



Water-Data Report 2011

403503073402401 Local number N 11109. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°35'05.8", long 73°40'11.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at center island of Magnolia Boulevard, 52 ft north of West Broadway, Long Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 810 ft. Upper casing diameter 2 in; top of first opening 785 ft, bottom of last opening 790 ft.

DATUM.--Land-surface datum is 11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.12 ft below land-surface datum.

PERIOD OF RECORD.--November 1987, April 1988, March 1991, March 1992 to March 1998, March 2002, February 2006 to current year.

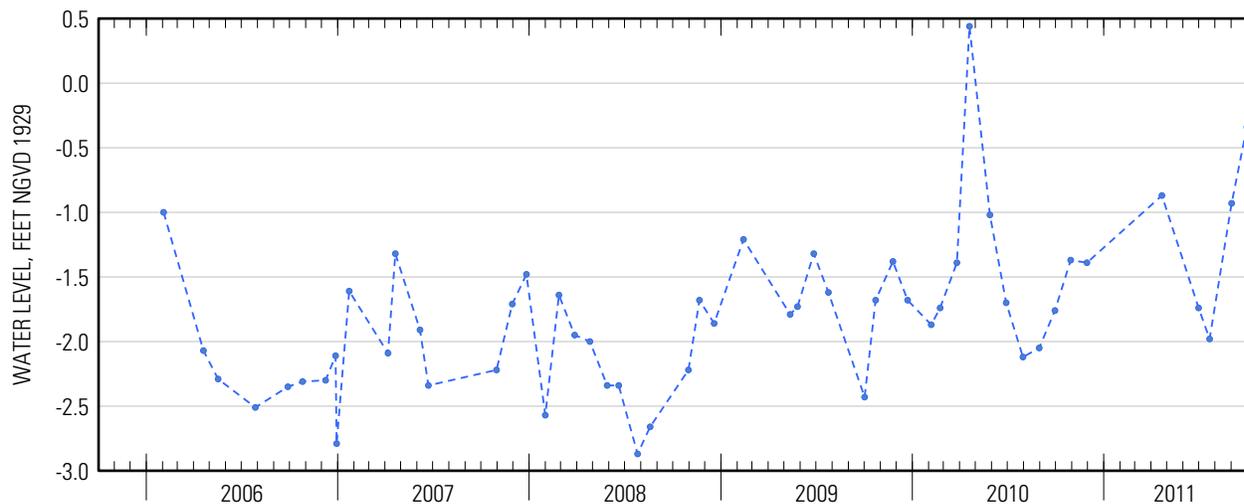
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.44 ft above sea level, April 19, 2010; lowest measured, 5.07 ft below sea level, March 25, 1992.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 29	-1.37	Jul 21	-1.98
Nov 29	-1.39	Sep 1	-0.93
Apr 21	-0.87	30	-0.34
Jun 30	-1.74		





Water-Data Report 2011

403505073401301 Local number N 11002. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°35'05.7", long 73°40'10.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Magnolia Boulevard, 52 ft north of West Broadway, Long Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,255 ft. Upper casing diameter 4 in; top of first opening 1,240 ft, bottom of last opening 1,250 ft.

DATUM.--Land-surface datum is 11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.00 ft below land-surface datum.

PERIOD OF RECORD.--November 1987, February 1988 to April 1988, March 1990 to March 1998, and March 2002 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.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.00 ft above sea level, April 3, 2009; lowest recorded, 2.21 ft below sea level, August 15, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 7.49 ft above sea level, May 26; lowest recorded, 0.23 ft above sea level, July 29.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 29	6.53	Jun 30	3.87
Nov 29	6.61	Jul 21	2.60
May 26	7.49	Sep 30	6.63

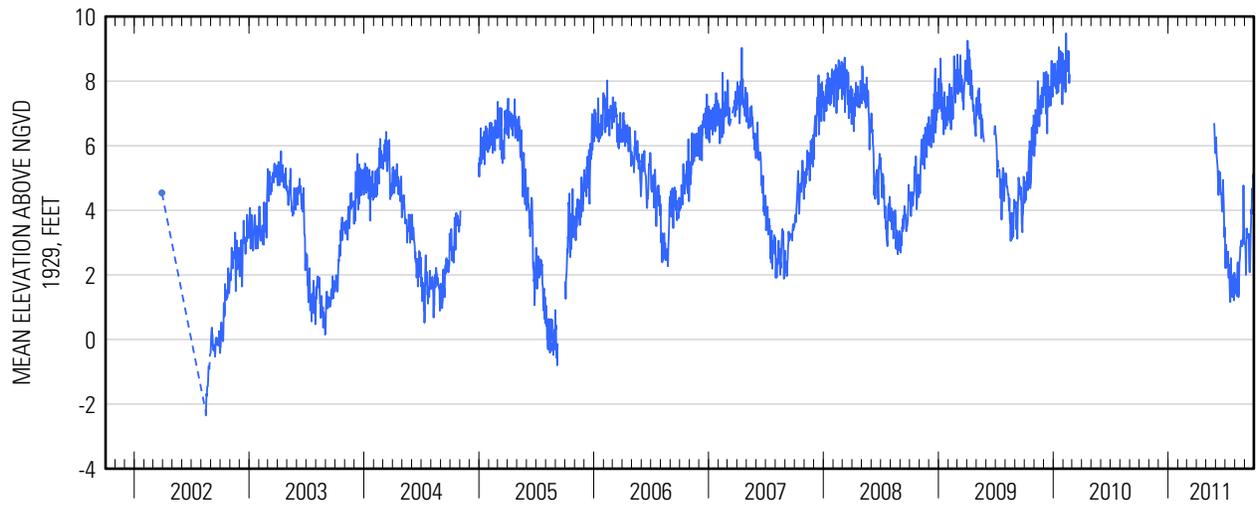
403505073401301 Local number N 11002. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	5.85	2.72	1.42	2.95
2	---	---	---	---	---	---	---	---	6.26	2.21	1.87	2.98
3	---	---	---	---	---	---	---	---	5.86	2.77	1.78	2.93
4	---	---	---	---	---	---	---	---	5.65	2.93	1.45	2.63
5	---	---	---	---	---	---	---	---	5.55	2.23	1.80	2.00
6	---	---	---	---	---	---	---	---	5.43	2.28	1.69	2.92
7	---	---	---	---	---	---	---	---	5.29	2.48	1.35	3.44
8	---	---	---	---	---	---	---	---	4.92	2.36	1.99	3.22
9	---	---	---	---	---	---	---	---	4.50	2.61	2.33	3.26
10	---	---	---	---	---	---	---	---	4.47	2.72	2.39	3.15
11	---	---	---	---	---	---	---	---	5.21	2.07	2.08	3.22
12	---	---	---	---	---	---	---	---	5.16	1.91	1.31	3.22
13	---	---	---	---	---	---	---	---	5.10	2.21	1.42	3.25
14	---	---	---	---	---	---	---	---	4.64	2.31	1.81	3.27
15	---	---	---	---	---	---	---	---	5.17	1.69	2.36	2.44
16	---	---	---	---	---	---	---	---	4.70	1.38	2.45	2.11
17	---	---	---	---	---	---	---	---	4.52	1.16	2.58	2.08
18	---	---	---	---	---	---	---	---	4.50	1.88	2.87	2.31
19	---	---	---	---	---	---	---	---	4.52	2.52	2.87	2.88
20	---	---	---	---	---	---	---	---	4.19	2.00	2.98	3.32
21	---	---	---	---	---	---	---	---	4.04	1.85	3.07	3.61
22	---	---	---	---	---	---	---	---	3.96	1.44	3.06	4.03
23	---	---	---	---	---	---	---	---	4.06	1.38	2.99	3.89
24	---	---	---	---	---	---	---	---	4.94	1.31	2.89	4.67
25	---	---	---	---	---	---	---	---	4.56	1.80	2.99	4.59
26	---	---	---	---	---	---	---	---	4.29	2.00	2.97	4.32
27	---	---	---	---	---	---	---	6.70	3.88	2.00	3.38	4.38
28	---	---	---	---	---	---	---	6.44	3.17	1.59	4.77	5.11
29	---	---	---	---	---	---	---	6.09	3.48	1.21	3.75	4.98
30	---	---	---	---	---	---	---	5.85	3.17	2.07	3.17	5.29
31	---	---	---	---	---	---	---	5.77	---	1.99	2.97	---
Mean	---	---	---	---	---	---	---	---	4.70	2.03	2.48	3.42
Max	---	---	---	---	---	---	---	---	6.26	2.93	4.77	5.29
Min	---	---	---	---	---	---	---	---	3.17	1.16	1.31	2.00
Med	---	---	---	---	---	---	---	---	4.60	2.00	2.45	3.24

	Calendar Year 2010	Water Year 2011
Mean	8.37	3.26
Max	9.48	6.70
Min	7.28	1.16
Med	8.36	2.98

403505073401301 Local number N 11002. 1—Continued



Water-Data Report 2011

403511073450901 Local number N 10620. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

WATER-QUALITY RECORDS

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 28

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

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)
06-30-2011	1100	< 1.0	6.3	210	17.9	9.6	113	6.52	1.97

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 28

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

Date	Sample start time	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
06-30-2011	1100	2.38	21.6	5.3	42.7	< .04	10.3	11.1	0.011	< .02

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 28

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

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Barium, water, unfiltered, recoverable, µg/L (01007)	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)
06-30-2011	1100	< .001	0.224	52.5	< .050	0.27	5.5	9,100	11,300	0.26

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 28

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

Date	Sample start time	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Silver, water, unfiltered, recoverable, µg/L (01077)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)
06-30-2011	1100	211	220	< .005	< .015	24.3	0.18	< .050	< .120	< .400

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 28

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

Date	Sample start time	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloropropane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, µg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, µg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, µg/L (34606)
06-30-2011	1100	< .028	< .08	< .0260	< .06	< .026	< .0360	< .34	< .36	< .8

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 28

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

Date	Sample start time	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	2-Methyl-4,6-dinitro-phenol, water, unfiltered, recoverable, µg/L (34657)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3-Chloro-propene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	4-Chloro-3-methyl-phenol, water, filtered, recoverable, µg/L (34452)
06-30-2011	1100	< .0060	< .010	< .006	< .010	< 2	< .0042	< .08	< .0046	< .54

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 28

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

Date	Sample start time	4-Nitro-phenol, water, unfiltered, recoverable, µg/L (34646)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldrin, water, unfiltered, recoverable, µg/L (39330)	alpha-Endo-sulfan, water, unfiltered, recoverable, µg/L (39388)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)
06-30-2011	1100	< .52	< .010	< .80	< .008	< .013	< .012	< .008	< .042	< .120

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 28

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

Date	Sample start time	Benfluralin,	Carbaryl,	Carbon disulfide,	Chlordane	Chlorpyrifos oxygen analog,	Chlorpyrifos,	cis-1,3-Di-	
		water, filtered (0.7 micron glass fiber filter), recoverable,	water, filtered (0.7 micron glass fiber filter), recoverable,		(technical), water, unfiltered, recoverable,				water, filtered, recoverable,
		µg/L (82673)	µg/L (34413)	µg/L (82680)	µg/L (77041)	µg/L (39350)	µg/L (61636)	µg/L (38933)	µg/L (34704)
06-30-2011	1100	< .014	< .2	< .060	< .2	< .1	< .06	< .0036	< .10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 28

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

Date	Sample start time	cis-Permethrin,	Cyfluthrin,	DCPA,	Desulfinyl-fipronil	Desulfinyl-fipronil,	Diazinon,	Dichlorvos,	Dicrotophos,	
		water, filtered (0.7 micron glass fiber filter), recoverable,		water, filtered (0.7 micron glass fiber filter), recoverable,						amide, water, filtered, recoverable,
		µg/L (82687)	µg/L (61585)	µg/L (61586)	µg/L (82682)	µg/L (62169)	µg/L (62170)	µg/L (39572)	µg/L (38775)	µg/L (38454)
06-30-2011	1100	< .010	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 10 of 28

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

Date	Sample start time	Dieldrin,	Dieldrin,	Dimetho-	Endrin,	Ethion	Ethion,	Fenami-	Fenami-	Fenami-
		water, filtered, recoverable,		water, unfiltered, recoverable,		ate, water, filtered (0.7 micron glass fiber filter), recoverable,		water, unfiltered, recoverable,	monoxon, water, filtered, recoverable,	water, filtered, recoverable,
		µg/L (39381)	µg/L (39380)	µg/L (82662)	µg/L (39390)	µg/L (61644)	µg/L (82346)	µg/L (61645)	µg/L (61646)	µg/L (61591)
06-30-2011	1100	< .008	< .008	< .0060	< .012	< .021	< .008	< .054	< .08	< .030

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 28

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

Date	Sample start time	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Heptachlor epoxide, water, unfiltered, recoverable, µg/L (39420)	Heptachlor, water, unfiltered, recoverable, µg/L (39410)	Hexachlorobenzene, water, unfiltered, recoverable, µg/L (39700)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)
06-30-2011	1100	< .012	< .024	< .018	< .0048	< .009	< .008	< .30	< .008	< .26

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 12 of 28

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

Date	Sample start time	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Lindane, water, unfiltered, recoverable, µg/L (39340)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)
06-30-2011	1100	< .014	< .011	< .014	< .022	< .016	< .014	< .012	< .014	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 13 of 28

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

Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Mirex, water, unfiltered, recoverable, µg/L (39755)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	p,p'-DDD, water, unfiltered, recoverable, µg/L (39360)	p,p'-DDE, water, unfiltered, recoverable, µg/L (39365)	p,p'-DDT, water, unfiltered, recoverable, µg/L (39370)	p,p'-Methoxychlor, water, unfiltered, recoverable, µg/L (39480)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)
06-30-2011	1100	< .020	< .012	< .0060	< .010	< .016	< .014	< .010	< .002	< .012

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 14 of 28

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

Date	Sample start time	Penta-chloro-phenol, water, unfiltered, recoverable, µg/L (39032)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propyz-amide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)
06-30-2011	1100	< .6	< .027	< .020	< .0511	< .140	< .012	< .006	< .0036	< .006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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

Date	Sample start time	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbufos oxygen sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthyl-azine, water, filtered, recoverable, µg/L (04022)	Toxa-phene, water, unfiltered, recoverable, µg/L (39400)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34699)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	PCBs, water, unfiltered, recoverable, µg/L (39516)
06-30-2011	1100	< .028	< .045	< .018	< .006	< 1	< .14	< .018	< .018	< .1

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 16 of 28

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

Date	Sample start time	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Tri-chloro-2,2-trifluoro-ethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (49999)
06-30-2011	1100	< .040	< .030	< .14	< .034	< .028	< .044	< .022	< .040	< .10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 17 of 28

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

Date	Sample start time	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, µg/L (82626)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)
06-30-2011	1100	< .080	< .06	< .060	< .08	< .032	< .028	< .30	< .032	< .024

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 18 of 28

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

Date	Sample start time	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2,4-Dinitro-phenol, water, unfiltered, recoverable, µg/L (34616)	2,4-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34626)	2-Chloro-naphthalene, water, unfiltered, recoverable, µg/L (34581)	2-Chloro-phenol, water, unfiltered, recoverable, µg/L (34586)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	2-Nitro-phenol, water, unfiltered, recoverable, µg/L (34591)
06-30-2011	1100	< .06	< 2	< .56	< .4	< .16	< .26	< .028	< .032	< .4

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 19 of 28

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

Date	Sample start time	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, µg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, µg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, µg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, µg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, µg/L (34381)	Acenaphthene, water, unfiltered, recoverable, µg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, µg/L (34200)	Acetone, water, unfiltered, recoverable, µg/L (81552)
06-30-2011	1100	< .42	< .24	< .34	< .042	< .06	< .34	< .28	< .30	< 3.4

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 20 of 28

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

Date	Sample start time	Anthracene, water, unfiltered, recoverable, µg/L (34220)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, µg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, µg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, µg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, µg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, µg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, µg/L (34278)
06-30-2011	1100	< .38	< .026	< .26	< .32	< .30	< .38	< .30	< 1.8	< .24

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 21 of 28

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

Date	Sample start time	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, µg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, µg/L (34283)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)	Bromobenzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloromethane, water, unfiltered, recoverable, µg/L (32101)	Bromoethene, water, unfiltered, recoverable, µg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, µg/L (34301)	Chloroethane, water, unfiltered, recoverable, µg/L (34311)
06-30-2011	1100	< .30	< .14	E .2	< .022	< .06	< .034	< .12	< .026	< .06

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 22 of 28

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

Date	Sample start time	Chloro-	Chrysene,	Dibenzo-	Dibromo-	Dibromo-	Dichloro-	Dichloro-	Diethyl	
		methane,	water,	cis-1,2-Di-	chloro-	chloro-	methane,	methane,	methane,	ether,
		water,	water,	chloro-	methane,	methane,	methane,	methane,	water,	
		unfiltered,	unfiltered,	ethene,	water,	water,	water,	water,	unfiltered,	
		recover-	recover-	water,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	recover-	
		able,	able,	recover-	recover-	recover-	recover-	recover-	able,	
		µg/L	µg/L	able,	able,	able,	able,	able,	µg/L	
		(34418)	(34320)	µg/L	µg/L	µg/L	µg/L	µg/L	(81576)	
				(77093)	(34556)	(32105)	(30217)	(34668)		
				(34423)				(34423)		
				(81576)					(81576)	
06-30-2011	1100	< .1	< .32	< .022	< .42	< .12	< .050	< .10	< .04	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 23 of 28

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

Date	Sample start time	Diethyl	Diiso-	Dimethyl	Di-n-butyl	Di-n-octyl	Ethyl	Ethyl	Ethyl-	Fluoran-
		phthalate,	propyl	phthalate,	phthalate,	phthalate,	metha-	methyl	benzene,	thene,
		water,	ether,	water,	water,	water,	crylate,	ketone,	water,	water,
		unfiltered,	water,	unfiltered,	unfiltered,	unfiltered,	water,	water,	unfiltered,	unfiltered,
		recover-	unfiltered,	recover-	recover-	recover-	unfiltered,	unfiltered,	recover-	recover-
		able,	recover-	able,	able,	able,	recover-	recover-	able,	able,
		µg/L	able,	µg/L						
		(34336)	(81577)	(34341)	(39110)	(34596)	(73570)	(81595)	(34371)	(34376)
06-30-2011	1100	0.16	< .06	0.04	< 2.00	< .6	< .20	< 1.6	< .036	< .30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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

Date	Sample start time	Hexa-	Hexa-	Hexa-	Indeno-	Isobutyl	Iso-	Isopropyl-	Methyl	Methyl
		chloro-	chloro-	chloro-	[1,2,3-cd]-	methyl	phorone,	benzene,	acetate,	acrylate,
		butadiene,	cyclo-	ethane,	pyrene,	ketone,	water,	water,	water,	water,
		unfiltered,	penta-	water,	water,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	unfiltered,
		recover-	diene,	unfiltered,						
		able,	water,	recover-						
		µg/L	unfiltered,	able,						
		(39702)	recover-	µg/L						
		(34386)	able,	(34396)	(34403)	(78133)	(34408)	(77223)	(77032)	(49991)
		(34386)	µg/L	(34396)	(34403)	(78133)	(34408)	(77223)	(77032)	(49991)
06-30-2011	1100	< .08	< .50	< .22	< .38	< .32	< .26	< .042	< .46	< .8

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable,	Methyl methacrylate, water, unfiltered, recoverable,	Methyl tert-butyl ether, water, unfiltered, recoverable,	Methyl tert-pentyl ether, water, unfiltered, recoverable,	Methylene blue active substances, water, unfiltered, recoverable,	m-Xylene plus p-xylene, water, unfiltered, recoverable,	Naphthalene, water, unfiltered, recoverable,	n-Butyl methyl ketone, water, unfiltered, recoverable,	n-Butylbenzene, water, unfiltered, recoverable,
		(81593) µg/L	(81597) µg/L	(78032) µg/L	(50005) µg/L	(38260) mg/L	(85795) µg/L	(34696) µg/L	(77103) µg/L	(77342) µg/L
06-30-2011	1100	< .26	< .22	< .10	< .06	< .050	< .08	< .18	< .4	< .08

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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

Date	Sample start time	Nitrobenzene, water, unfiltered, recoverable,	N-Nitrosodimethylamine, water, unfiltered, recoverable,	N-Nitrosodipropylamine, water, unfiltered, recoverable,	N-Nitrosodiphenylamine, water, unfiltered, recoverable,	n-Propylbenzene, water, unfiltered, recoverable,	o-Xylene, water, unfiltered, recoverable,	Phenanthrene, water, unfiltered, recoverable,	Phenol, water, unfiltered, recoverable,	Pyrene, water, unfiltered, recoverable,
		(34447) µg/L	(34438) µg/L	(34428) µg/L	(34433) µg/L	(77224) µg/L	(77135) µg/L	(34461) µg/L	(34694) µg/L	(34469) µg/L
06-30-2011	1100	< 0.26	< .24	< .4	< .28	< .036	< .032	M	< .28	< .36

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 27 of 28

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

Date	Sample start time	sec-Butylbenzene, water, unfiltered, recoverable,	Styrene, water, unfiltered, recoverable,	tert-Amyl alcohol, water, unfiltered, recoverable,	tert-Butyl alcohol, water, unfiltered, recoverable,	tert-Butyl ethyl ether, water, unfiltered, recoverable,	tert-Butylbenzene, water, unfiltered, recoverable,	Tetra-chloroethene, water, unfiltered, recoverable,	Tetra-chloromethane, water, unfiltered, recoverable,	Tetrahydrofuran, water, unfiltered, recoverable,
		(77350) µg/L	(77128) µg/L	(77073) µg/L	(77035) µg/L	(50004) µg/L	(77353) µg/L	(34475) µg/L	(32102) µg/L	(81607) µg/L
06-30-2011	1100	< .034	< .042	< .6	< .80	< .032	< .060	< .026	< .06	< 1.4

403511073450901 Local number N 10620. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 28 of 28

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

Date	Sample start time	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
06-30-2011	1100	< .02	< .018	< .4	< .10	< .022	< .06	< .03	< .06

Water-Data Report 2011

403517073430610 Local number N 6701. 2

Northern Atlantic Coastal Plain aquifer system
Raritan Confining Unit

Nassau County, NY

LOCATION.--Lat 40°35'17.0", long 73°43'04.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at pumping center, 0.1 mi west of end of Park Street, 300 ft north of Beech Street, in easternmost recorder shelter, Atlantic Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 837 ft. Upper casing diameter 4 in; top of first opening 822 ft, bottom of last opening 832 ft.

