ft south of Victory Boulevard, Willowbrook, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 38 ft. Upper casing diameter 2 in; top of first opening 28 ft, bottom of last opening 33 ft.

DATUM.--Land-surface datum is 76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.06 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, 66.00 ft above sea level, April 16, 2006; lowest recorded, 55.61 ft above sea level, December 15, 2007.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 61.92 ft above sea level, March 20; lowest recorded, 55.61 ft above sea level, December 15.

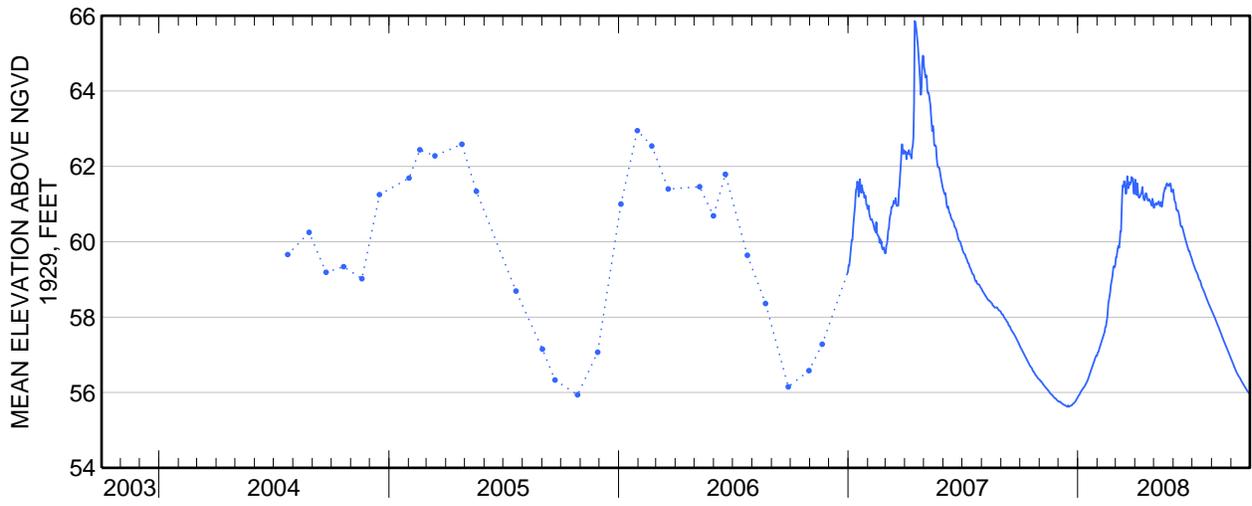
403547074090801 Local number R 134. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	57.20	56.33	55.76	55.90	57.05	59.59	61.65	60.91	61.28	59.46	58.15	56.85
2	57.18	56.30	55.75	55.92	57.07	59.59	61.28	60.99	61.12	59.41	58.11	56.81
3	57.15	56.30	55.76	55.94	57.12	59.72	61.24	61.01	61.06	59.37	58.06	56.77
4	57.11	56.27	55.74	55.98	57.16	59.84	61.55	61.03	61.04	59.32	58.02	56.73
5	57.08	56.25	55.73	56.02	57.23	59.90	61.34	60.98	60.87	59.28	57.98	56.68
6	57.05	56.23	55.71	56.04	57.31	59.84	61.19	61.02	60.83	59.23	57.95	56.66
7	57.01	56.20	55.70	56.07	57.33	60.02	61.17	61.03	60.84	59.20	57.91	56.60
8	56.99	56.18	55.69	56.09	57.39	60.28	61.18	61.07	60.81	59.17	57.87	56.57
9	56.95	56.16	55.67	56.12	57.46	60.27	61.23	61.02	60.74	59.14	57.82	56.54
10	56.92	56.14	55.67	56.13	57.52	60.71	61.28	60.95	60.65	59.07	57.78	56.49
11	56.89	56.11	55.66	56.16	57.54	61.22	61.33	60.96	60.52	59.02	57.74	56.46
12	56.85	56.10	55.65	56.18	57.61	61.50	61.45	61.05	60.42	58.98	57.70	56.44
13	56.81	56.08	55.64	56.21	57.73	61.45	61.26	60.93	60.40	58.97	57.65	56.42