DATUM.--Land-surface datum is 11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.06 ft above land-surface datum.

PERIOD OF RECORD.--August 1959 to April 1988 and March 1991 to current year.

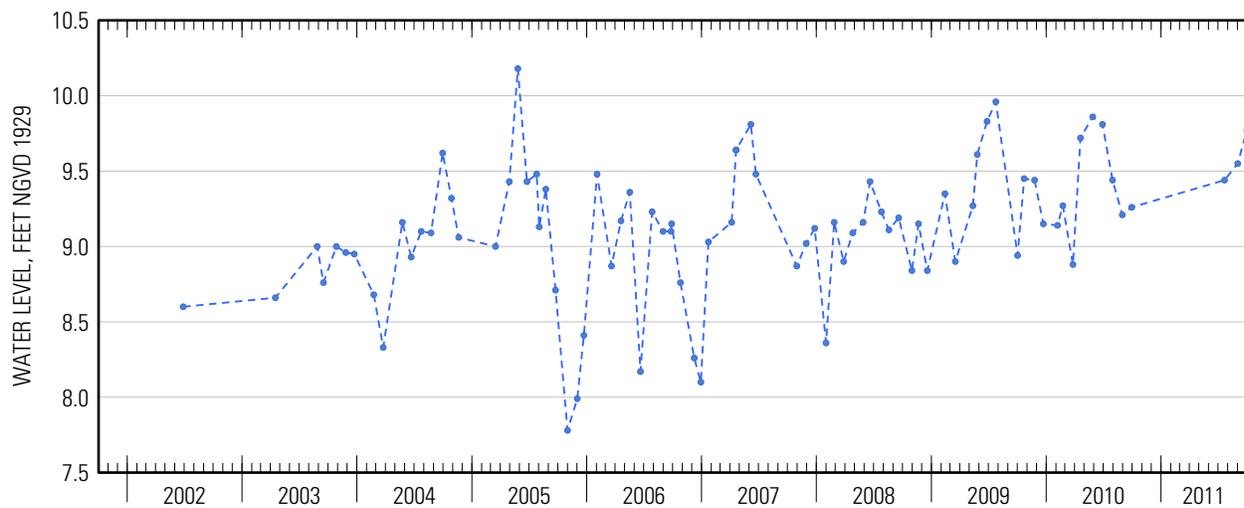
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.18 ft above sea level, May 26, 2005; lowest measured, 2.57 ft below sea level, October 30, 1968.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Jul 21	9.44	Sep 30	9.77
Sep 1	9.55		



Water-Data Report 2011

403517073430705 Local number N 6705. 1

Northern Atlantic Coastal Plain aquifer system
Jameco Aquifer

Nassau County, NY

LOCATION.--Lat 40°35'16.9", long 73°43'04.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at pumping center, 0.1 mi west of end of Park Street, 300 ft north of Beech Street, in westernmost recorder shelter, Atlantic Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 157 ft. Upper casing diameter 4 in; top of first opening 147 ft, bottom of last opening 157 ft.

DATUM.--Land-surface datum is 10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records for February 1968 to September 1968 are available in files of the U.S. Geological Survey.

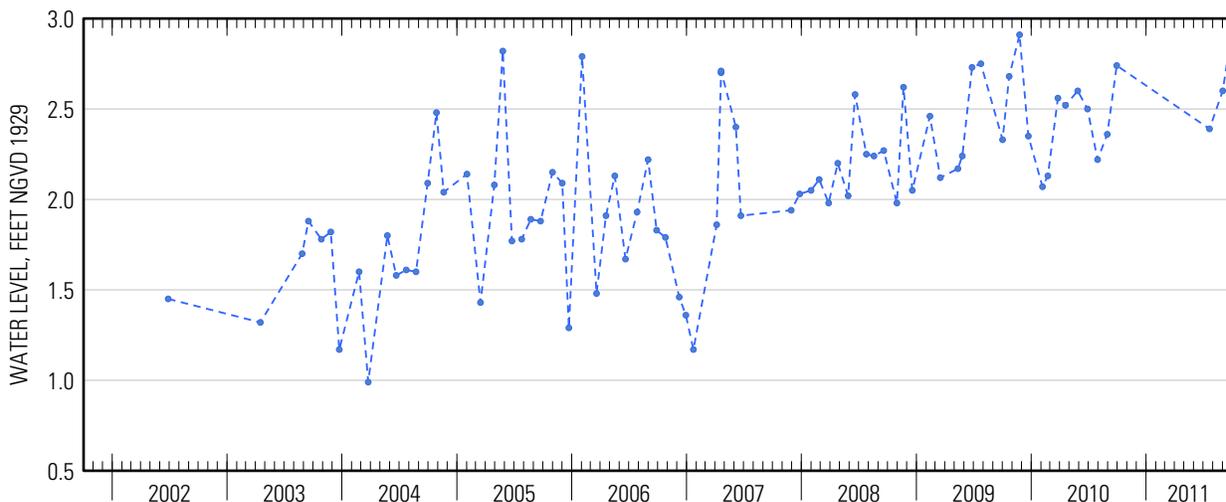
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.12 ft above sea level, March 3, 1969; lowest measured, 2.77 ft below sea level, April 5, 1973.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Jul 21	2.39	Sep 30	2.93
Sep 1	2.60		





Water-Data Report 2011

403530073340301 Local number N 2597. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°35'32", long 73°40'34" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 1,241 ft. Upper casing diameter 18 in; top of first opening 1,175 ft, bottom of last opening 1,235 ft.

DATUM.--Land-surface datum is 7.80 ft above National Geodetic Vertical Datum of 1929.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)
12-08-2010	1030	< 1.0	5.5	90	19.9	0.1	54	1.29	0.982
07-13-2011	0915	--	5.5	91	20.3	.1	50	1.32	1.04

403530073340301 Local number N 2597. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
12-08-2010	1030	1.02	8.49	4.1	6.01	0.07	9.69	19.1	< .010	< .02
07-13-2011	0915	1.03	8.91	< 4.0	6.33	.07	9.84	18.8	.013	< .02

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Barium, water, unfiltered, recoverable, µg/L (01007)	Cadmium, water, unfiltered, recoverable, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)
12-08-2010	1030	< .001	0.011	36.7	0.061	< .21	21.4	4,320	4,440	0.18
07-13-2011	0915	< .001	.019	36.5	< .050	< .21	10.5	4,020	4,300	.99

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Silver, water, unfiltered, recoverable, µg/L (01077)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,2,3-Tri-chloro-propane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, µg/L (82625)
12-08-2010	1030	122	109	< .005	< .015	46.3	< .09	< .050	< .120	< .400
07-13-2011	0915	112	111	< .005	< .015	41.6	< .09	< .050	< .120	< .400

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,2-Dibromoethane, water, unfiltered, recoverable,	1,2-Dichloroethane, water, unfiltered, recoverable,	1,2-Dichloropropane, water, unfiltered, recoverable,	1,3-Dichloropropane, water, unfiltered, recoverable,	1,4-Dichlorobenzene, water, unfiltered, recoverable,	1-Naphthol, water, (0.7 micron glass fiber filter), recoverable,	2,4,6-Trichlorophenol, water, unfiltered, recoverable,	2,4-Dichlorophenol, water, unfiltered, recoverable,	2,4-Dimethylphenol, water, unfiltered, recoverable,
		µg/L (77651)	µg/L (32103)	µg/L (34541)	µg/L (77173)	µg/L (34571)	µg/L (49295)	µg/L (34621)	µg/L (34601)	µg/L (34606)
12-08-2010	1030	< .028	< .08	< .0260	< .06	< .026	< .0360	< .34	< .36	< .8
07-13-2011	0915	< .028	< .08	< .0260	< .06	< .026	< .0360	< .34	< .36	< .8

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable,	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable,	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable,	2-Ethyl-6-methyl-aniline, water, filtered, recoverable,	2-Methyl-4,6-dinitrophenol, water, unfiltered, recoverable,	3,4-Dichloroaniline, water, filtered, recoverable,	3-Chloropropene, water, unfiltered, recoverable,	4-Chloro-2-methylphenol, water, filtered, recoverable,	4-Chloro-3-methylphenol, water, filtered, recoverable,
		µg/L (82660)	µg/L (61618)	µg/L (04040)	µg/L (61620)	µg/L (34657)	µg/L (61625)	µg/L (78109)	µg/L (61633)	µg/L (34452)
12-08-2010	1030	< .0060	< .010	< .006	< .010	< 2	< .0042	< .08	< .0046	< .54
07-13-2011	0915	< .0060	< .010	< .006	< .010	< 2	< .0042	< .08	< .0046	< .54

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	4-Nitrophenol, water, unfiltered, recoverable, µg/L (34646)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldrin, water, unfiltered, recoverable, µg/L (39330)	alpha-Endosulfan, water, unfiltered, recoverable, µg/L (39388)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)
12-08-2010	1030	< .52	< .010	< .80	< .008	< .013	< .012	< .008	< .042	< .120
07-13-2011	0915	< .52	< .010	< .80	< .008	< .013	< .012	< .008	< .042	< .120

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Bromomethane, water, unfiltered, recoverable, µg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbon disulfide, water, unfiltered, µg/L (77041)	Chlordane (technical), water, unfiltered, recoverable, µg/L (39350)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)
12-08-2010	1030	< .014	< .2	< .060	< .1	< .1	< .06	< .0036	< .10
07-13-2011	0915	< .014	< .2	< .060	< .1	< .1	< .06	< .0036	< .10

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)
12-08-2010	1030	< .010	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08
07-13-2011	0915	< .010	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dieldrin, water, unfiltered, recoverable, µg/L (39380)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Endrin, water, unfiltered, recoverable, µg/L (39390)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)
12-08-2010	1030	< .008	< .008	< .0060	< .012	< .021	< .008	< .054	< .08	< .030
07-13-2011	0915	< .008	< .008	< .0060	< .012	< .021	< .008	< .054	< .08	< .030

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Heptachlor epoxide, water, unfiltered, recoverable, µg/L (39420)	Heptachlor, water, unfiltered, recoverable, µg/L (39410)	Hexachlorobenzene, water, unfiltered, recoverable, µg/L (39700)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)
12-08-2010	1030	< .012	< .024	< .018	< .0048	< .009	< .008	< .30	< .008	< .26
07-13-2011	0915	< .012	< .024	< .018	< .0048	< .009	< .008	< .30	< .008	< .26

WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Lindane, water, unfiltered, recoverable, µg/L (39340)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl parathion, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)
12-08-2010	1030	< .014	< .006	< .014	< .022	< .016	< .014	< .012	< .014	< .008
07-13-2011	0915	< .014	< .006	< .014	< .022	< .016	< .014	< .012	< .014	< .008

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Mirex, water, unfiltered, recoverable, µg/L (39755)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	p,p'-DDD, water, unfiltered, recoverable, µg/L (39360)	p,p'-DDE, water, unfiltered, recoverable, µg/L (39365)	p,p'-DDT, water, unfiltered, recoverable, µg/L (39370)	p,p'-Methoxychlor, water, unfiltered, recoverable, µg/L (39480)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)
12-08-2010	1030	< .020	< .012	< .0060	< .010	< .016	< .014	< .010	< .002	< .012
07-13-2011	0915	< .020	< .012	< .0060	< .010	< .016	< .014	< .010	< .002	< .012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Pentachlorophenol, water, unfiltered, recoverable, µg/L (39032)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)
12-08-2010	1030	< .6	< .027	< .020	< .0511	< .140	< .012	< .006	< .0036	< .006
07-13-2011	0915	< .6	< .027	< .020	< .0511	< .140	< .012	< .006	< .0036	< .006

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbufos oxygen sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthyl-azine, water, filtered, recoverable, µg/L (04022)	Toxa-phene, water, unfiltered, recoverable, µg/L (39400)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34699)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	PCBs, water, unfiltered, recoverable, µg/L (39516)
12-08-2010	1030	< .028	< .045	< .018	< .006	< 1	< .14	< .018	< .018	< .1
07-13-2011	0915	< .028	< .045	< .018	< .006	< 1	< .14	< .018	< .018	< .1

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (49999)
12-08-2010	1030	< .040	< .030	< .14	< .034	< .028	< .044	< .022	< .040	< .10
07-13-2011	0915	< .040	< .030	< .14	< .034	< .028	< .044	< .022	< .040	< .10

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, µg/L (82626)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)
12-08-2010	1030	< .080	< .06	< .060	< .08	< .032	< .028	< .30	< .032	< .024
07-13-2011	0915	< .080	< .06	< .060	< .08	< .032	< .028	< .30	< .032	< .024

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2,4-Dinitro-phenol, water, unfiltered, recoverable, µg/L (34616)	2,4-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34626)	2-Chloro-naph-thalene, water, unfiltered, recoverable, µg/L (34581)	2-Chloro-phenol, water, unfiltered, recoverable, µg/L (34586)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	2-Nitro-phenol, water, unfiltered, recoverable, µg/L (34591)
12-08-2010	1030	< .06	< 2	< .56	< .4	< .16	< .26	< .028	< .032	< .4
07-13-2011	0915	< .06	< 2	< .56	< .4	< .16	< .26	< .028	< .032	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, µg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, µg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, µg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, µg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, µg/L (34381)	Acenaphthene, water, unfiltered, recoverable, µg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, µg/L (34200)	Acetone, water, unfiltered, recoverable, µg/L (81552)
12-08-2010	1030	< .42	< .24	< .34	< .042	< .06	< .34	< .28	< .30	< 3.4
07-13-2011	0915	< .42	< .24	< .34	< .042	< .06	< .34	< .28	< .30	< 3.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 20 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Anthracene, water, unfiltered, recoverable, µg/L (34220)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, µg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, µg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, µg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, µg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, µg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, µg/L (34278)
12-08-2010	1030	< .38	< .026	< .26	< .32	< .30	< .38	< .30	< 1.8	< .24
07-13-2011	0915	< .38	< .026	< .26	< .32	< .30	< .38	< .30	E .5	< .24

403530073340301 Local number N 2597. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 21 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Bis(2-chloro-ethyl) ether, water, unfiltered, recoverable, µg/L (34273)	Bis(2-chloro-isopropyl) ether, water, unfiltered, recoverable, µg/L (34283)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)	Bromo-benzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, µg/L (50002)	Chloro-benzene, water, unfiltered, recoverable, µg/L (34301)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)
12-08-2010	1030	< .30	< .14	< 2.6	< .022	< .06	< .034	< .12	< .026	< .06
07-13-2011	0915	< .30	< .14	E 1.1	< .022	< .06	< .034	< .12	< .026	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 22 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	Chrysene, water, unfiltered, recoverable, µg/L (34320)	cis-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibenzo-[a,h]-anthracene, water, unfiltered, recoverable, µg/L (34556)	Dibromo-chloro-methane, water, unfiltered, recoverable, µg/L (32105)	Dibromo-methane, water, unfiltered, recoverable, µg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, µg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)
12-08-2010	1030	< .1	< .32	< .022	< .42	< .12	< .050	< .10	< .04	< .1
07-13-2011	0915	< .1	< .32	< .022	< .42	< .12	< .050	< .10	< .04	< .1

403530073340301 Local number N 2597. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 23 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Dimethyl phthalate, water, unfiltered, recoverable, µg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recoverable, µg/L (39110)	Di-n-octyl phthalate, water, unfiltered, recoverable, µg/L (34596)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethylbenzene, water, unfiltered, recoverable, µg/L (34371)	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)
12-08-2010	1030	< .62	< .06	< .36	< 2.00	< .6	< .20	< 1.6	< .036	< .30
07-13-2011	0915	.42	< .06	.06	.23	< .6	< .20	< 1.6	< .036	< .30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 24 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Hexachlorobutadiene, water, unfiltered, recoverable, µg/L (39702)	Hexachlorocyclopentadiene, water, unfiltered, recoverable, µg/L (34386)	Hexachloroethane, water, unfiltered, recoverable, µg/L (34396)	Indeno[1,2,3-cd]pyrene, water, unfiltered, recoverable, µg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Iso-phorone, water, unfiltered, recoverable, µg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acetate, water, unfiltered, recoverable, µg/L (77032)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)
12-08-2010	1030	< .08	< .50	< .22	< .38	< .32	< .26	< .042	< .46	< .8
07-13-2011	0915	< .08	< .50	< .22	< .38	< .32	< .26	< .042	< .46	< .8

403530073340301 Local number N 2597. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 25 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable,	Methyl methacrylate, water, unfiltered, recoverable,	Methyl tert-butyl ether, water, unfiltered, recoverable,	Methyl tert-pentyl ether, water, unfiltered, recoverable,	Methylene blue active substances, water, unfiltered, recoverable,	m-Xylene plus p-xylene, water, unfiltered, recoverable,	Naphthalene, water, unfiltered, recoverable,	n-Butyl methyl ketone, water, unfiltered, recoverable,	n-Butylbenzene, water, unfiltered, recoverable,
		µg/L (81593)	µg/L (81597)	µg/L (78032)	µg/L (50005)	mg/L (38260)	µg/L (85795)	µg/L (34696)	µg/L (77103)	µg/L (77342)
12-08-2010	1030	< .26	< .22	< .10	< .06	< .050	< .08	< .18	< .4	< .08
07-13-2011	0915	< .26	< .22	< .10	< .06	< .050	< .08	< .18	< .4	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 26 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nitrobenzene, water, unfiltered, recoverable,	N-Nitrosodimethylamine, water, unfiltered, recoverable,	N-Nitrosodipropylamine, water, unfiltered, recoverable,	N-Nitrosodiphenylamine, water, unfiltered, recoverable,	n-Propylbenzene, water, unfiltered, recoverable,	o-Xylene, water, unfiltered, recoverable,	Phenanthrene, water, unfiltered, recoverable,	Phenol, water, unfiltered, recoverable,	Pyrene, water, unfiltered, recoverable,
		µg/L (34447)	µg/L (34438)	µg/L (34428)	µg/L (34433)	µg/L (77224)	µg/L (77135)	µg/L (34461)	µg/L (34694)	µg/L (34469)
12-08-2010	1030	< 0.26	< .24	< .4	< .28	< .036	< .032	< .32	< .28	< .36
07-13-2011	0915	< 0.26	< .24	< .4	< .28	< .036	< .032	< .32	< .28	< .36

403530073340301 Local number N 2597. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 27 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	sec-Butyl-benzene, water, unfiltered, recoverable, µg/L (77350)	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Amyl alcohol, water, unfiltered, recoverable, µg/L (77073)	tert-Butyl alcohol, water, unfiltered, recoverable, µg/L (77035)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butyl-benzene, water, unfiltered, recoverable, µg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, µg/L (32102)	Tetra-hydro-furan, water, unfiltered, recoverable, µg/L (81607)
12-08-2010	1030	< .034	< .042	< .6	< .80	< .032	< .060	< .026	< .06	< 1.4
07-13-2011	0915	< .034	< .042	< .6	< .80	< .032	< .060	< .026	< .06	< 1.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 28 of 28

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
12-08-2010	1030	< .02	< .018	< .4	< .10	< .022	< .06	< .03	< .06
07-13-2011	0915	< .02	< .018	< .4	< .10	< .022	< .06	< .03	< .06

Water-Data Report 2011

403533073353202 Local number N 6850. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°35'34.1", long 73°35'33.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 miles west of Loop Parkway, in northernmost recorder shelter, Lido Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 913 ft. Upper casing diameter 6 in; top of first opening 898 ft, bottom of last opening 909 ft.

DATUM.--Land-surface datum is 6.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.58 ft above land-surface datum.

PERIOD OF RECORD.--January 1960, April 1961, January 1968 to June 2000, March 2005, and February 2006 to current year.

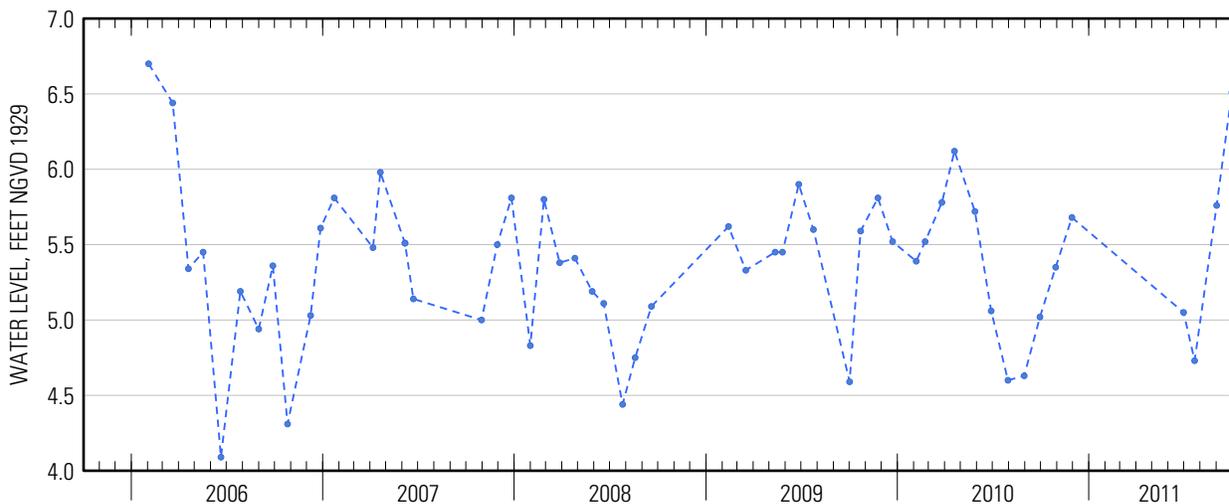
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft above sea level, April 13, 1961; lowest measured, 2.69 ft above sea level, October 27, 1980.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 29	5.35	Jul 21	4.73
Nov 29	5.68	Sep 1	5.76
Jun 30	5.05	30	6.51





Water-Data Report 2011

403621073441801 Local number N 3862. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°36'21", long 73°44'18" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 311 ft. Upper casing diameter 6 in; top of first opening 295 ft, bottom of last opening 306 ft.

DATUM.--Land-surface datum is 8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.28 ft above land-surface datum.

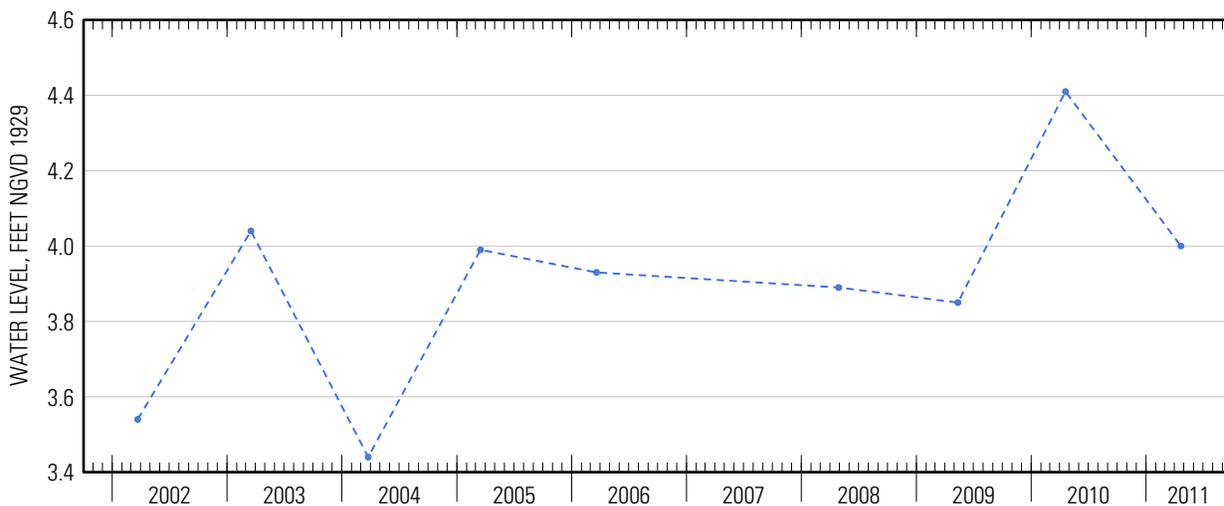
PERIOD OF RECORD.--February 1968 to September 1981, March 1982 to December 1985, September 1986, January 1987, April 1987, March 1988, March 1989, April 1990, March 1992 to March 2006, and April 2008 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.72 ft above sea level, June 23, 1978; lowest measured, 1.67 ft above sea level, October 4, 1972.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 21	4.00



Water-Data Report 2011

403642073433201 Local number N 6510. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°36'41.3", long 73°43'30.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 463 ft. Upper casing diameter 4 in; top of first opening 455 ft, bottom of last opening 461 ft.

DATUM.--Land-surface datum is 8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of steel flange, 2.70 ft above land-surface datum.

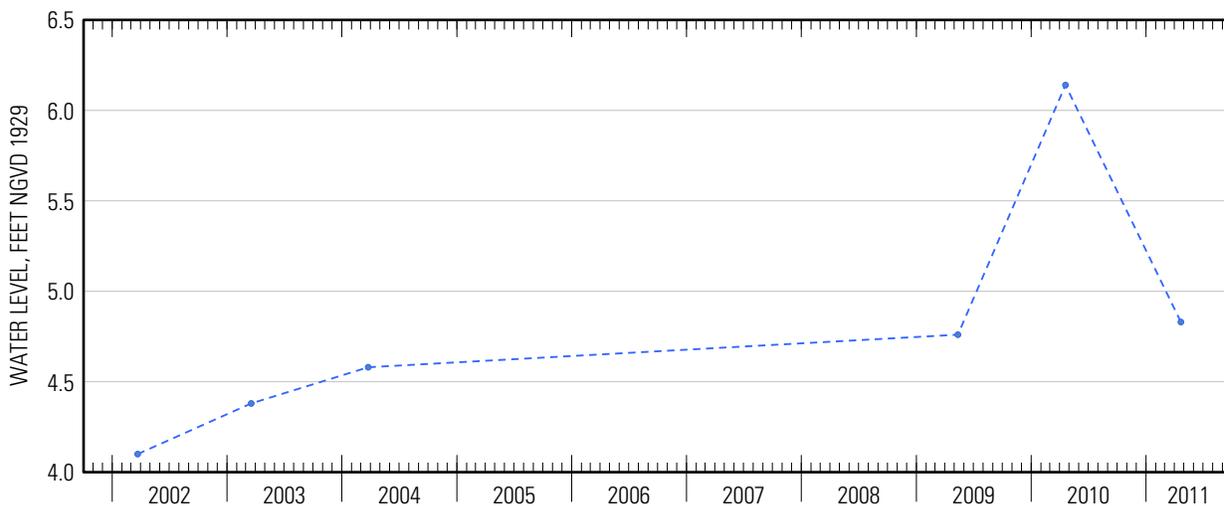
PERIOD OF RECORD.--July 1958 to April 1964, April 1966 to May 1967, April 1969 to March 1973, April 1979 to March 2004, and May 2009 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.14 ft above sea level, April 19, 2010; lowest measured 5.37 ft below sea level, June 4, 1962.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 21	4.83



Water-Data Report 2011

403748073422603 Local number N 1115.3

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°37'48.3", long 73°42'24.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 1.25 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft above land-surface datum.

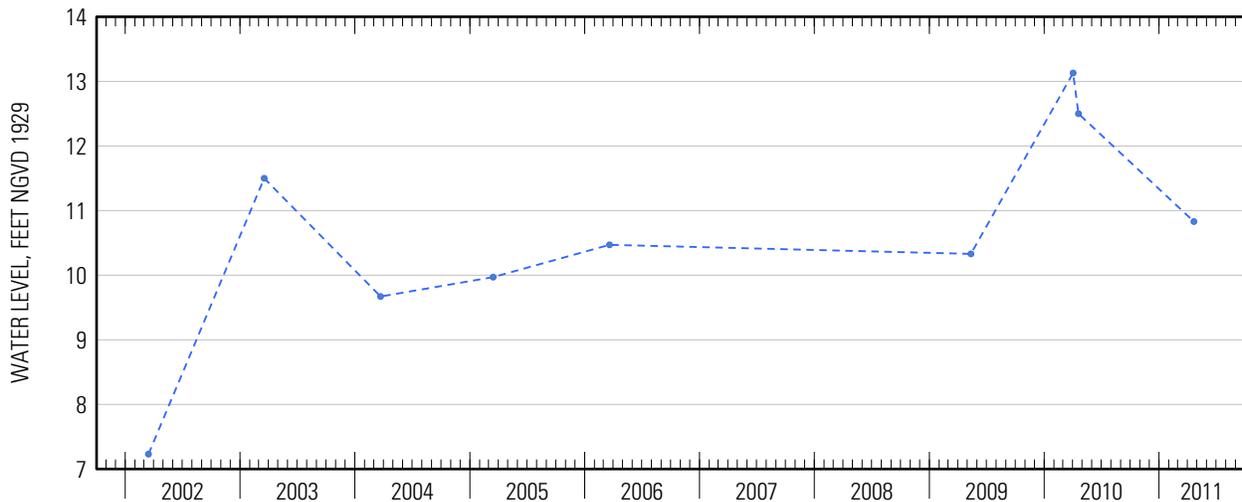
PERIOD OF RECORD.--March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.13 ft above sea level, April 2, 2010; lowest measured, 7.23 ft above sea level, March 15, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 21	10.83





Water-Data Report 2011

403751073440201 Local number N 3861. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°37'51.6", long 73°44'00.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, 28 ft east of Arlington Place, north of Peninsula Boulevard, Cedarhurst.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 530 ft. Upper casing diameter 6 in; top of first opening 519 ft, bottom of last opening 530 ft.

DATUM.--Land-surface datum is 7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft above land-surface datum.

PERIOD OF RECORD.--April 1952 to August 1955 and January 1968 to current year. Unpublished records for April 1952 to September 1975 are available in files of the U.S. Geological Survey.

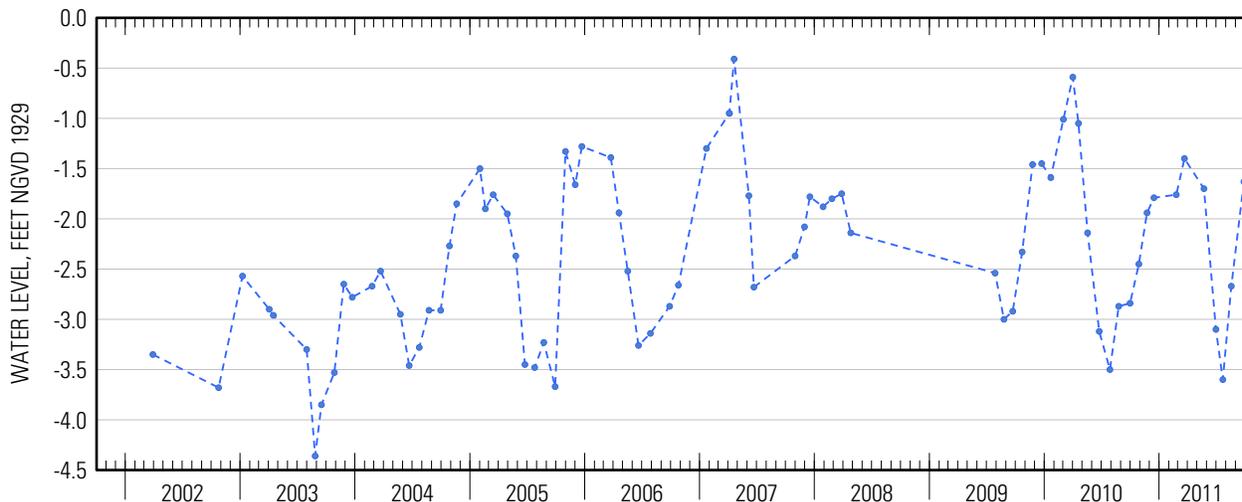
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft below sea level, April 20, 2007; lowest measured, 7.57 ft below sea level, August 7, 1955.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	-2.45	May 23	-1.70
Nov 23	-1.94	Jun 30	-3.10
Dec 15	-1.79	Jul 22	-3.60
Feb 24	-1.76	Aug 18	-2.67
Mar 22	-1.40	Sep 27	-1.63





Water-Data Report 2011

403805073395301 Local number N 2790.2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°38'05", long 73°39'53" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 571 ft. Upper casing diameter 6 in; top of first opening 538 ft, bottom of last opening 560 ft.

DATUM.--Land-surface datum is 6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 3.82 ft above land-surface datum.

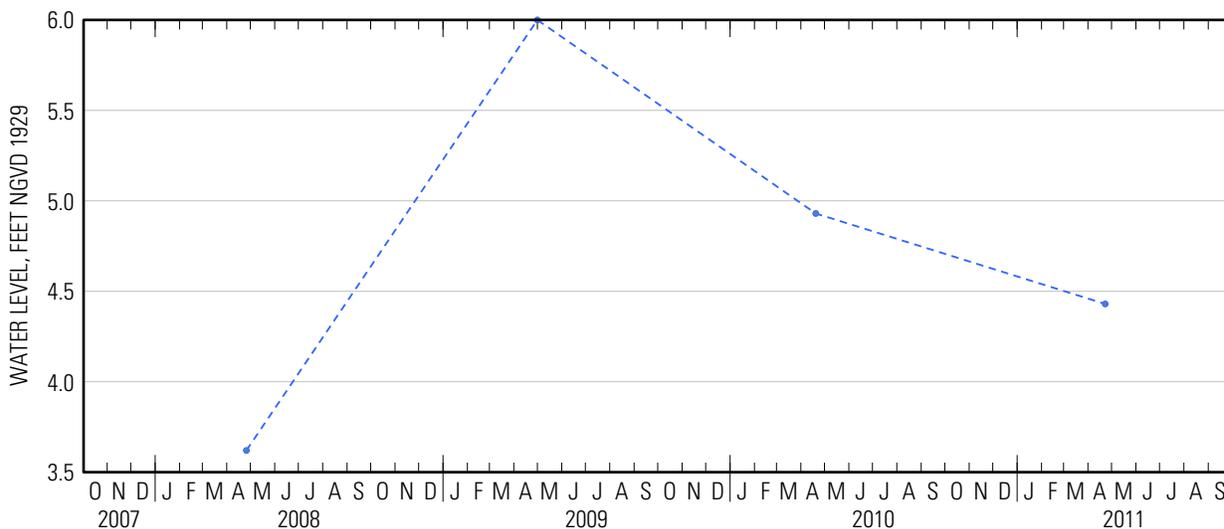
PERIOD OF RECORD.--April 1958, January 1974 to January 1989, February 1990 to March 1997, March 1998 to April 2000, and April 2008 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft above sea level, April 6, 1958; lowest measured, 0.36 ft below sea level, July 20, 1977.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	4.43



Water-Data Report 2011

403911073432001 Local number N 4213. 1

Northern Atlantic Coastal Plain aquifer system
Jameco Aquifer

Nassau County, NY

LOCATION.--Lat 40°39'13.0", long 73°43'18.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Brook Road Park, 34 ft south of Brook Road, 32 ft east of stream, westernmost well, Green Acres.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 134 ft. Upper casing diameter 6 in; top of first opening 130 ft, bottom of last opening 134 ft.

DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.42 ft above land-surface datum.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records for February 1968 to September 1987 are available in files of the U.S. Geological Survey.

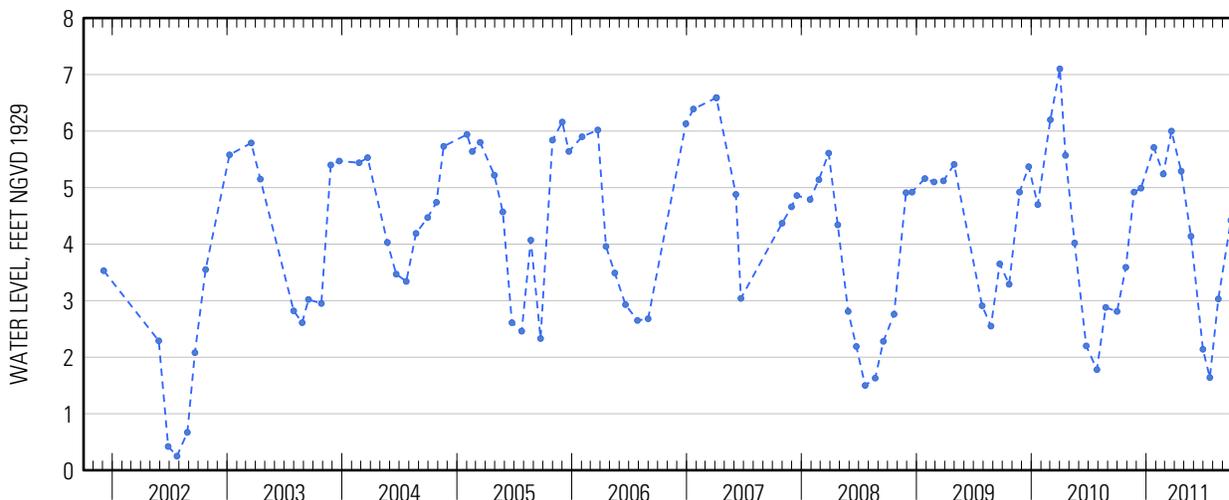
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft above sea level, April 1, 2010; lowest measured, 2.40 ft below sea level, March 22, 1972.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	3.59	Apr 22	5.29
Nov 23	4.92	May 23	4.14
Dec 15	4.99	Jun 30	2.14
Jan 25	5.71	Jul 22	1.64
Feb 24	5.24	Aug 18	3.03
Mar 22	6.00	Sep 27	4.42



403911073432701 Local number N 3867. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°39'13.0", long 73°43'18.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Brook Road Park, 35 ft south of Brook Road, 41 ft east of stream, easternmost well, Green Acres.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 517 ft. Upper casing diameter 6 in; top of first opening 505 ft, bottom of last opening 517 ft.

DATUM.--Land-surface datum is 7.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.54 ft above land-surface datum.

PERIOD OF RECORD.--January 1953 and January 1968 to current year. Unpublished records from January 1953 to September 1975 are available in files of the Geological Survey.

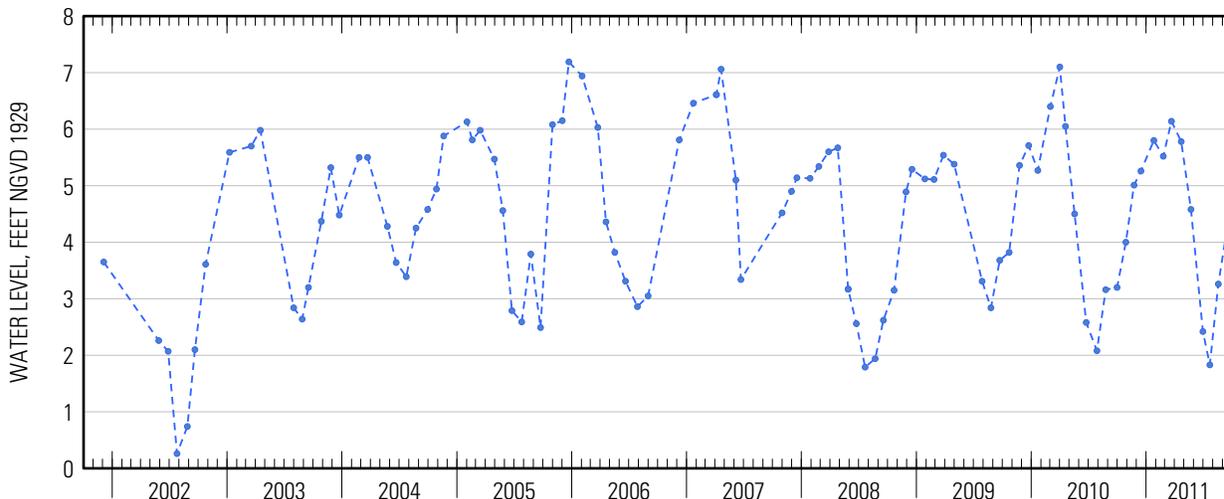
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft above sea level, January 28, 1953; lowest measured, 2.61 ft below sea level, July 19, 1977.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	4.00	Apr 22	5.78
Nov 23	5.01	May 23	4.58
Dec 15	5.26	Jun 30	2.42
Jan 25	5.80	Jul 22	1.83
Feb 24	5.52	Aug 18	3.26
Mar 22	6.14	Sep 27	4.68





Water-Data Report 2011

403922073353501 Local number N 67.1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°39'22.4", long 73°35'33.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Freeport Power Station, in battery room, 105 ft north of Sunrise Highway (State Route 27), west of Long Beach Avenue, Freeport.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,052 ft. Upper casing diameter 12 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft below land-surface datum.

PERIOD OF RECORD.--December 1946 to February 1950, February 1952 to October 1955, May 1957 to November 1957, January 1959 to January 1960, June 1963 to March 2006, and April 2007 to current year.