14	56.78	56.06	55.63	56.26	57.75	61.61	61.14	61.03	60.41	58.91	57.61	56.39
15	56.75	56.05	55.62	56.29	57.87	61.59	61.10	61.15	60.35	58.84	57.56	56.36
16	56.72	56.02	55.66	56.31	57.97	61.43	61.11	61.29	60.30	58.79	57.52	56.32
17	56.69	55.99	55.62	56.37	58.16	61.27	61.24	61.35	60.24	58.76	57.48	56.29
18	56.67	55.97	55.63	56.42	58.36	61.41	61.29	61.43	60.17	58.72	57.44	56.26
19	56.65	55.95	55.64	56.47	58.45	61.74	61.24	61.41	60.08	58.68	57.40	56.23
20	56.61	55.94	55.65	56.51	58.56	61.59	61.15	61.51	60.02	58.64	57.35	56.21
21	56.58	55.92	55.65	56.55	58.66	61.42	61.09	61.55	59.97	58.59	57.30	56.18
22	56.55	55.91	55.66	56.63	58.85	61.58	61.09	61.53	59.94	58.54	57.26	56.15
23	56.54	55.88	55.69	56.68	58.94	61.51	61.13	61.48	59.89	58.49	57.23	56.12
24	56.50	55.86	55.70	56.72	59.03	61.55	61.09	61.51	59.80	58.44	57.20	56.09
25	56.47	55.85	55.71	56.76	59.16	61.59	61.06	61.48	59.75	58.40	57.16	56.07
26	56.45	55.84	55.73	56.81	59.32	61.72	61.00	61.55	59.75	58.38	57.11	56.04
27	56.43	55.82	55.75	56.86	59.36	61.65	60.96	61.53	59.68	58.34	57.06	56.02
28	56.40	55.80	55.77	56.90	59.32	61.68	61.14	61.33	59.63	58.30	57.02	56.00
29	56.38	55.79	55.81	56.95	59.39	61.36	61.07	61.35	59.58	58.26	56.98	55.98
30	56.36	55.77	55.83	56.98	---	61.27	60.90	61.32	59.53	58.23	56.94	---
31	56.35	---	55.86	56.97	---	61.46	---	61.39	---	58.20	56.89	---
Mean	56.74	56.04	55.70	56.39	58.09	61.01	61.20	61.23	60.32	58.81	57.52	56.37
Max	57.20	56.33	55.86	56.98	59.39	61.74	61.65	61.55	61.28	59.46	58.15	56.85
Min	56.35	55.77	55.62	55.90	57.05	59.59	60.90	60.91	59.53	58.20	56.89	55.98
Med	56.72	56.03	55.69	56.31	57.87	61.42	61.18	61.29	60.32	58.79	57.52	56.36