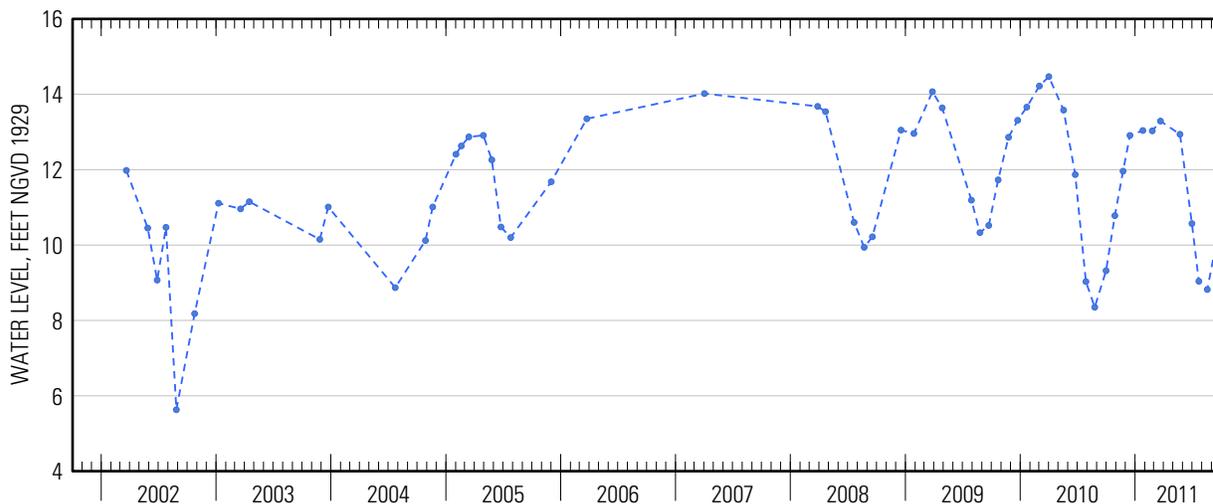
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.95 ft above sea level, May 8, 1957; lowest measured, 3.76 ft below sea level, March 23, 1983.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	10.78	May 23	12.94
Nov 23	11.96	Jun 30	10.57
Dec 15	12.91	Jul 22	9.04
Jan 25	13.04	Aug 18	8.82
Feb 24	13.03	Sep 27	10.57
Mar 22	13.29		



403929073382908 Local number N 53.1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°39'30.5", long 73°38'27.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Rockville Centre Municipal Power Plant, in battery room, Maple Avenue and Morris Avenue, Rockville Centre.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 50 ft. Upper casing diameter 8 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 26.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in steel extender, 5.24 ft below land-surface datum.

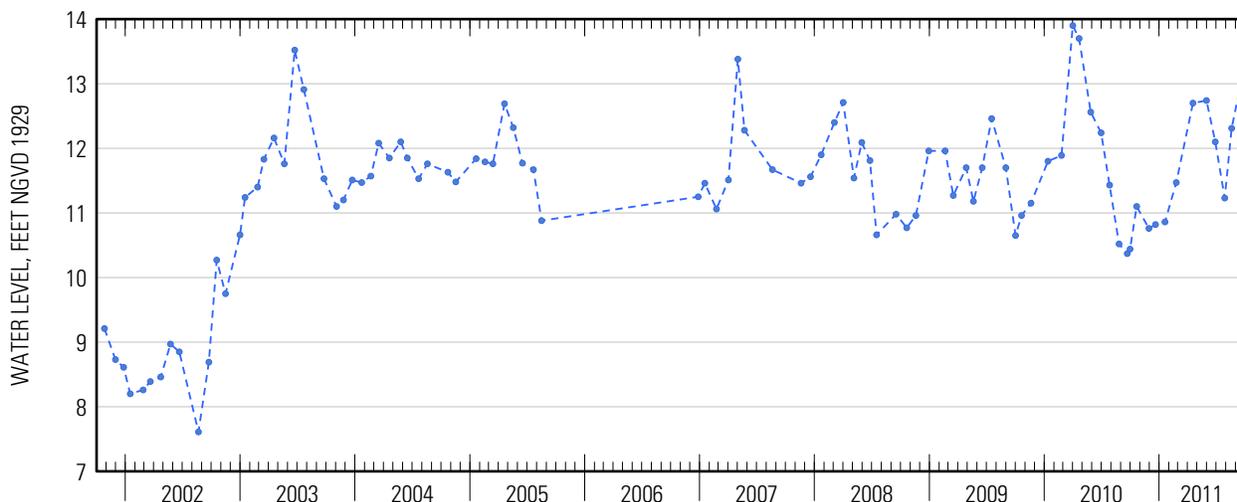
PERIOD OF RECORD.--August 1934 to August 2005 and December 2006 to current year. Unpublished records for August 1934 to September 1975 are available in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft above sea level, April 15, 1939; lowest measured, 7.61 ft above sea level, August 21, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	11.10	May 31	12.74
Nov 29	10.76	Jun 28	12.10
Dec 20	10.82	Jul 28	11.23
Jan 19	10.86	Aug 19	12.31
Feb 24	11.47	Sep 27	13.24
Apr 18	12.70		



Water-Data Report 2011

403959073434301 Local number N 10001. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°39'58.8", long 73°43'37.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 34 ft. Upper casing diameter 2 in; top of first opening 29 ft, bottom of last opening 34 ft.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.36 ft below land-surface datum.

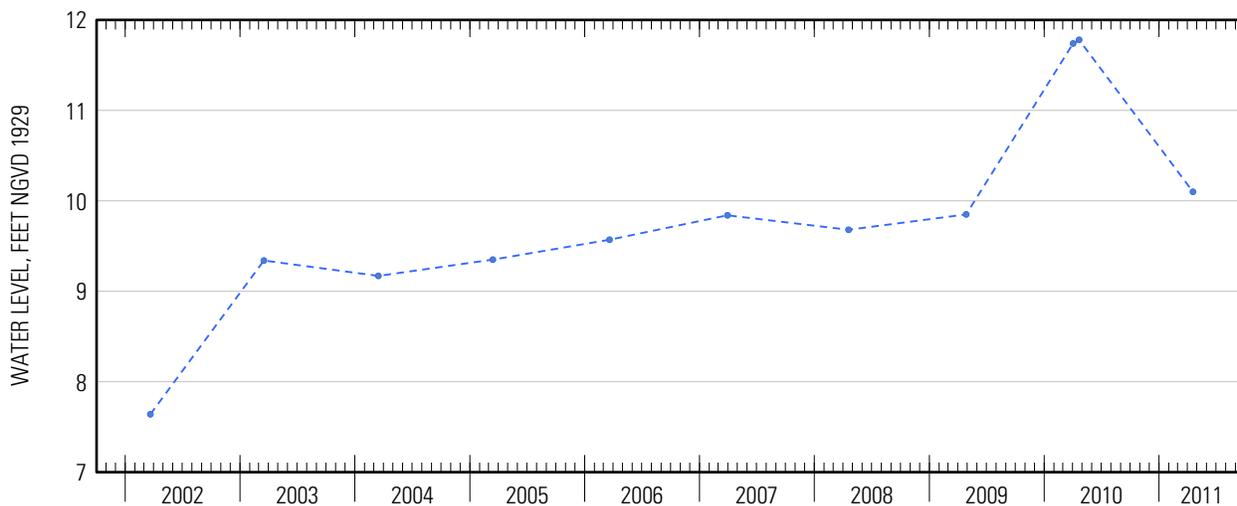
PERIOD OF RECORD.--March 1990, April 1990, and March 1992 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.78 ft above sea level, April 21, 2010; lowest measured, 6.72 ft above sea level, September 22, 1993.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 18	10.10



Water-Data Report 2011

404019073384601 Local number N 13372. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°40'19.7", long 73°38'45.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Hempstead Lake State Park, northwest corner of Lake Shore Drive and Peninsula Boulevard, Lakeview.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 33.6 ft. Upper casing diameter 2 in; top of first opening 23.6 ft, bottom of last opening 33.6 ft.

DATUM.--Land-surface datum is 36.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.25 ft below land-surface datum.

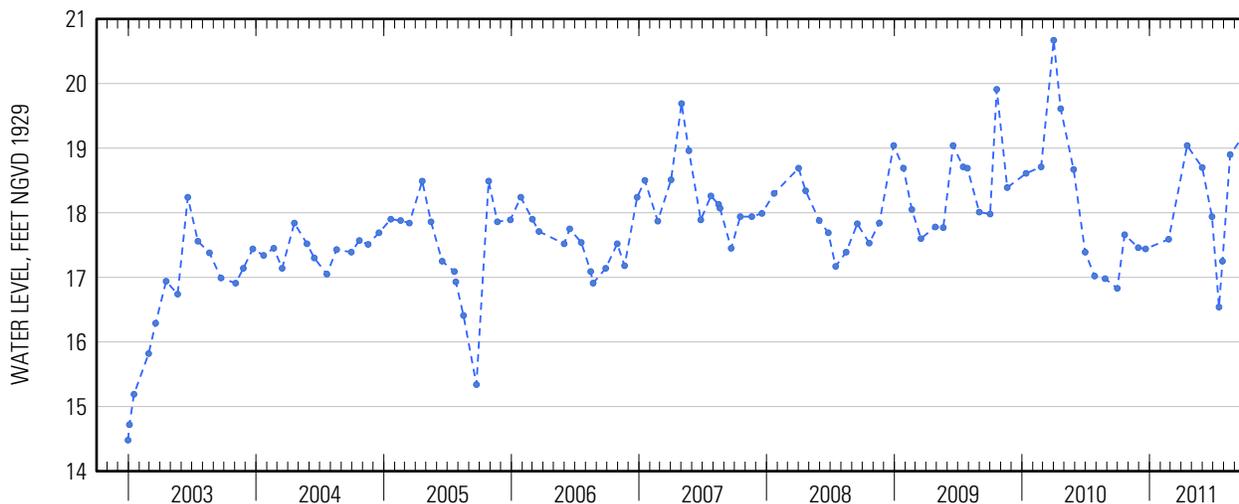
PERIOD OF RECORD.--December 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.67 ft above sea level, April 1, 2010; lowest measured, 14.48 ft above sea level, December 30, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	17.66	Jun 28	17.94
Nov 29	17.46	Jul 18	16.54
Dec 20	17.44	28	17.25
Feb 24	17.59	Aug 19	18.90
Apr 18	19.04	Sep 27	19.20
May 31	18.70		



404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

Date	Sample start time	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)
07-18-2011	0930	19.75	< 1.0	6.3	347	12.3	3.1	188	8.33

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

Date	Sample start time	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)
07-18-2011	0930	2.47	2.14	40.7	28	34	0.062	72.9	< .04

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

Date	Sample start time	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Aluminum, water, filtered, μg/L (01106)
07-18-2011	0930	4.19	16.1	0.114	0.04	< .001	< .008	0.18	< 1.7

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Barium, water, filtered, µg/L (01005)	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)	Cobalt, water, filtered, µg/L (01035)	Copper, water, filtered, µg/L (01040)	Iron, water, filtered, µg/L (01046)	Lead, water, filtered, µg/L (01049)	Lithium, water, filtered, µg/L (01130)
07-18-2011	0930	16.2	< .006	0.021	< .06	5.35	< .50	4,080	< .015	0.25

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Manganese, water, filtered, µg/L (01056)	Molybdenum, water, filtered, µg/L (01060)	Nickel, water, filtered, µg/L (01065)	Silver, water, filtered, µg/L (01075)	Strontium, water, filtered, µg/L (01080)	Thallium, water, filtered, µg/L (01057)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Antimony, water, filtered, µg/L (01095)
07-18-2011	0930	650	5.97	0.82	< .005	60.6	0.016	0.11	2.9	0.033

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	1,2,3-Tri-chloro-propane, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloro-propane, unfiltered, recoverable, µg/L (82625)	1,2-Dibromo-ethane, unfiltered, recoverable, µg/L (77651)	1,2-Dichloro-ethane, unfiltered, recoverable, µg/L (32103)	1,2-Dichloro-propane, unfiltered, recoverable, µg/L (34541)	1,3-Di-chloro-propane, unfiltered, recoverable, µg/L (77173)
07-18-2011	0930	15.8	8	0.04	< .120	< .400	< .028	< .08	< .0260	< .06

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	1,4-Dichloro-benzene, water, unfiltered, recoverable,	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable,	2,4-D methyl ester, water, filtered, recoverable,	2,4-D, water, filtered, recoverable,	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable,	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable,	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable,	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable,	2-Chloro-6-ethyl-amino-4-triazine, water, filtered, recoverable,
		µg/L (34571)	µg/L (49295)	µg/L (50470)	µg/L (39732)	µg/L (38746)	µg/L (82660)	µg/L (61618)	µg/L (04040)	µg/L (04038)
07-18-2011	0930	< .026	< .0360	< .200	< .06	< .02	< .0060	< .010	< .006	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	2-Ethyl-6-methyl-aniline, water, filtered, recoverable,	2-Hydroxy-4-iso-propyl-amino-6-ethyl-amino-s-triazine, water, filtered, recoverable,	3,4-Dichloro-aniline, water, filtered, recoverable,	3,5-Di-chloro-aniline, water, filtered, recoverable,	3-Chloro-propene, water, unfiltered, recoverable,	3-Hydroxy-carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable,	4-Chloro-2-methyl-phenol, water, filtered, recoverable,	Aceto-chlor, water, filtered, recoverable,	Acifluor-fen, water, filtered (0.7 micron glass fiber filter), recoverable,
		µg/L (61620)	µg/L (50355)	µg/L (61625)	µg/L (61627)	µg/L (78109)	µg/L (49308)	µg/L (61633)	µg/L (49260)	µg/L (49315)
07-18-2011	0930	< .010	0.031	< .0042	< .004	< .08	< .040	< .0046	< .010	< .040

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49312)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)
07-18-2011	0930	< .80	< .008	< .08	< .060	< .12	< .006	< .008	< .042	< .120

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 10 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Bendiocarb, water, filtered, recoverable, µg/L (50299)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Benomyl, water, filtered, recoverable, µg/L (50300)	Ben-sulfuron-methyl, water, filtered, recoverable, µg/L (61693)	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)	Bromacil, water, filtered, recoverable, µg/L (04029)	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)	Bromoxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49311)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)
07-18-2011	0930	< .04	< .014	< .060	< .06	< .06	< .06	< .2	< .12	< .04

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Carbon disulfide, water, unfiltered, µg/L (77041)	Chloramben methyl ester, water, filtered, recoverable, µg/L (61188)	Chlorimuron-ethyl, water, filtered, recoverable, µg/L (50306)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)
07-18-2011	0930	< .060	< .040	< .060	< .1	< .10	< .080	< .06	< .0036

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 12 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	cis-Propiconazole, water, filtered, recoverable, µg/L (79846)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49305)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cycloate, water, filtered, recoverable, µg/L (04031)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49304)
07-18-2011	0930	< .10	< .010	< .008	< .06	< .022	< .04	< .016	< .020	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 13 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dicamba, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38442)	Dichloroprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49302)	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)
07-18-2011	0930	< .0076	< .029	< .012	< .0060	< .04	< .04	< .04	< .08	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 14 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49301)	Di-phenamid, water, filtered, recoverable, µg/L (04033)	Disulfoton sulfone, water, filtered, recoverable, µg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677)	Diuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49300)	Endosulfan sulfate, water, filtered, recoverable, µg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)
07-18-2011	0930	< .0060	< .04	< .04	< .014	< .040	< .04	< .016	< .0056	< .021

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 15 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Ethion, water, filtered, recoverable, µg/L (82346)	Ethoprop, water, filtered, glass fiber filter), recoverable, µg/L (82672)	Fenami-phos sulfone, water, filtered, recoverable, µg/L (61645)	Fenami-phos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenami-phos, water, filtered, recoverable, µg/L (61591)	Fenuron, water, filtered, glass fiber filter), recoverable, µg/L (49297)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)
07-18-2011	0930	< .008	< .016	< .054	< .08	< .030	< .06	< .012	< .024	< .018

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 16 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Flumet-sulam, water, filtered, recoverable, µg/L (61694)	Fluome-turon, water, filtered, glass fiber filter), recoverable, µg/L (38811)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexa-zinone, water, filtered, recoverable, µg/L (04025)	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imaze-thapyr, water, filtered, recoverable, µg/L (50407)	Imi-dacloprid, water, filtered, recoverable, µg/L (61695)	Iodo-methane, water, unfiltered, recoverable, µg/L (77424)	Iprodione, water, filtered, recoverable, µg/L (61593)
07-18-2011	0930	< .06	< .04	< .0048	0.014	< .06	< .06	< .060	< .26	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 17 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Isofen-phos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalo-thrin, water, filtered, recoverable, µg/L (61595)	Linuron, water, filtered, glass fiber filter), recoverable, µg/L (38478)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	MCPA, water, filtered, glass fiber filter), recoverable, µg/L (38482)	MCPB, water, filtered, glass fiber filter), recoverable, µg/L (38487)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Metalaxyl, water, filtered, recoverable, µg/L (61596)
07-18-2011	0930	< .006	< .010	< .04	< .022	< .016	< .04	< .20	< .04	< .014

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 18 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Methidathion, water, filtered, recoverable, µg/L (61598)	Methiocarb, water, filtered, recoverable, µg/L (38501)	Methomyl, water, filtered, recoverable, µg/L (49296)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered, recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Metsulfuron-methyl, water, filtered, recoverable, µg/L (61697)	Molinate, water, filtered, recoverable, µg/L (82671)
07-18-2011	0930	< .012	< .040	< .120	< .014	< .008	< .020	< .012	< .14	< .0040

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 19 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Myclobutanol, water, filtered, recoverable, µg/L (61599)	N-(4-Chlorophenyl)-N'-methyl-urea, water, filtered, recoverable, µg/L (61692)	Neburon, water, filtered, recoverable, µg/L (49294)	Nicosulfuron, water, filtered, recoverable, µg/L (50364)	Norflurazon, water, filtered, recoverable, µg/L (49293)	Oryzalin, water, filtered, recoverable, µg/L (49292)	Oxamyl, water, filtered, recoverable, µg/L (38866)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered, recoverable, µg/L (82683)
07-18-2011	0930	< .010	< .06	< .02	< .10	< .04	< .04	< .12	< .006	< .012

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 20 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered, recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Picloram, water, filtered, recoverable, µg/L (49291)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered, recoverable, µg/L (82679)	Propargite, water, filtered, recoverable, µg/L (82685)
07-18-2011	0930	< .027	< .020	< .0511	< .140	< .12	0.022	< .006	< .010	< .020

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 21 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Propham, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49236)	Propiconazole, water, filtered, recoverable, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38538)	Propoxamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Siduron, water, filtered, recoverable, µg/L (38548)	Simazine, water, filtered, recoverable, µg/L (04035)	Sulfo-meturon-methyl, water, filtered, recoverable, µg/L (50337)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)
07-18-2011	0930	< .040	< .040	< .060	< .0036	< .04	< .006	< .060	< .028	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 22 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Terbacil, water, filtered, recoverable, µg/L (04032)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbutylazine, water, filtered, recoverable, µg/L (04022)	Thioben-carb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34699)	trans-Propiconazole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49235)
07-18-2011	0930	< .040	< .045	< .018	< .006	< .016	< .14	< .010	< .018	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 23 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	2,4-D plus 2,4-D methyl ester, sum on a molar basis, micrograms per liter as 2,4-D (66496)	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34501)
07-18-2011	0930	< .018	< .06	< .040	< .030	< .14	< .034	< .028	< .044	< .022

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 24 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	1,1-Di-chloro-propene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)
07-18-2011	0930	< .040	< .10	< .080	< .06	< .060	< .08	< .032	< .028	< .032

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 25 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	4-Chloro-toluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromo-benzene, water, unfiltered, recoverable, µg/L (81555)
07-18-2011	0930	< .024	< .06	< .028	< .032	< .042	< .06	< 3.4	< .026	< .022

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 26 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Bromo-chloro-methane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, µg/L (50002)	Caffeine, water, filtered, recoverable, µg/L (50305)	Chloro-benzene, water, unfiltered, recoverable, µg/L (34301)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibromo-chloro-methane, water, unfiltered, recoverable, µg/L (32105)
07-18-2011	0930	< .06	< .034	< .12	< .080	< .026	< .06	< .1	< .022	< .12

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 27 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Dibromo-methane, water, unfiltered, recoverable, µg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, µg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diiso-propyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethyl-benzene, water, unfiltered, recoverable, µg/L (34371)	Hexa-chloro-butadiene, water, unfiltered, recoverable, µg/L (39702)
07-18-2011	0930	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6	< .036	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 28 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Hexa-chloro-ethane, water, unfiltered, recoverable, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Isopropyl-benzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)	Methyl acrylonitrile, water, unfiltered, recoverable, µg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, µg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, µg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recoverable, µg/L (85795)
07-18-2011	0930	< .22	< .32	< .042	< .8	< .26	< .22	< .10	< .06	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 29 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butyl-benzene, water, unfiltered, recoverable, µg/L (77342)	n-Propyl-benzene, water, unfiltered, recoverable, µg/L (77224)	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	sec-Butyl-benzene, water, unfiltered, recoverable, µg/L (77350)	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butyl-benzene, water, unfiltered, recoverable, µg/L (77353)
07-18-2011	0930	< .18	< .4	< .08	< .036	< .032	< .034	< .042	< .032	< .060

404019073384601 Local number N 13372. 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 30 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, µg/L (32102)	Tetra-hydro-furan, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)
07-18-2011	0930	< .026	< .06	< 1.4	< .02	< .018	< .4	< .10	< .022	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 31 of 31

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)	Uranium (natural), water, filtered, µg/L (22703)
07-18-2011	0930	< .03	< .06	0.012

Water-Data Report 2011

404030073293703 Local number N 180.2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°40'30", long 73°29'37" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at Long Island Railroad track embankment, 200 ft north of Sunrise Highway (State Route 27), west of Seaford-Oyster Bay Expressway (State Route 135), Seaford.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 723 ft. Upper casing diameter 4 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 13.69 ft above land-surface datum.

PERIOD OF RECORD.--June 1952 and April 1957 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, 21.08 ft above sea level, June 6, 1952; lowest recorded, 8.47 ft above sea level, September 3, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 17.89 ft above sea level, March 11; lowest recorded, 12.84 ft above sea level, October 11.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	14.85	Jan 25	16.92
Nov 23	16.01	Feb 16	16.44
Dec 15	16.93	Mar 22	17.75

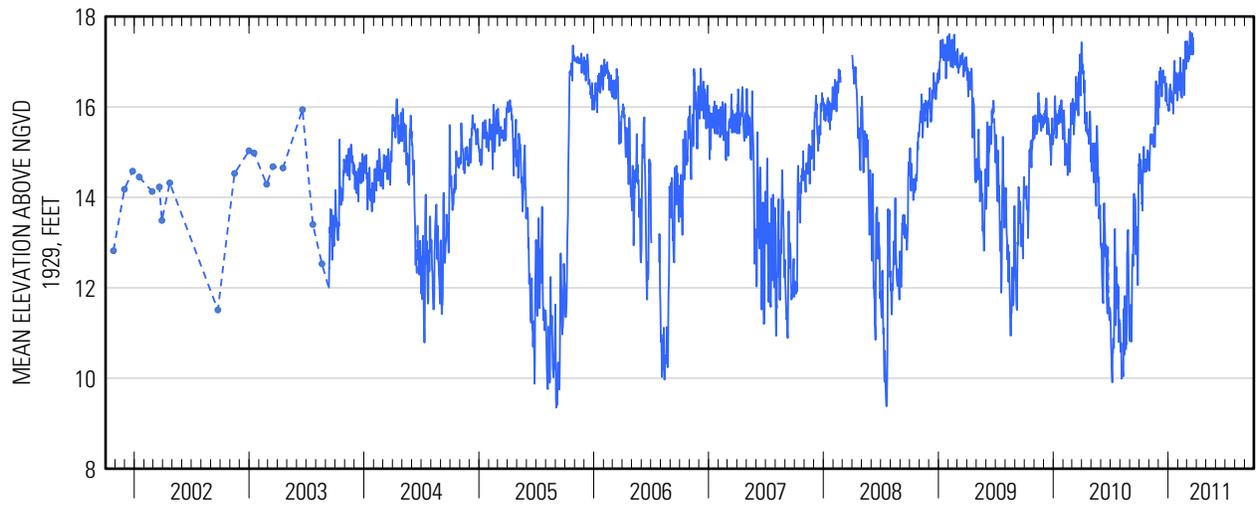
404030073293703 Local number N 180. 2—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14.96	14.59	16.36	15.98	16.71	17.20	---	---	---	---	---	---
2	14.90	14.60	15.98	15.91	16.70	17.45	---	---	---	---	---	---
3	14.36	14.87	16.44	15.98	16.70	17.34	---	---	---	---	---	---
4	14.31	15.14	16.78	15.93	16.76	17.34	---	---	---	---	---	---
5	14.81	15.31	16.51	16.40	16.57	17.30	---	---	---	---	---	---
6	14.83	15.36	16.74	16.42	16.37	17.00	---	---	---	---	---	---
7	14.59	15.40	16.87	16.50	16.66	17.14	---	---	---	---	---	---
8	14.21	15.18	16.76	16.39	17.09	17.06	---	---	---	---	---	---
9	13.85	15.38	16.40	16.12	16.51	17.11	---	---	---	---	---	---
10	13.89	15.22	16.51	16.23	16.25	17.47	---	---	---	---	---	---
11	13.71	15.28	16.23	16.35	16.26	17.67	---	---	---	---	---	---
12	14.43	15.29	16.27	16.21	16.25	17.42	---	---	---	---	---	---
13	14.60	15.37	16.71	16.09	16.20	17.42	---	---	---	---	---	---
14	14.67	15.38	16.73	16.18	16.71	17.24	---	---	---	---	---	---
15	15.12	15.12	16.81	16.19	16.75	17.16	---	---	---	---	---	---
16	14.81	15.24	16.69	16.06	16.67	17.39	---	---	---	---	---	---
17	14.58	15.55	16.67	15.85	16.98	17.63	---	---	---	---	---	---
18	14.56	15.29	16.54	16.35	17.04	17.61	---	---	---	---	---	---
19	14.58	15.11	16.56	16.76	16.55	17.34	---	---	---	---	---	---
20	14.78	15.28	16.55	16.84	16.26	17.16	---	---	---	---	---	---
21	14.84	15.74	16.67	17.02	16.29	17.54	---	---	---	---	---	---
22	14.64	16.32	16.46	16.45	16.91	---	---	---	---	---	---	---
23	14.57	16.57	16.43	16.30	16.95	---	---	---	---	---	---	---
24	14.58	16.11	16.13	16.57	17.21	---	---	---	---	---	---	---
25	14.62	16.09	16.18	16.76	17.45	---	---	---	---	---	---	---
26	14.91	16.48	16.52	16.69	16.84	---	---	---	---	---	---	---
27	15.04	16.12	16.41	16.42	16.96	---	---	---	---	---	---	---
28	15.03	15.91	16.06	16.48	17.25	---	---	---	---	---	---	---
29	14.86	15.61	16.04	16.33	---	---	---	---	---	---	---	---
30	14.63	16.05	16.04	16.14	---	---	---	---	---	---	---	---
31	14.80	---	16.05	16.21	---	---	---	---	---	---	---	---
Mean	14.62	15.50	16.45	16.33	16.71	17.33	---	---	---	---	---	---
Max	15.12	16.57	16.87	17.02	17.45	17.67	---	---	---	---	---	---
Min	13.71	14.59	15.98	15.85	16.20	17.00	---	---	---	---	---	---
Med	14.63	15.36	16.51	16.33	16.70	17.34	---	---	---	---	---	---

	Calendar Year 2010	Water Year 2011
Mean	14.32	16.08
Max	17.43	17.67
Min	9.91	13.71
Med	14.95	16.28

404030073293703 Local number N 180.2—Continued





Water-Data Report 2011

404031073382701 Local number N 11166. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°40'31", long 73°38'27" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at west side of North Village Avenue, 54 ft north of Demott Avenue, Rockville Centre.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 645 ft. Upper casing diameter 4 in; top of first opening 620 ft, bottom of last opening 640 ft.

DATUM.--Land-surface datum is 36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.14 ft below land-surface datum.

PERIOD OF RECORD.--March 1993 to March 1998 and September 2003 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, 21.01 ft above sea level, April 3, 2010; lowest recorded, 12.71 ft above sea level, August 3, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 19.32 ft above sea level, April 25; lowest recorded, 12.97 ft above sea level, July 23.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Nov 2	16.58	Jun 30	15.22
29	17.03	Jul 28	14.37
Jan 19	17.14	Aug 19	16.50
Mar 2	18.01	Sep 27	17.52
Jun 1	17.03		

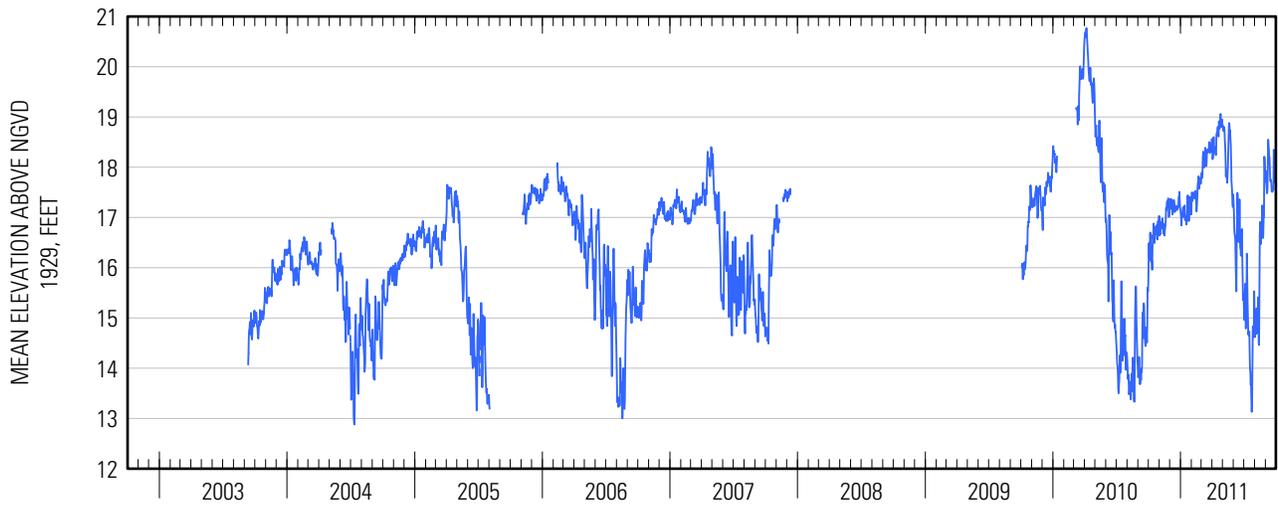
404031073382701 Local number N 11166. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.16	16.64	17.36	17.06	17.32	17.78	18.42	18.84	17.30	15.09	14.62	17.90
2	16.49	16.69	17.23	17.00	17.50	17.89	18.16	18.81	17.11	14.96	14.80	17.70
3	16.20	16.66	17.17	16.84	17.33	17.79	18.20	18.72	16.77	15.43	14.68	17.67
4	16.15	16.74	17.37	17.07	17.38	17.87	18.33	18.74	16.66	15.68	15.18	17.55
5	16.69	16.91	17.23	17.01	17.49	18.19	18.60	18.80	16.64	15.16	14.84	17.48
6	16.70	16.86	17.28	17.10	17.43	18.31	18.34	18.74	16.55	14.79	14.69	17.55
7	16.38	16.79	17.20	17.20	17.48	18.26	18.41	18.55	16.11	14.89	15.06	18.03
8	16.12	16.89	17.06	17.20	17.40	17.99	18.31	18.41	15.78	15.59	15.20	18.55
9	16.12	16.98	17.13	17.03	17.38	18.07	18.29	18.21	15.53	16.28	14.96	18.44
10	16.14	16.79	17.10	17.01	17.51	18.14	18.28	17.82	16.52	15.83	15.41	18.35
11	15.96	16.89	17.27	17.13	17.50	18.24	18.24	17.92	16.90	15.36	14.92	18.21
12	16.39	16.68	17.35	17.24	17.53	18.39	18.26	17.84	17.49	15.04	14.50	18.19
13	16.65	16.86	17.30	16.95	17.40	18.26	18.65	17.75	17.35	14.67	14.46	17.93
14	16.57	16.85	17.27	16.95	17.34	18.15	18.68	17.69	16.94	14.72	15.58	17.73
15	16.88	16.64	17.11	17.03	17.12	18.02	18.69	17.89	16.88	14.65	16.64	17.72
16	16.82	16.70	17.19	16.95	17.23	18.11	18.77	18.07	16.51	14.73	16.91	17.75
17	16.54	16.79	17.14	16.86	17.35	18.35	18.80	18.38	16.77	14.34	16.73	17.69
18	16.49	16.83	17.15	16.89	17.61	18.29	18.74	18.67	17.36	13.98	16.47	17.53
19	16.74	16.96	17.17	17.09	17.69	18.33	18.61	18.88	16.86	13.93	16.61	17.51
20	16.79	17.19	17.23	17.28	17.73	18.31	18.91	18.87	16.39	13.67	16.72	17.51
21	16.81	17.14	17.16	17.44	17.82	18.35	18.88	18.71	16.37	13.72	16.67	17.53
22	16.68	17.27	17.15	17.27	17.57	18.35	18.77	18.73	16.24	13.35	17.24	17.55
23	16.84	17.32	17.18	17.06	17.60	18.50	18.91	18.57	16.43	13.13	16.83	17.56
24	16.84	17.21	17.19	16.93	17.70	18.47	19.00	18.47	16.70	13.36	16.59	18.35
25	16.59	17.32	17.23	17.03	17.78	18.28	19.06	18.12	16.77	14.05	16.64	18.15
26	16.56	17.38	17.41	17.08	17.76	18.39	18.85	17.71	16.19	14.83	17.01	17.74
27	16.79	17.20	17.41	17.41	17.67	18.46	18.80	17.62	15.79	14.80	17.01	---
28	16.93	17.01	17.51	17.26	17.75	18.34	18.86	17.48	15.36	14.62	18.21	17.68
29	16.71	17.09	17.33	17.29	---	18.31	18.95	17.29	15.47	14.76	18.16	17.91
30	16.88	17.34	17.19	17.22	---	18.45	18.84	17.21	15.39	15.53	17.81	17.97
31	17.03	---	17.15	17.06	---	18.56	---	17.46	---	15.07	17.94	---
Mean	16.57	16.95	17.23	17.09	17.51	18.23	18.62	18.22	16.50	14.71	16.10	17.84
Max	17.03	17.38	17.51	17.44	17.82	18.56	19.06	18.88	17.49	16.28	18.21	18.55
Min	15.96	16.64	17.06	16.84	17.12	17.78	18.16	17.21	15.36	13.13	14.46	17.48
Med	16.65	16.89	17.20	17.06	17.50	18.29	18.69	18.38	16.60	14.79	16.59	17.73

	Calendar Year 2010	Water Year 2011
Mean	16.73	17.12
Max	20.77	19.06
Min	13.33	13.13
Med	16.85	17.23

404031073382701 Local number N 11166. 1—Continued





Water-Data Report 2011

404037073335303 Local number N 1184.3

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°40'36", long 73°33'51" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 31 ft. Upper casing diameter 1.25 in; top of first opening 26 ft, bottom of last opening 31 ft.

DATUM.--Land-surface datum is 32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

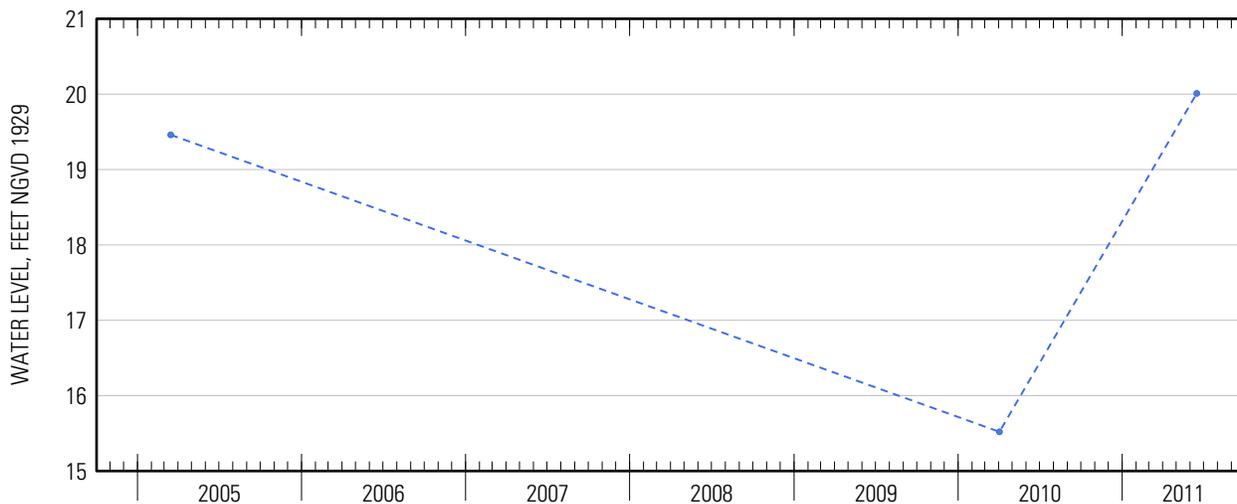
PERIOD OF RECORD.--Septemebr 1969 to April 1984, May 1987 to March 1998, March 2005, and April 2010 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.45 ft above sea level, March 20, 1979; lowest measured, 15.52 ft above sea level, April 2, 2010.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Jun 15	20.01





Water-Data Report 2011

404040073420102 Local number N 1110. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°40'40.1", long 73°41'59.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Valley Stream State Park, southeast corner of North Fletcher Avenue and park entrance, 128 ft south of Southern State Parkway, Valley Stream.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 45 ft. Upper casing diameter 2 in; top of first opening 35 ft, bottom of last opening 40 ft.

DATUM.--Land-surface datum is 31 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.82 ft below land-surface datum.

PERIOD OF RECORD.--January 2003 to current year.

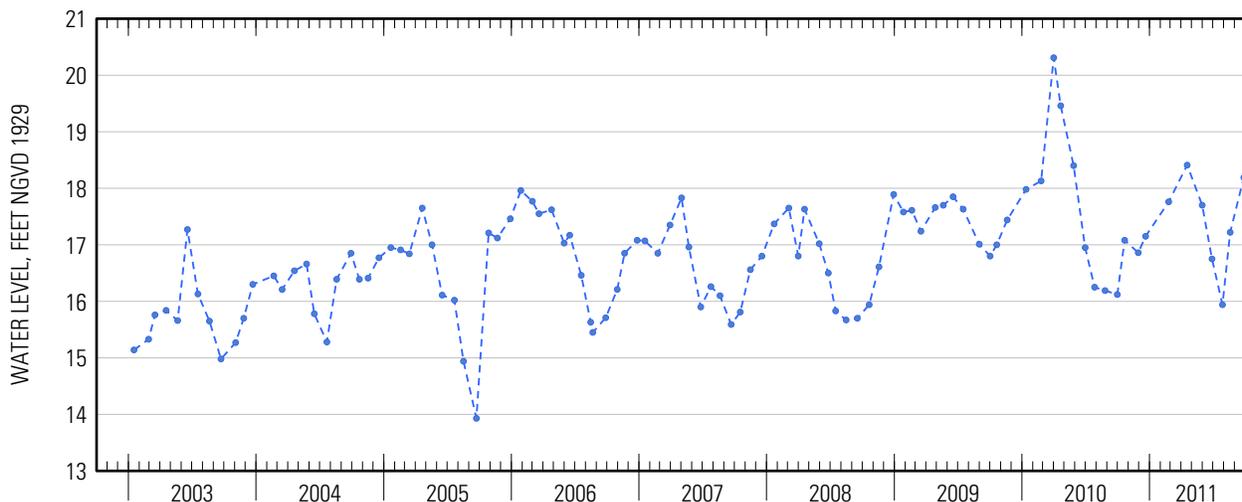
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1110.1 in December 2002 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.31 ft above sea level, April 1, 2010; lowest measured, 13.93 ft above sea level, September 22, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	17.08	May 31	17.70
Nov 29	16.86	Jun 28	16.75
Dec 20	17.15	Jul 28	15.94
Feb 24	17.76	Aug 19	17.22
Apr 18	18.41	Sep 27	18.19



404043073413108 Local number N 7.1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°40'43.5", long 73°41'29.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Valley Stream State Park, 150 ft west of Corona Avenue, 130 ft north of Remsen Street, Valley Stream.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 911 ft. Upper casing diameter 6 in; top of first opening 851 ft, bottom of last opening 911 ft.

DATUM.--Land-surface datum is 20.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in steel plug, 2.06 ft above land-surface datum.

PERIOD OF RECORD.--March 1941 to September 1982, January 1985, and August 1987 to current year.

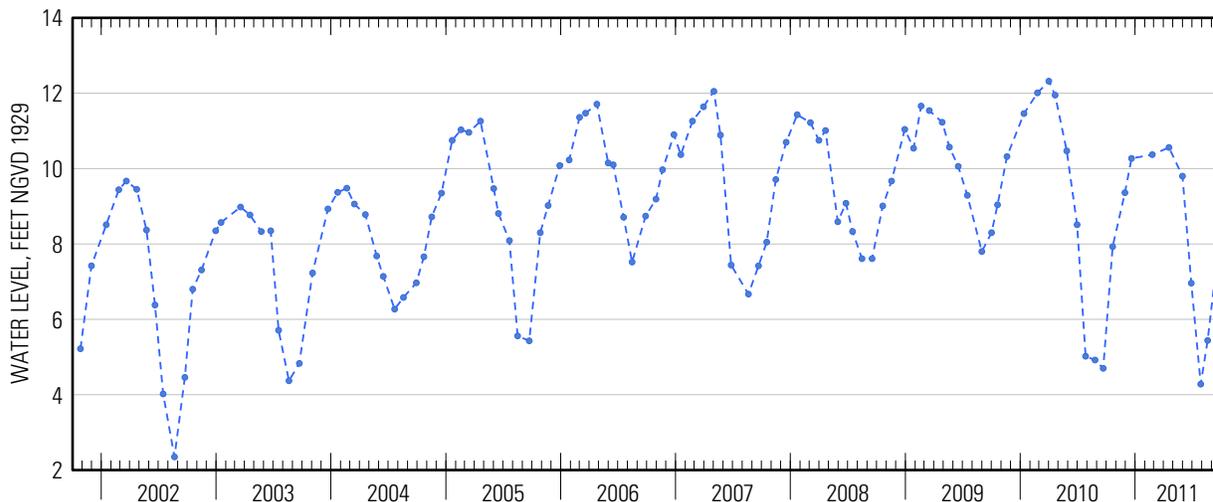
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.75 ft above sea level, March 9, 1941; lowest measured, 6.84 ft below sea level, August 25, 1970.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	7.93	May 31	9.80
Nov 29	9.36	Jun 28	6.96
Dec 20	10.27	Jul 28	4.28
Feb 24	10.37	Aug 19	5.44
Apr 18	10.56	Sep 27	8.24



404048073412602 Local number N 9.1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°40'48.5", long 73°41'24.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Valley Stream State Park, 30 ft west of Corona Avenue, 650 ft north of Remsen Street, Valley Stream.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 138 ft. Upper casing diameter 4 in; top of first opening 98 ft, bottom of last opening 138 ft.

DATUM.--Land-surface datum is 22.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.08 ft above land-surface datum.