	Calendar Year 2007	Water Year 2008
Mean	59.43	58.29
Max	65.86	61.74
Min	55.62	55.62
Med	59.66	57.65

403547074090801 Local number R 134. 1—Continued





Water-Data Report 2008

403533074064601 Local number R 135. 1

New York and New England crystalline-rock aquifers
Basement Complex
Richmond County, NY

LOCATION.--Lat 40°35'33", long 74°06'46" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Richmond County Country Club, east side of No. 7 fairway, Dongan Hills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 150 ft. Upper casing diameter 6 in; top of first opening undefined, bottom of last opening undefined. Cased near surface, open hole at bottom.

DATUM.--Land-surface datum is 186 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

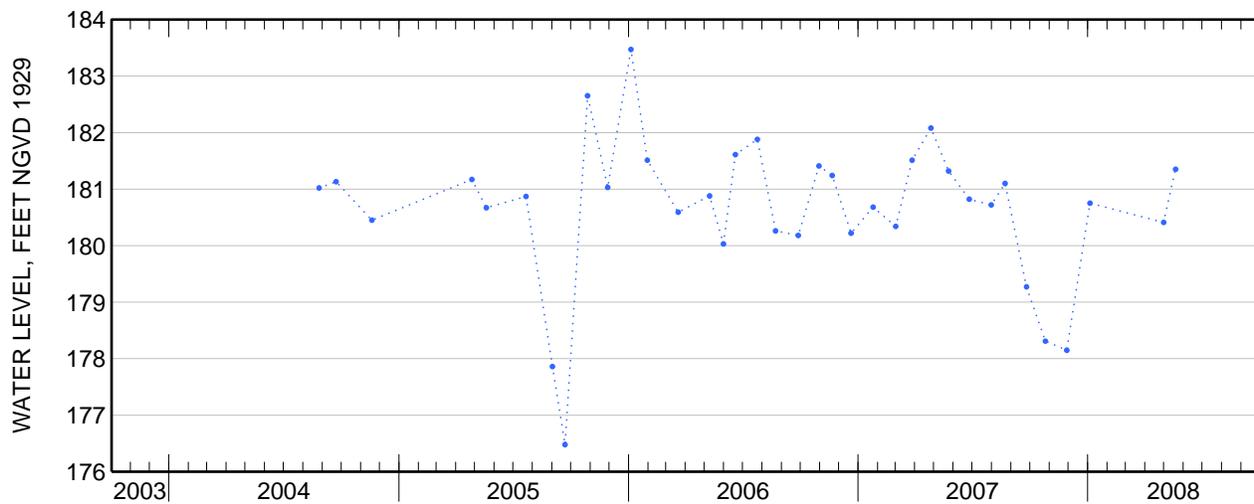
PERIOD OF RECORD.--August 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183.47 ft above sea level, January 4, 2006; lowest measured, 176.48 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	178.31	Apr 30	180.41
Nov 28	178.15	May 19	181.35
Jan 4	180.75		





Water-Data Report 2008

403513074064301 Local number R 136.1

New York and New England crystalline-rock aquifers
 Basement Complex
 Richmond County, NY

LOCATION.--Lat 40°35'13", long 74°06'43" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Richmond County Country Club, east side of No. 2 fairway, Dongan Hills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 6 in; top of first opening undefined, bottom of last opening undefined. Cased near surface, open hole at bottom.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft below land-surface datum.

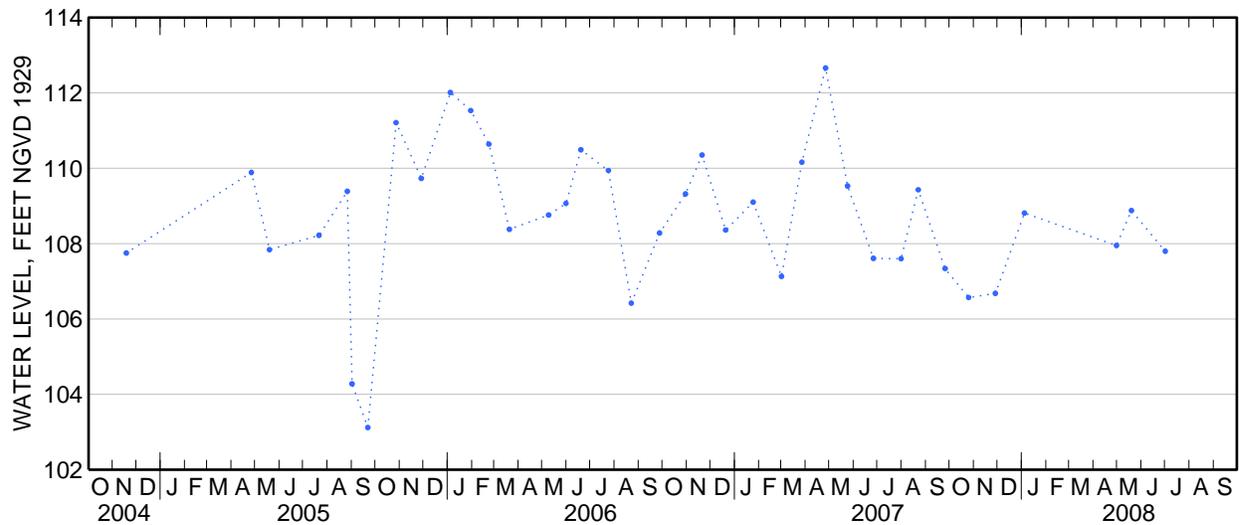
PERIOD OF RECORD.--November 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.66 ft above sea level, April 26, 2007; lowest measured, 103.12 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	106.57	Apr 30	107.95
Nov 28	106.68	May 19	108.88
Jan 4	108.81	Jul 1	107.80





Water-Data Report 2008

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.

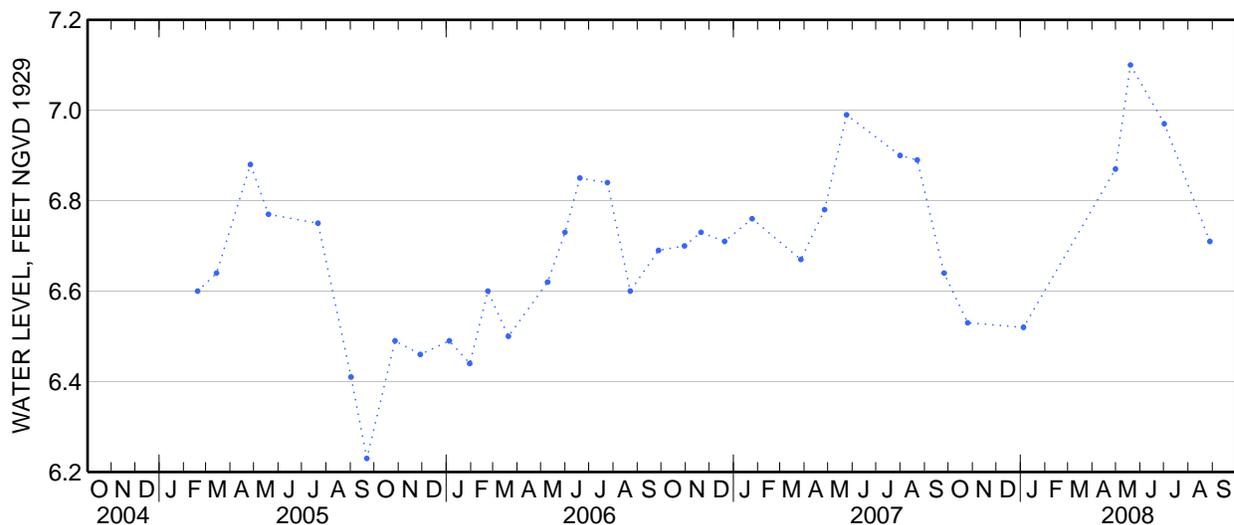
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft above sea level, May 19, 2008; lowest measured, 6.23 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	6.53	May 19	7.10
Jan 4	6.52	Jul 1	6.97
Apr 30	6.87	Aug 28	6.71





Water-Data Report 2008

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.

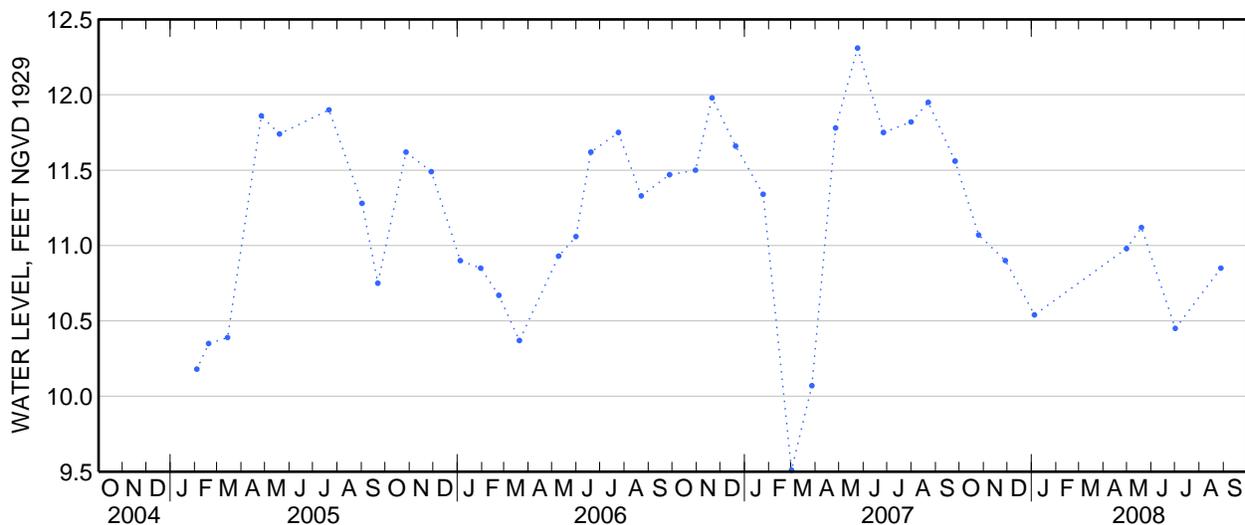
PERIOD OF RECORD.--February 2005 to current year.