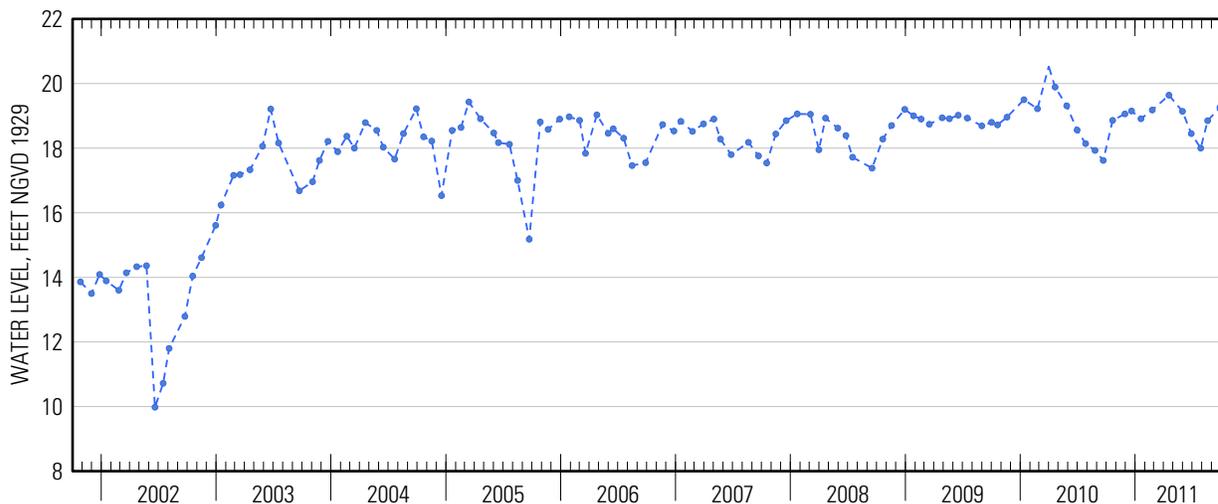
PERIOD OF RECORD.--July 1936 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft above sea level, September 23, 1938; lowest measured, 5.95 ft above sea level, March 22, 1983.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	18.86	May 31	19.14
Nov 29	19.06	Jun 28	18.45
Dec 20	19.15	Jul 28	18.00
Jan 19	18.91	Aug 19	18.85
Feb 24	19.18	Sep 27	19.26
Apr 18	19.64		



Water-Data Report 2011

404050073384001 Local number N 13373. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°40'49.8", long 73°38'39.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Hempstead Lake State Park, east side of Lake Shore Drive, 71 ft north of entrance to parking field 1, Lakeview.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 44.75 ft. Upper casing diameter 2 in; top of first opening 34.75 ft, bottom of last opening 44.75 ft.

DATUM.--Land-surface datum is 45.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.36 ft below land-surface datum.

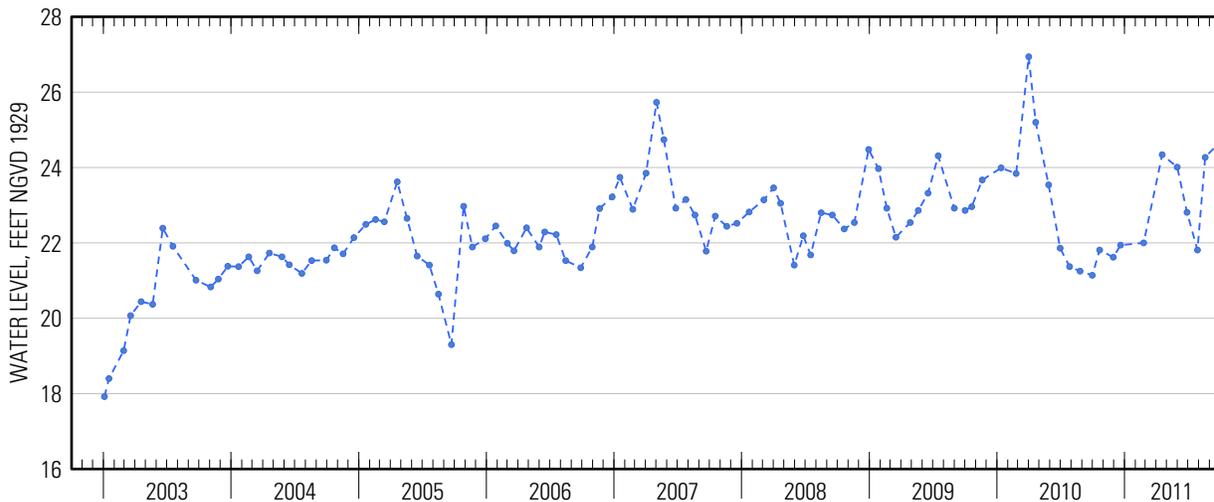
PERIOD OF RECORD.--January 2003 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.94 ft above sea level, April 1, 2010; lowest measured, 17.92 ft above sea level, January 3, 2003.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	21.81	May 31	24.01
Nov 29	21.62	Jun 28	22.81
Dec 20	21.94	Jul 28	21.81
Feb 24	22.00	Aug 19	24.27
Apr 18	24.34	Sep 27	24.65





Water-Data Report 2011

404119073380201 Local number N 13374. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°41'19.7", long 73°38'00.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at west side of Peninsula Boulevard, 185 ft north of Southern State Parkway exit ramp, Lakeview.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 45 ft. Upper casing diameter 2 in; top of first opening 35 ft, bottom of last opening 45 ft.

DATUM.--Land-surface datum is 48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.55 ft below land-surface datum.

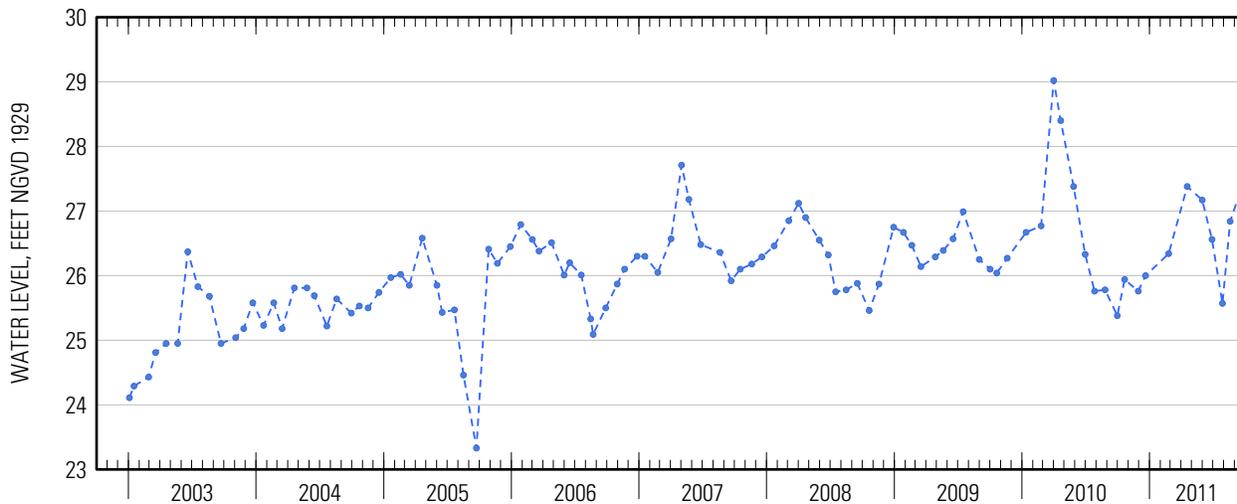
PERIOD OF RECORD.--January 2003 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.02 ft above sea level, April 1, 2010; lowest measured, 23.33 ft above sea level, September 22, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	25.94	May 31	27.17
Nov 29	25.76	Jun 28	26.56
Dec 20	26.00	Jul 28	25.57
Feb 24	26.34	Aug 19	26.84
Apr 18	27.38	Sep 27	27.46





Water-Data Report 2011

404135073254101 Local number N 12249. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°41'35.6", long 73°25'38.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 29.8 ft. Upper casing diameter 4 in; top of first opening 14.8 ft, bottom of last opening 24.8 ft.

DATUM.--Land-surface datum is 34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.79 ft below land-surface datum.

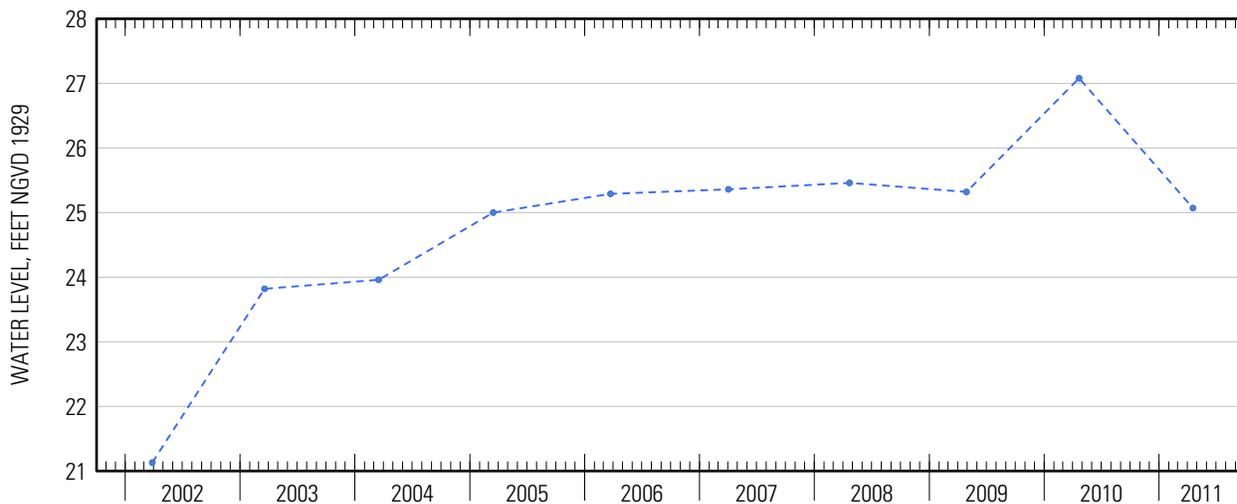
PERIOD OF RECORD.--April 1994 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.08 ft above sea level, April 21, 2010; lowest measured, 21.11 ft above sea level, September 19, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 18	25.07



Water-Data Report 2011

404202073401801 Local number N 11168. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°42'02.4", long 73°40'17.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 525 ft. Upper casing diameter 4 in; top of first opening 500 ft, bottom of last opening 520 ft.

DATUM.--Land-surface datum is 49.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.47 ft below land-surface datum.

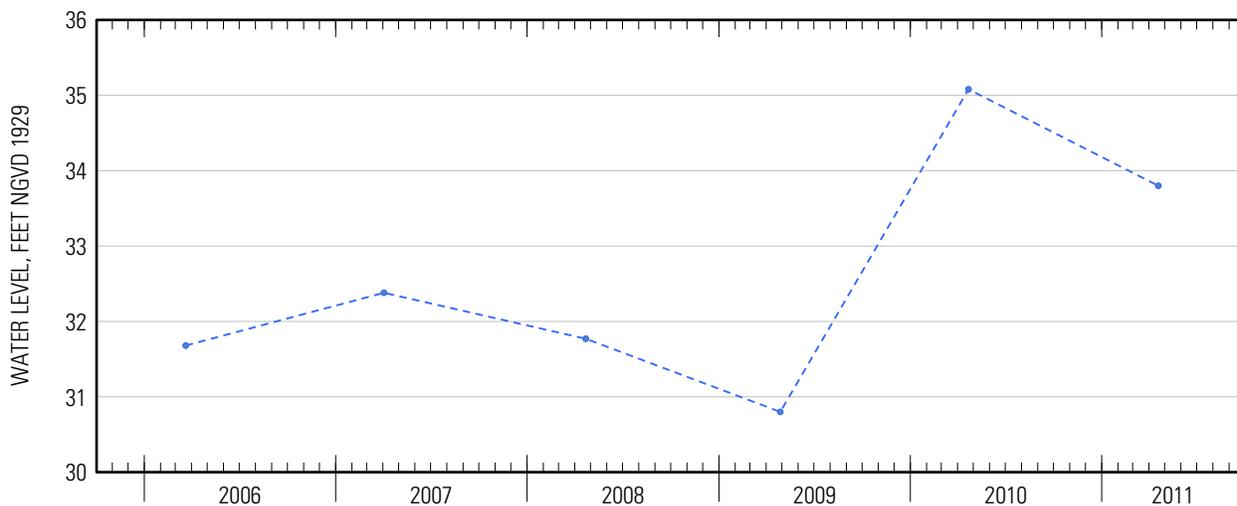
PERIOD OF RECORD.--March 1992 to March 1998 and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.08 ft above sea level, April 21, 2010; lowest measured, 26.18 ft above sea level, March 12, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 18	33.80





Water-Data Report 2011

404210073340801 Local number N 1615. 4

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°42'10", long 73°34'08" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at south side of Van Buren Avenue, 34 ft west of Merrick Avenue, Freeport.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 33 ft. Upper casing diameter 1.25 in; top of first opening 30 ft, bottom of last opening 33 ft.

DATUM.--Land-surface datum is 61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft below land-surface datum.

PERIOD OF RECORD.--October 1989 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.

REMARKS.--Replaced well N1615.3 in October 1989 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.07 ft above sea level, April 7, 2010; lowest recorded, 32.74 ft above sea level, August 23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 40.37 ft above sea level, March 2; lowest recorded, 39.19 ft above sea level, October 1.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Nov 29	39.75	Mar 2	40.36
Dec 21	39.74		

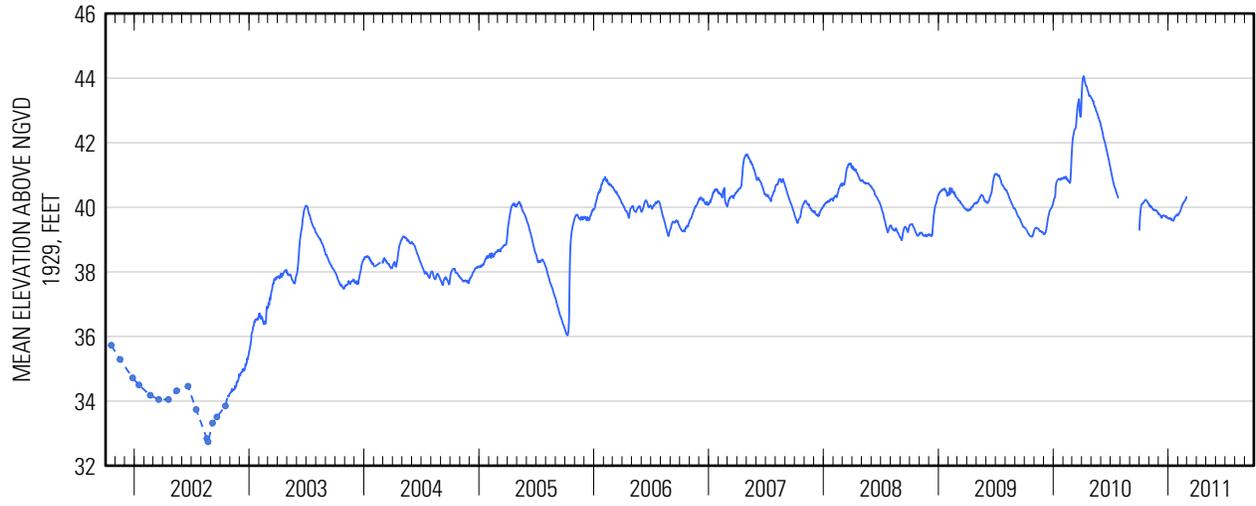
404210073340801 Local number N 1615. 4—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	39.28	40.07	39.81	39.65	39.76	40.34	---	---	---	---	---	---
2	39.52	40.04	39.78	39.65	39.78	---	---	---	---	---	---	---
3	39.69	40.04	39.78	39.64	39.78	---	---	---	---	---	---	---
4	39.81	40.05	39.78	39.65	39.80	---	---	---	---	---	---	---
5	39.91	40.05	39.78	39.66	39.83	---	---	---	---	---	---	---
6	39.99	40.01	39.76	39.66	39.84	---	---	---	---	---	---	---
7	40.05	40.00	39.75	39.67	39.86	---	---	---	---	---	---	---
8	40.08	40.03	39.72	39.66	39.88	---	---	---	---	---	---	---
9	40.10	40.00	39.70	39.63	39.90	---	---	---	---	---	---	---
10	40.11	39.99	39.68	39.61	39.93	---	---	---	---	---	---	---
11	40.12	39.97	39.67	39.61	39.96	---	---	---	---	---	---	---
12	40.13	39.95	39.69	39.64	40.00	---	---	---	---	---	---	---
13	40.12	39.94	39.73	39.61	40.03	---	---	---	---	---	---	---
14	40.14	39.93	39.74	39.60	40.08	---	---	---	---	---	---	---
15	40.16	39.92	39.74	39.60	40.08	---	---	---	---	---	---	---
16	40.18	39.91	39.75	39.59	40.09	---	---	---	---	---	---	---
17	40.19	39.93	39.75	39.58	40.11	---	---	---	---	---	---	---
18	40.20	39.92	39.74	39.60	40.14	---	---	---	---	---	---	---
19	40.22	39.91	39.74	39.63	40.16	---	---	---	---	---	---	---
20	40.22	39.92	39.74	39.65	40.16	---	---	---	---	---	---	---
21	40.24	39.90	39.73	39.69	40.18	---	---	---	---	---	---	---
22	40.22	39.90	39.73	39.70	40.19	---	---	---	---	---	---	---
23	40.21	39.91	39.72	39.71	40.20	---	---	---	---	---	---	---
24	40.20	39.89	39.70	39.71	40.22	---	---	---	---	---	---	---
25	40.20	39.89	39.69	39.73	40.25	---	---	---	---	---	---	---
26	40.18	39.89	39.71	39.75	40.25	---	---	---	---	---	---	---
27	40.16	39.87	39.72	39.76	40.29	---	---	---	---	---	---	---
28	40.15	39.85	39.69	39.77	40.32	---	---	---	---	---	---	---
29	40.13	39.82	39.67	39.78	---	---	---	---	---	---	---	---
30	40.11	39.80	39.66	39.77	---	---	---	---	---	---	---	---
31	40.11	---	39.66	39.74	---	---	---	---	---	---	---	---
Mean	40.07	39.94	39.73	39.67	40.04	---	---	---	---	---	---	---
Max	40.24	40.07	39.81	39.78	40.32	---	---	---	---	---	---	---
Min	39.28	39.80	39.66	39.58	39.76	---	---	---	---	---	---	---
Med	40.13	39.92	39.73	39.65	40.08	---	---	---	---	---	---	---

	Calendar Year 2010	Water Year 2011
Mean	41.35	39.89
Max	44.06	40.34
Min	39.28	39.28
Med	40.89	39.86

404210073340801 Local number N 1615. 4—Continued



Water-Data Report 2011

404232073432501 Local number N 9979. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°42'32.1", long 73°43'25.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at west side of Wellington Road, 279 ft south of Hempstead Turnpike, Elmont.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 95 ft. Upper casing diameter 4 in; top of first opening 87 ft, bottom of last opening 92 ft.

DATUM.--Land-surface datum is 71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.36 ft below land-surface datum.

PERIOD OF RECORD.--December 1982 to current year. Unpublished records for December 1982 to September 1987 are available in files of the U.S. Geological Survey.

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

REMARKS.--Replaced well N1622.4 in June 1982 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.48 ft above sea level, April 21, 2010; lowest measured, 5.39 ft above sea level, April 8, 1983.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	36.98	May 31	37.64
Nov 29	36.51	Jun 28	37.40
Dec 20	36.54	Jul 28	36.78
Feb 24	36.32	Aug 19	37.04
Apr 18	37.31	Sep 27	38.27





Water-Data Report 2011

404237073433701 Local number N 7493. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°42'36", long 73°43'35" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 353 ft. Upper casing diameter 4 in; top of first opening 349 ft, bottom of last opening 353 ft.

DATUM.--Land-surface datum is 75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.02 ft above land-surface datum.

PERIOD OF RECORD.--April 1964 and January 1968 to current year. Unpublished records from April 1964 to September 1975 are available in files of the Geological Survey.