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.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	11.07	May 19	11.12
Nov 28	10.90	Jul 1	10.45
Jan 4	10.54	Aug 28	10.85
Apr 30	10.98		





Water-Data Report 2008

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.

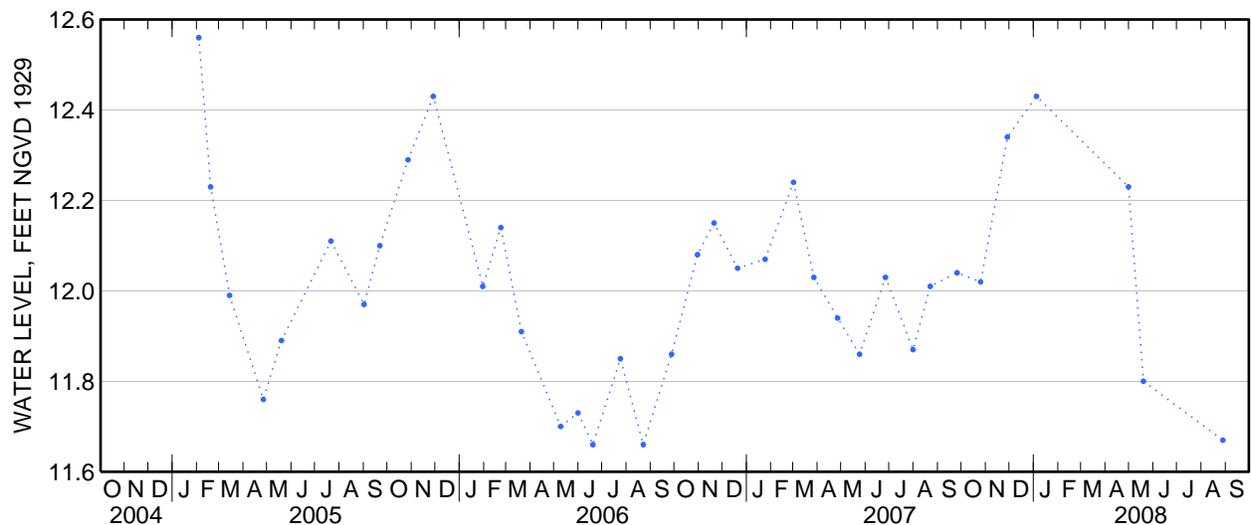
PERIOD OF RECORD.--February 2005 to current year.

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, 11.66 ft above sea level, June 19 and August 22, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	12.02	Apr 30	12.23
Nov 28	12.34	May 19	11.80
Jan 4	12.43	Aug 28	11.67





Water-Data Report 2008

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.