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, 39.84 ft above sea level, May 8, 2010; lowest recorded, 3.52 ft above sea level, August 8, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 38.54 ft above sea level, September 30; lowest recorded, 36.48 ft above sea level, January 31, and February 1, 4, and 16.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Nov 2	36.95	Jun 1	37.77
29	36.80	30	37.51
Dec 21	36.80	Jul 28	36.99
Jan 19	36.65	Aug 17	37.18
Mar 2	36.59	Sep 27	38.49

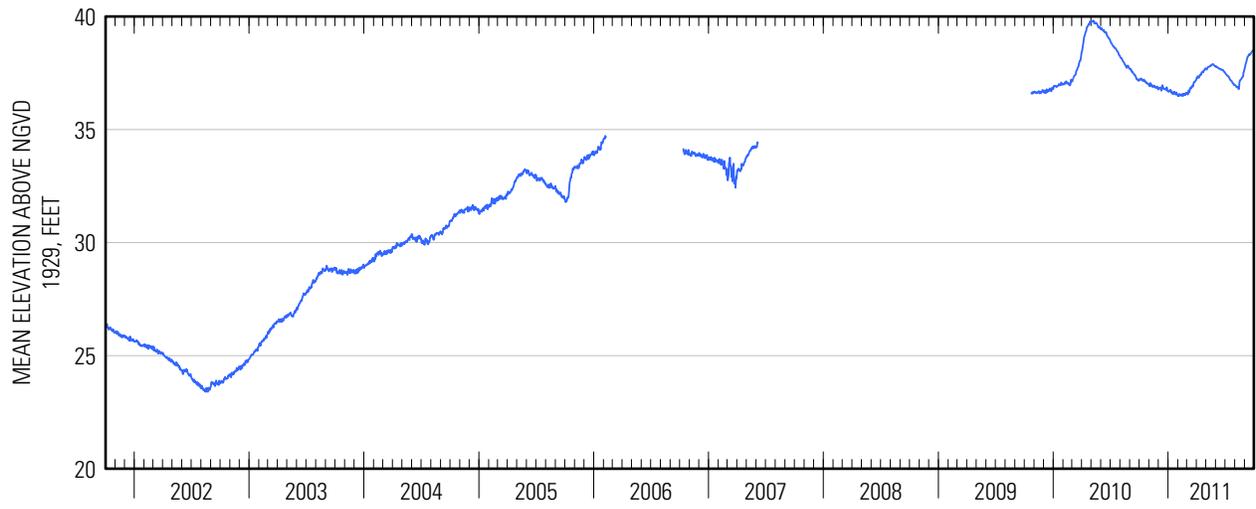
404237073433701 Local number N 7493. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37.21	37.00	36.83	36.68	36.48	36.62	37.28	37.67	37.78	37.50	36.96	37.71
2	37.23	36.93	36.85	36.69	36.54	36.60	37.30	37.65	37.80	37.47	36.96	37.77
3	37.22	36.91	36.83	36.68	36.54	36.60	37.29	37.65	37.79	37.46	36.95	37.84
4	37.21	37.00	36.83	36.68	36.49	36.55	37.30	37.67	37.77	37.45	36.93	37.90
5	37.22	37.06	36.85	36.71	36.53	36.58	37.36	37.72	37.75	37.43	36.90	37.95
6	37.23	36.99	36.86	36.72	36.57	36.67	37.32	37.74	37.75	37.41	36.87	37.99
7	37.26	36.94	36.86	36.75	36.52	36.73	37.29	37.76	37.74	37.39	36.88	38.04
8	37.23	36.99	36.81	36.76	36.55	36.67	37.29	37.78	37.74	37.38	36.90	38.10
9	37.19	36.99	36.75	36.72	36.51	36.65	37.31	37.78	37.73	37.38	36.87	38.17
10	37.17	36.95	36.72	36.65	36.51	36.71	37.34	37.78	37.71	37.36	36.87	38.21
11	37.17	36.91	36.76	36.62	36.50	36.81	37.40	37.78	37.69	37.34	36.84	38.22
12	37.17	36.88	36.85	36.68	36.52	36.84	37.42	37.78	37.69	37.34	36.81	38.25
13	37.15	36.89	36.96	36.65	36.52	36.86	37.40	37.79	37.69	37.32	36.78	38.28
14	37.15	36.90	36.94	36.59	36.57	36.83	37.44	37.81	37.69	37.28	36.85	38.31
15	37.21	36.90	36.88	36.58	36.54	36.82	37.43	37.83	37.68	37.24	37.07	38.33
16	37.21	36.90	36.85	36.60	36.48	36.87	37.44	37.84	37.66	37.22	37.14	38.32
17	37.16	36.95	36.83	36.57	36.50	36.90	37.53	37.83	37.65	37.19	37.18	38.30
18	37.13	36.92	36.79	36.60	36.56	36.93	37.53	37.83	37.66	37.18	37.18	38.31
19	37.12	36.88	36.79	36.66	36.59	36.94	37.53	37.85	37.66	37.18	37.20	38.34
20	37.11	36.87	36.80	36.63	36.55	36.90	37.55	37.88	37.65	37.16	37.21	38.37
21	37.13	36.86	36.80	36.66	36.56	36.95	37.57	37.89	37.64	37.15	37.23	38.38
22	37.11	36.84	36.79	36.63	36.56	37.02	37.53	37.89	37.62	37.13	37.27	38.40
23	37.07	36.89	36.79	36.60	36.53	37.06	37.56	37.89	37.63	37.10	37.29	38.42
24	37.04	36.89	36.77	36.55	36.52	37.10	37.61	37.89	37.63	37.07	37.30	38.45
25	37.04	36.86	36.75	36.55	36.61	37.09	37.62	37.87	37.62	37.05	37.32	38.46
26	37.05	36.90	36.77	36.58	36.59	37.11	37.64	37.85	37.59	37.05	37.33	38.48
27	37.04	36.90	36.87	36.64	36.59	37.13	37.66	37.84	37.56	37.03	37.36	38.49
28	37.03	36.85	36.80	36.60	36.62	37.15	37.69	37.82	37.54	36.99	37.52	38.50
29	37.02	36.81	36.74	36.58	---	37.16	37.71	37.80	37.54	36.97	37.55	38.52
30	36.99	36.77	36.70	36.54	---	37.18	37.70	37.80	37.52	36.99	37.60	38.53
31	37.02	---	36.68	36.50	---	37.21	---	37.78	---	36.97	37.66	---
Mean	37.14	36.91	36.81	36.63	36.54	36.88	37.47	37.80	37.67	37.23	37.12	38.24
Max	37.26	37.06	36.96	36.76	36.62	37.21	37.71	37.89	37.80	37.50	37.66	38.53
Min	36.99	36.77	36.68	36.50	36.48	36.55	37.28	37.65	37.52	36.97	36.78	37.71
Med	37.15	36.90	36.80	36.63	36.54	36.87	37.44	37.80	37.67	37.22	37.14	38.31

	Calendar Year 2010	Water Year 2011
Mean	37.89	37.21
Max	39.82	38.53
Min	36.68	36.48
Med	37.49	37.13

404237073433701 Local number N 7493. 1—Continued



Water-Data Report 2011

404253073395601 Local number N 9945. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°42'53", long 73°39'56" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at north side of 1st Place, 78 ft east of Yale Road, Garden City South.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 67 ft. Upper casing diameter 4 in; top of first opening 59 ft, bottom of last opening 64 ft.

DATUM.--Land-surface datum is 76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.28 ft below land-surface datum.

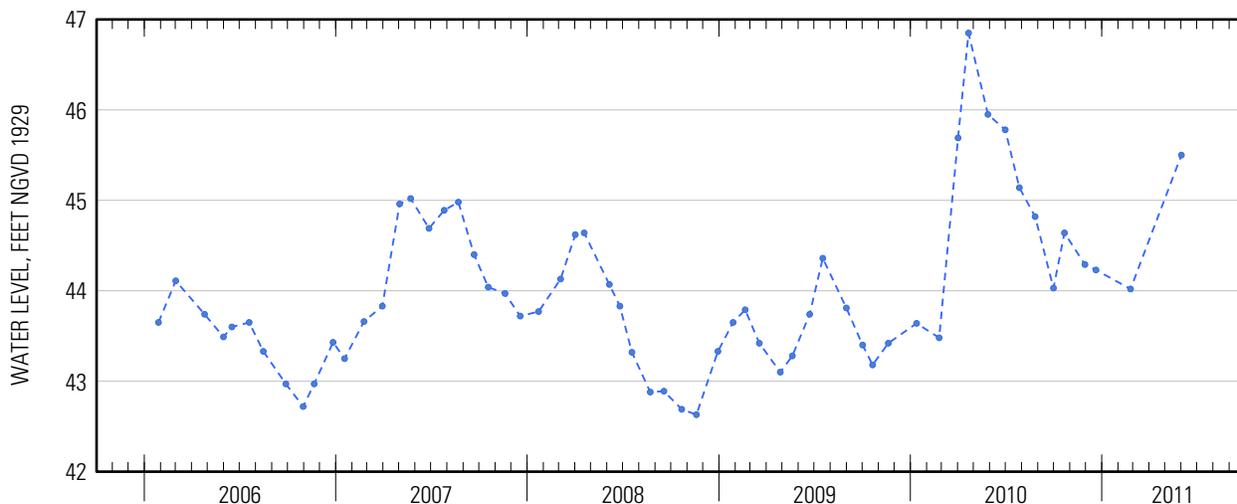
PERIOD OF RECORD.--December 1982 to September 1987, March 1990 to March 1998, and January 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.85 ft above sea level, April 21, 2010; lowest measured, 34.20 ft above sea level, December 20, 1982.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	44.64	Feb 24	44.02
Nov 29	44.29	Jun 1	45.50
Dec 20	44.23		



Water-Data Report 2011

404303073295501 Local number N 12250. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°43'03.3", long 73°29'53.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at east side of Emerald Lane, 87 ft south of Miller Place, Levittown.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 49 ft. Upper casing diameter 4 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.66 ft below land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

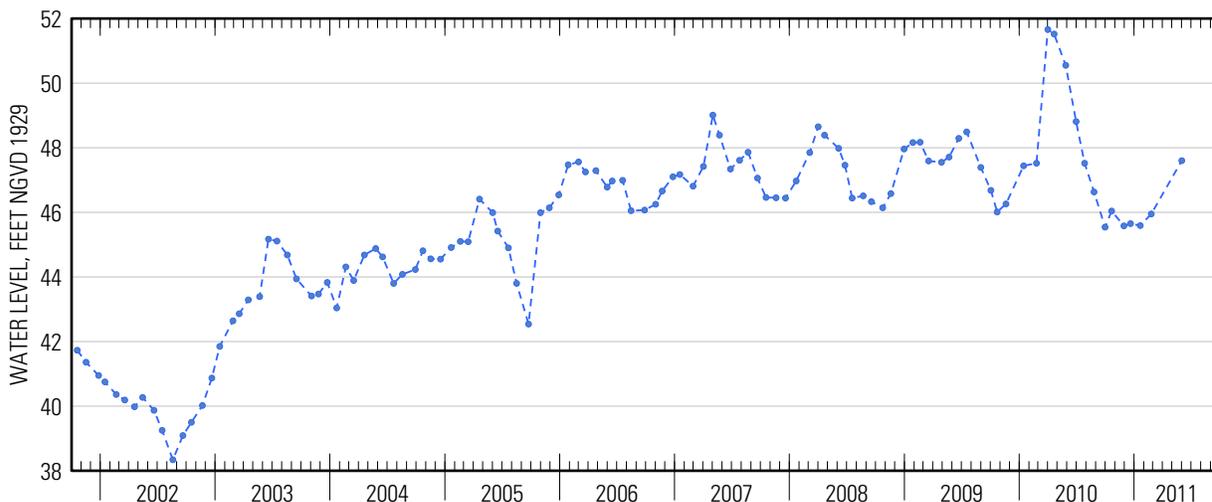
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1263.4 in July 1993 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.66 ft above sea level, April 1, 2010; lowest measured, 38.34 ft above sea level, August 19, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	46.04	Jan 20	45.59
Nov 29	45.58	Feb 24	45.95
Dec 20	45.65	Jun 1	47.60





Water-Data Report 2011

404317073291105 Local number N 1259.5

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°43'16", long 73°29'10" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at south side of Mary Lane, 79 ft east of Hicksville Road (State Route 107), Plainedge.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 41 ft. Upper casing diameter 1.25 in; top of first opening 38 ft, bottom of last opening 41 ft.

DATUM.--Land-surface datum is 78.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.42 ft below land-surface datum.

PERIOD OF RECORD.--June 1961 to current year.

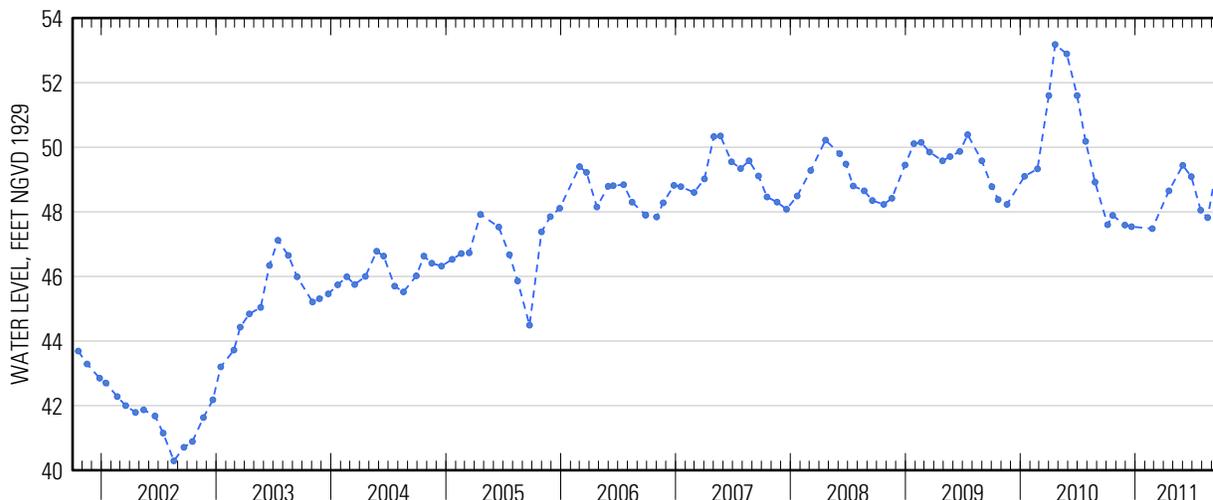
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1259.4 in June 1961 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft above sea level, February 21, 1978; lowest measured, 40.29 ft above sea level, August 19, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 5	47.60	Jun 1	49.44
21	47.89	28	49.09
Nov 29	47.59	Jul 28	48.05
Dec 20	47.54	Aug 19	47.82
Feb 24	47.48	Sep 27	49.93
Apr 18	48.65		



Water-Data Report 2011

404326073341801 Local number N 11570. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°43'26", long 73°34'18" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at southwest side of Eisenhower County Park, near wading pool, 80 ft north of fence line along Hempstead Turnpike, westernmost well, East Meadow.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 875 ft. Upper casing diameter 4 in; top of first opening 850 ft, bottom of last opening 870 ft.

DATUM.--Land-surface datum is 83.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.47 ft below land-surface datum.

PERIOD OF RECORD.--May 1990 to March 1998 and March 2002 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, 20.90 ft above sea level, April 16, 2007; lowest recorded, 10.55 ft above sea level, August 23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 19.28 ft above sea level, February 5; lowest recorded, 16.22 ft above sea level, November 2.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Nov 2	16.31	Jan 20	18.78
29	17.61	Mar 2	18.73
Dec 21	18.42		

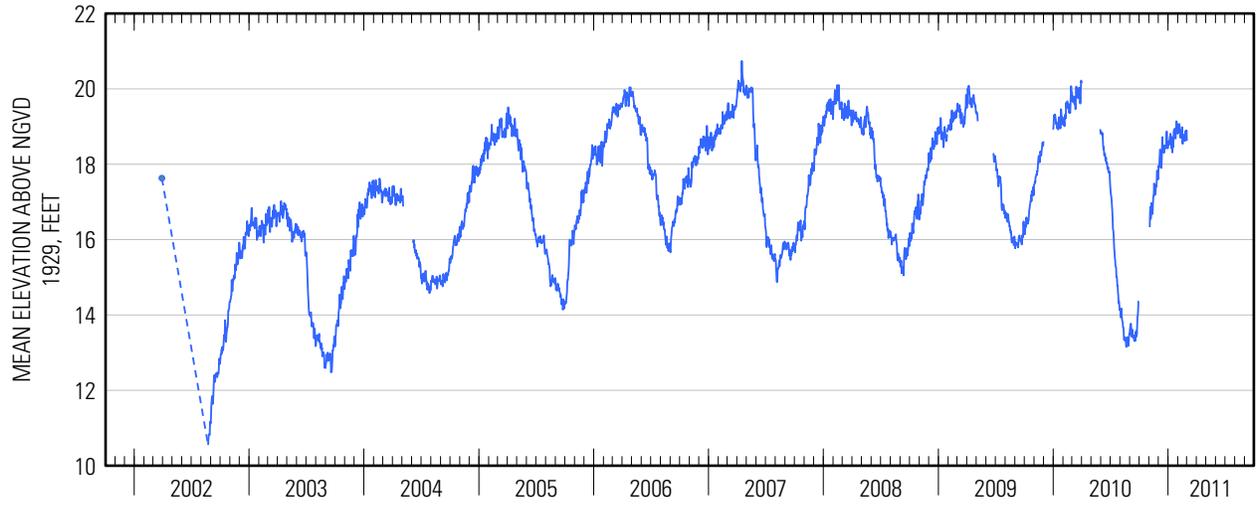
404326073341801 Local number N 11570. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	17.96	18.51	18.87	18.62	---	---	---	---	---	---
2	---	---	17.94	18.61	19.04	---	---	---	---	---	---	---
3	---	16.33	17.91	18.54	18.85	---	---	---	---	---	---	---
4	---	16.74	18.10	18.52	18.85	---	---	---	---	---	---	---
5	---	16.87	18.27	18.63	19.07	---	---	---	---	---	---	---
6	---	16.55	18.39	18.72	19.02	---	---	---	---	---	---	---
7	---	16.63	18.27	18.75	18.92	---	---	---	---	---	---	---
8	---	16.97	18.15	18.81	18.90	---	---	---	---	---	---	---
9	---	16.79	18.04	18.68	18.70	---	---	---	---	---	---	---
10	---	16.78	17.90	18.52	18.79	---	---	---	---	---	---	---
11	---	16.71	18.03	18.42	18.74	---	---	---	---	---	---	---
12	---	16.68	18.43	18.72	18.84	---	---	---	---	---	---	---
13	---	16.91	18.72	18.51	18.80	---	---	---	---	---	---	---
14	---	17.08	18.48	18.31	18.98	---	---	---	---	---	---	---
15	---	17.18	18.44	18.47	18.56	---	---	---	---	---	---	---
16	---	17.19	18.44	18.55	18.54	---	---	---	---	---	---	---
17	---	17.49	18.43	18.46	18.65	---	---	---	---	---	---	---
18	---	17.36	18.30	18.77	18.71	---	---	---	---	---	---	---
19	---	17.18	18.41	18.89	18.76	---	---	---	---	---	---	---
20	---	17.28	18.50	18.80	18.64	---	---	---	---	---	---	---
21	---	17.21	18.42	18.94	18.79	---	---	---	---	---	---	---
22	---	17.34	18.48	18.86	18.70	---	---	---	---	---	---	---
23	---	17.43	18.50	18.84	18.62	---	---	---	---	---	---	---
24	---	17.41	18.42	18.68	18.67	---	---	---	---	---	---	---
25	---	17.50	18.44	18.83	18.88	---	---	---	---	---	---	---
26	---	17.83	18.64	19.02	18.68	---	---	---	---	---	---	---
27	---	17.83	18.87	19.14	18.78	---	---	---	---	---	---	---
28	---	17.65	18.63	19.11	18.90	---	---	---	---	---	---	---
29	---	17.60	18.51	19.07	---	---	---	---	---	---	---	---
30	---	17.61	18.42	18.98	---	---	---	---	---	---	---	---
31	---	---	18.45	18.81	---	---	---	---	---	---	---	---
Mean	---	17.15	18.35	18.72	18.79	---	---	---	---	---	---	---
Max	---	17.83	18.87	19.14	19.07	---	---	---	---	---	---	---
Min	---	16.33	17.90	18.31	18.54	---	---	---	---	---	---	---
Med	---	17.18	18.42	18.72	18.79	---	---	---	---	---	---	---

	Calendar Year 2010	Water Year 2011
Mean	17.22	18.27
Max	20.22	19.14
Min	13.15	16.33
Med	18.03	18.51

404326073341801 Local number N 11570. 1—Continued





Water-Data Report 2011

404338073371502 Local number N 10035. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°43'38.3", long 73°37'13.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at north side of Commercial Avenue, 60 ft east of Clinton Avenue, Garden City.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 56 ft. Upper casing diameter 4 in; top of first opening 48 ft, bottom of last opening 53 ft.

DATUM.--Land-surface datum is 77.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.38 ft below land-surface datum.

PERIOD OF RECORD.--October 1982 to current year.

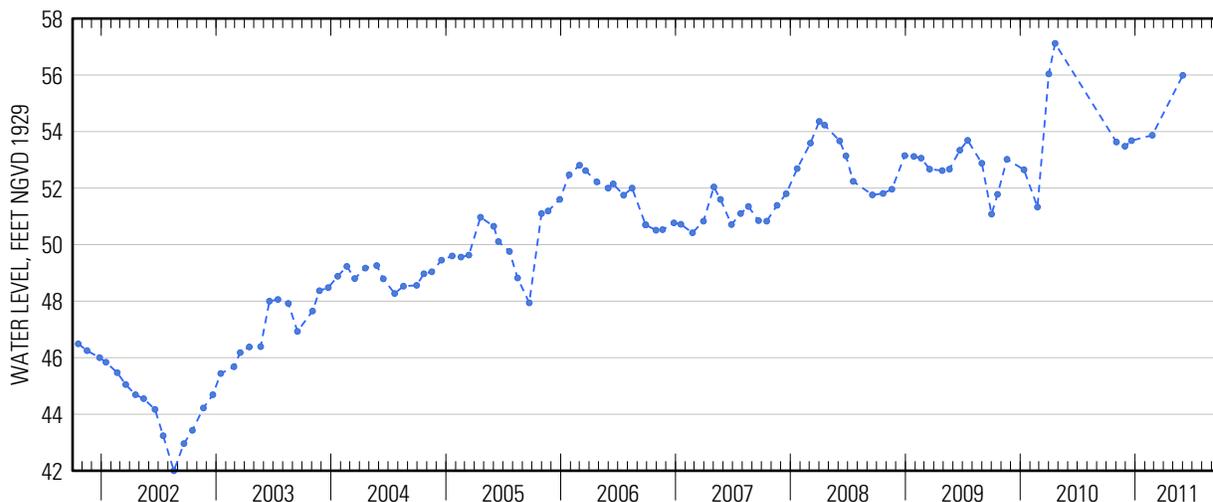
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1255.2 in October 1982 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.12 ft above sea level, April 21, 2010; lowest measured, 42.00 ft above sea level, August 19, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Nov 2	53.63	Feb 24	53.87
29	53.48	Jun 1	55.99
Dec 20	53.68		





Water-Data Report 2011

404345073411901 Local number N 7650. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°43'44", long 73°41'21" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 445 ft. Upper casing diameter 18 in; top of first opening 400 ft, bottom of last opening 440 ft.