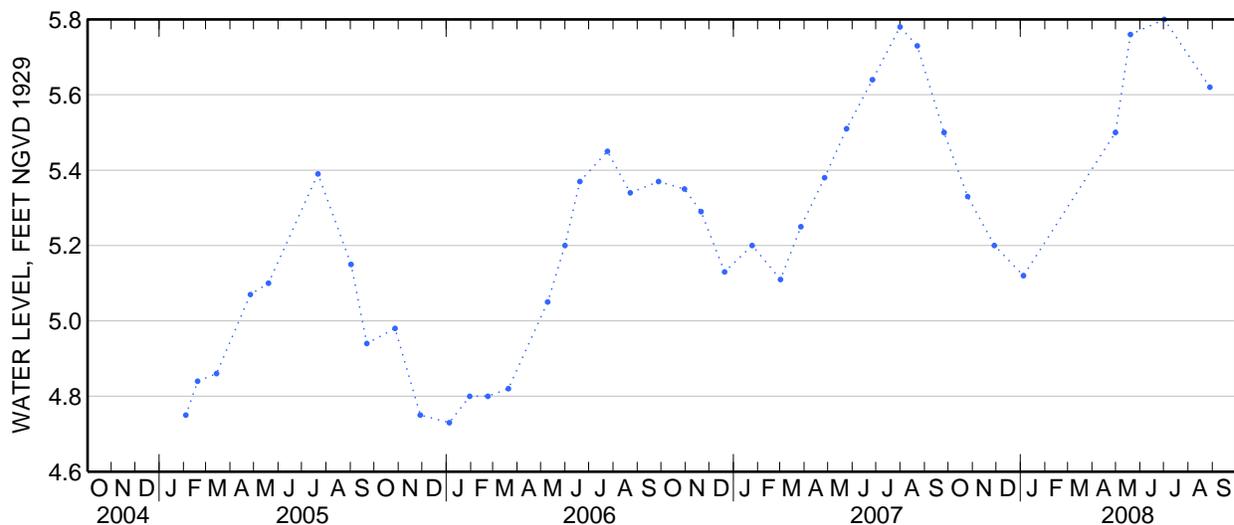
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft above sea level, July 1, 2008; lowest measured, 4.73 ft above sea level, January 4, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	5.33	May 19	5.76
Nov 28	5.20	Jul 1	5.80
Jan 4	5.12	Aug 28	5.62
Apr 30	5.50		





Water-Data Report 2008

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.

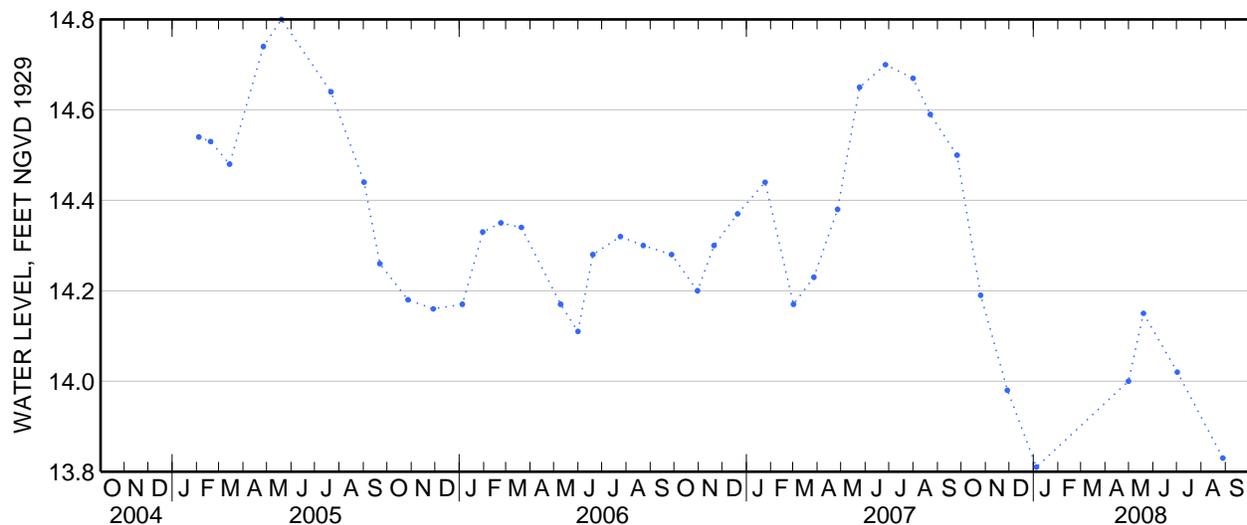
PERIOD OF RECORD.--February 2005 to current year.

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, 13.81 ft above sea level, January 4, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	14.19	May 19	14.15
Nov 28	13.98	Jul 1	14.02
Jan 4	13.81	Aug 28	13.83
Apr 30	14.00		





Water-Data Report 2008

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 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Oct 25	6.48	May 19	7.39
Nov 28	6.45	Jul 1	6.79
Jan 4	6.83	Aug 28	6.35
Apr 30	7.18		