DATUM.--Land-surface datum is 97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in steel plug in northeast side of pump base, 2.90 ft below land-surface datum.

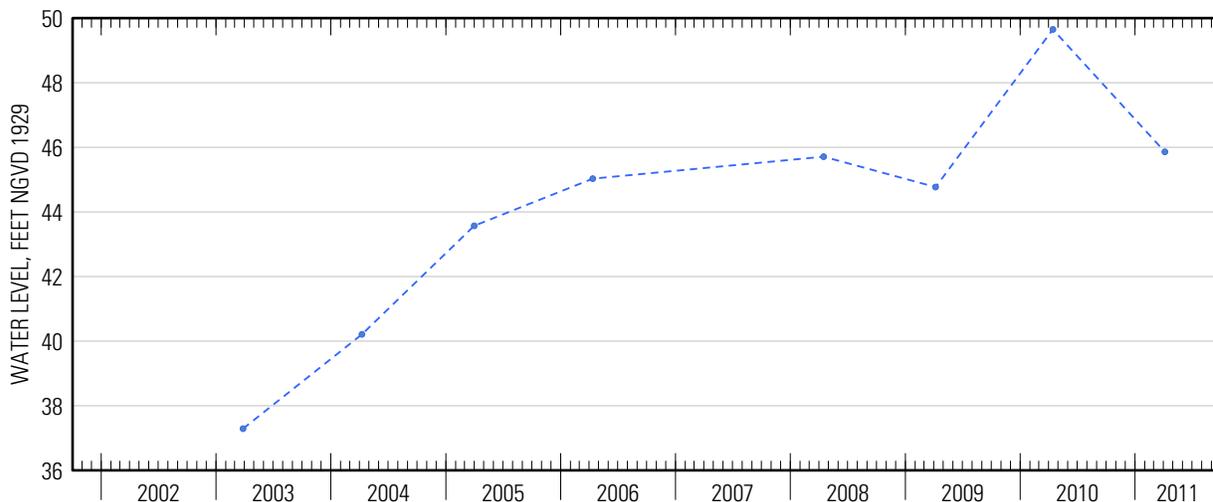
PERIOD OF RECORD.--December 1967 to March 1981, May 1984, May 1985, March 1992 to May 1995, April 1997 to March 2001, March 2003 to April 2006, and April 2008 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.65 ft above sea level, April 14, 2010; lowest measured, 32.63 ft above sea level, March 9, 1971.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	45.86



Water-Data Report 2011

404347073260702 Local number N 9662. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°43'47.9", long 73°26'05.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 57 ft. Upper casing diameter 4 in; top of first opening 52 ft, bottom of last opening 57 ft.

DATUM.--Land-surface datum is 68.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.16 ft below land-surface datum.

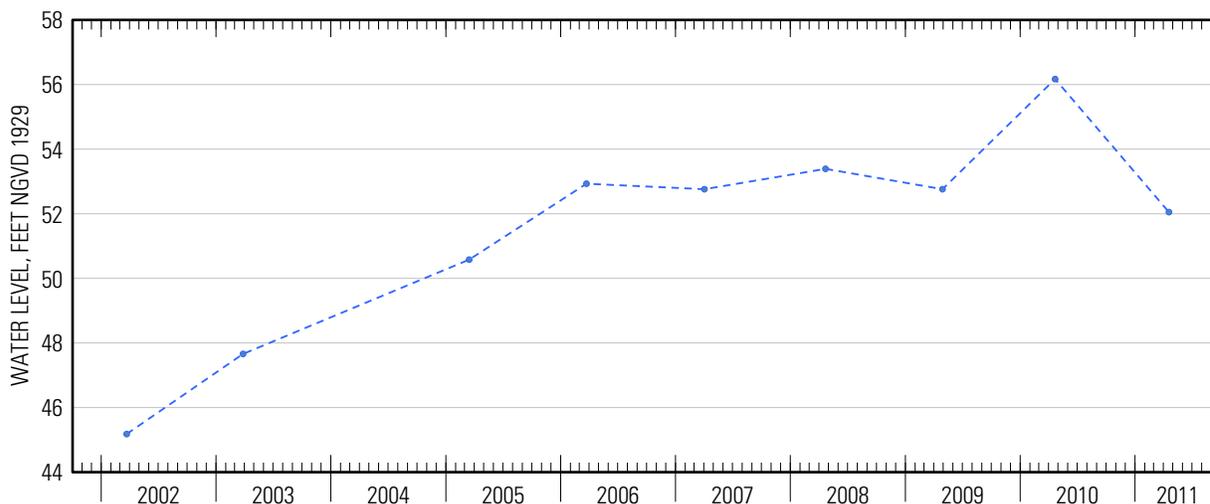
PERIOD OF RECORD.--March 1981 to August 1985, July 1988 to August 1988, and March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.52 ft above sea level, April 27, 1984; lowest measured, 45.18 ft above sea level, March 22, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 18	52.05





Water-Data Report 2011

404404073420201 Local number N 9983. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°44'07.7", long 73°41'54.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 99 ft. Upper casing diameter 4 in; top of first opening 91 ft, bottom of last opening 96 ft.

DATUM.--Land-surface datum is 108 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.61 ft below land-surface datum.

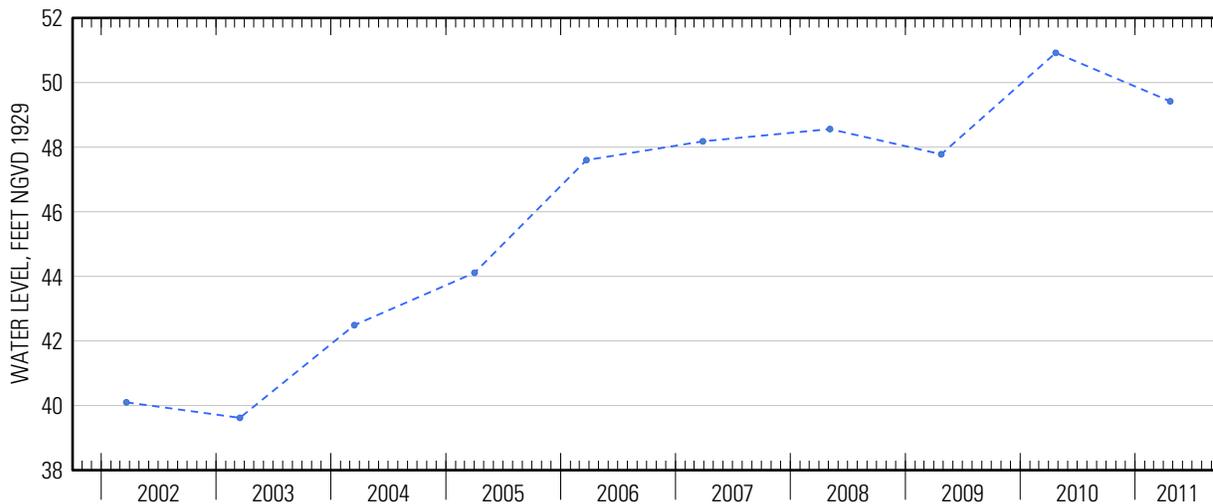
PERIOD OF RECORD.--December 1982 to March 1984, September 1997, and March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.92 ft above sea level, April 23, 2010; lowest measured, 31.90 ft above sea level, December 17, 1982.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	49.42



Water-Data Report 2011

404454073393001 Local number N 1614.5

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°44'53.9", long 73°39'29.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at northwest corner of Wilson Street and Herricks Road, North Hempstead.

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 102 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.12 ft below land-surface datum.

PERIOD OF RECORD.--August 2001 to current year.

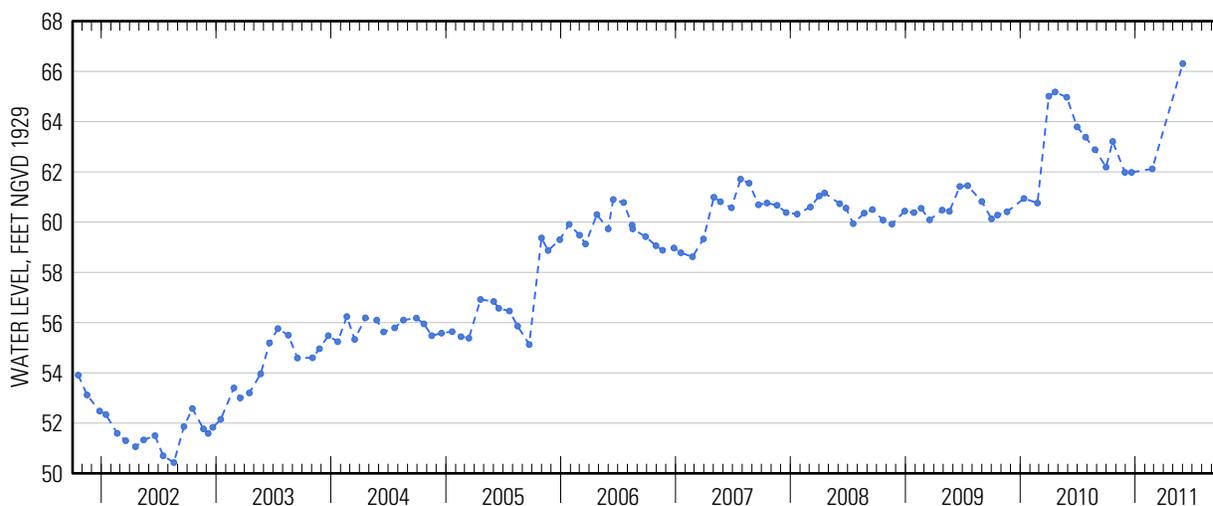
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1614.4 in July 2001 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66.31 ft above sea level, June 1, 2011; lowest measured, 50.43 ft above sea level, August 19, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	63.21	Feb 24	62.12
Nov 29	61.98	Jun 1	66.31
Dec 20	61.98		



Water-Data Report 2011

404511073402501 Local number N 11659. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°45'11", long 73°40'25" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 421 ft. Upper casing diameter 4 in; top of first opening 399 ft, bottom of last opening 419 ft.

DATUM.--Land-surface datum is 104 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.39 ft below land-surface datum.

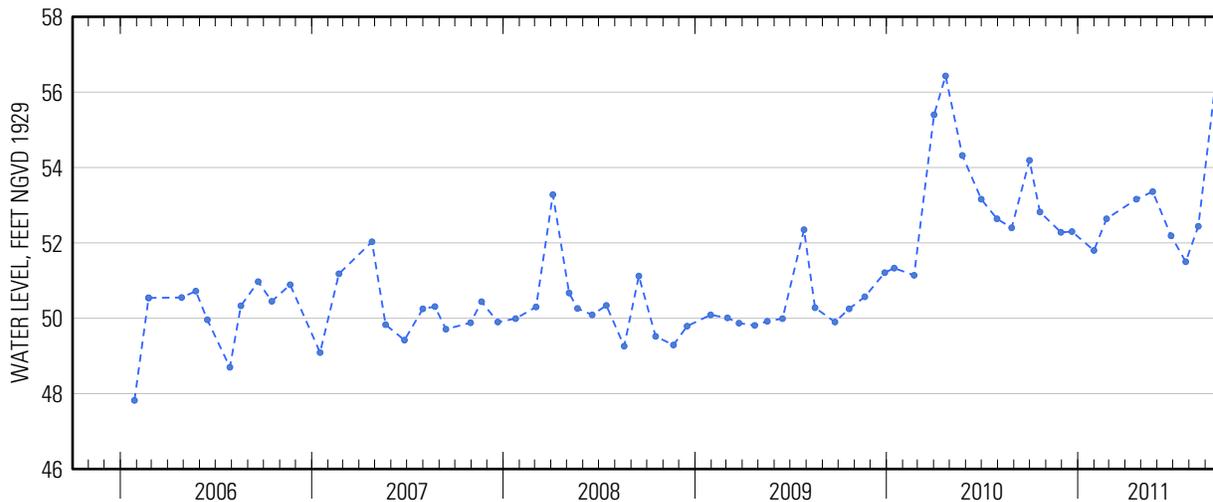
PERIOD OF RECORD.--March 1992 to March 1998 and January 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.98 ft above sea level, September 26, 2011; lowest measured, 41.96 ft above sea level, Septmeber 15, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	52.82	May 23	53.36
Nov 29	52.28	Jun 27	52.19
Dec 20	52.30	Jul 25	51.50
Jan 31	51.80	Aug 18	52.44
Feb 24	52.64	Sep 26	56.98
Apr 22	53.16		



404516073335801 Local number N 11850. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°45'16", long 73°33'58" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202.

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 118.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch casing, 0.49 ft below land-surface datum.

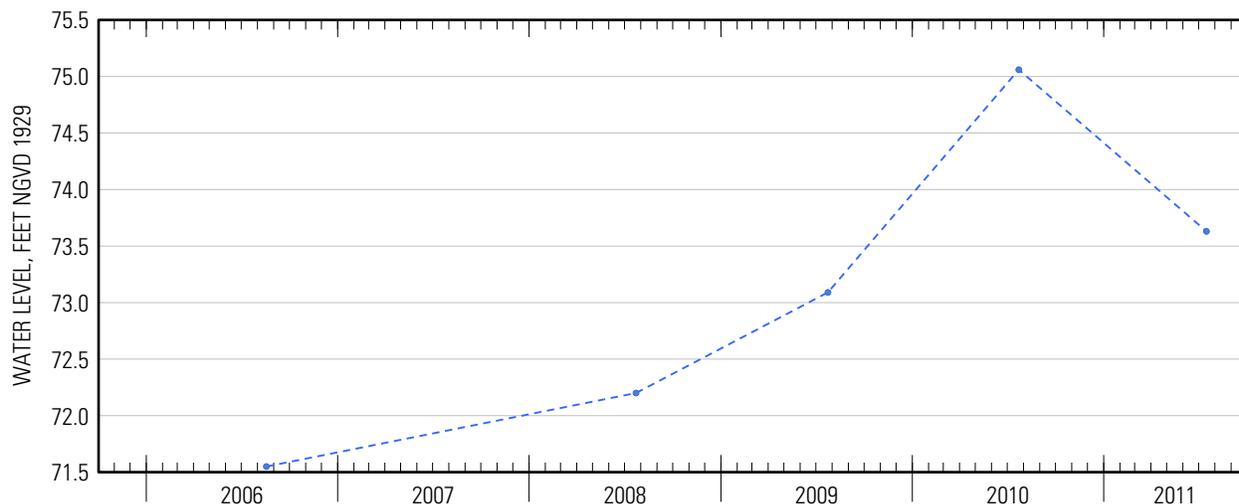
PERIOD OF RECORD.--August 1991 and August 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.06 ft above sea level, July 22, 2010; lowest measured, 71.55 ft above sea level, August 17, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Jul 15	73.63



Water-Data Report 2011

404535073370002 Local number N 8269.2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°45'35", long 73°37'00" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at east side of Bacon Road, 106 ft north of Hillside Avenue, south of school entrance, Old Westbury.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 86 ft. Upper casing diameter 4 in; top of first opening 81 ft, bottom of last opening 86 ft.

DATUM.--Land-surface datum is 111.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.

PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of the Geological Survey.

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

REMARKS.--Prior to April 1967, well at site (N1258.1) was screened in the upper glacial aquifer. Well N1258.1 was replaced by well N8269.1 in April 1967, which was replaced by well N8269.2 in June 1976 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 74.18 ft above sea level, May 21, 1980; lowest recorded, 59.25 ft above sea level, October 11 and 12, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 72.50 ft above sea level, September 30; lowest recorded, 69.89 ft above sea level, February 15 and 16.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	70.61	Jan 25	70.03
Nov 23	70.54	Feb 16	69.94
Dec 15	70.48	Mar 22	70.67

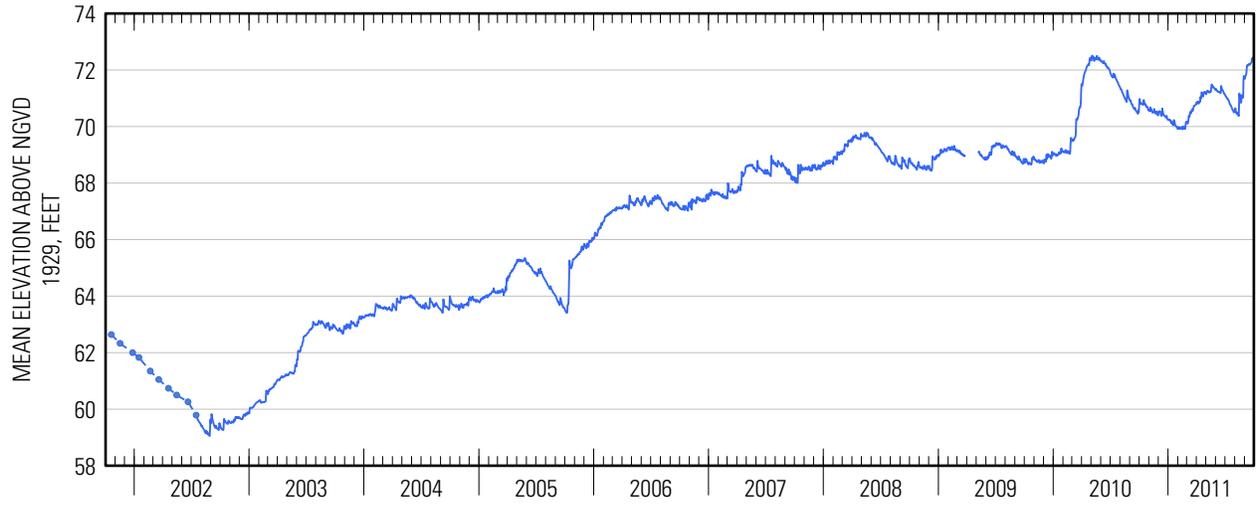
404535073370002 Local number N 8269. 2—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70.91	70.55	---	70.25	69.92	70.14	70.86	71.14	71.33	71.11	70.52	71.69
2	70.98	70.54	70.56	70.25	69.99	70.16	70.86	71.17	71.33	71.08	70.65	71.73
3	70.88	70.57	70.55	70.23	69.96	70.10	70.82	71.21	71.29	71.07	70.58	71.77
4	70.83	70.65	70.54	70.24	69.93	70.11	70.86	71.24	71.28	71.06	70.53	71.80
5	70.81	70.68	70.54	70.22	69.97	70.16	70.88	71.27	71.26	71.03	70.48	71.83
6	70.80	70.57	70.53	70.22	69.95	70.22	70.82	71.26	71.26	71.01	70.46	71.86
7	70.83	70.56	70.50	70.23	69.93	70.37	70.81	71.27	71.25	70.99	70.47	72.01
8	70.82	70.62	70.44	70.21	69.95	70.35	70.82	71.24	71.23	70.99	70.46	72.12
9	70.80	70.58	70.39	70.17	69.92	70.34	70.83	71.23	71.22	70.99	70.45	72.17
10	70.79	70.54	70.38	70.13	69.94	70.38	70.86	71.21	71.23	70.95	70.50	72.15
11	70.78	70.50	70.38	70.14	69.92	70.49	70.91	71.20	71.23	70.93	70.43	72.15
12	70.81	70.49	70.50	70.18	69.95	70.52	70.88	71.20	71.23	70.92	70.39	72.18
13	70.77	70.50	70.64	70.10	69.94	70.49	71.02	71.22	71.21	70.89	70.37	72.20
14	70.78	70.50	70.56	70.08	69.99	70.47	71.06	71.23	71.20	70.85	70.79	72.21
15	70.94	70.50	70.50	70.10	69.90	70.49	70.99	71.25	71.19	70.82	71.17	72.21
16	70.87	70.50	70.45	70.07	69.93	70.56	71.04	71.23	71.18	70.79	71.04	72.18
17	70.83	70.62	70.42	70.04	69.96	70.59	71.21	71.31	71.22	70.77	70.93	72.19
18	70.80	70.58	70.39	70.13	70.00	70.61	71.18	71.41	71.44	70.76	70.89	72.21
19	70.78	70.52	70.39	70.23	69.99	70.56	71.14	71.49	71.40	70.74	70.86	72.23
20	70.77	70.51	70.38	70.16	69.93	70.55	71.15	71.46	71.35	70.71	70.84	72.24
21	70.79	70.46	70.37	70.16	69.97	70.64	71.09	71.42	71.31	70.69	70.87	72.25
22	70.73	70.48	70.36	70.10	69.94	70.67	71.06	71.38	71.29	70.66	71.11	72.27
23	70.70	70.53	70.35	70.06	69.91	70.71	71.15	71.40	71.28	70.63	71.06	72.29
24	70.69	70.47	70.33	70.02	69.93	70.74	71.21	71.42	71.27	70.60	71.02	72.41
25	70.71	70.47	70.32	70.02	70.08	70.74	71.22	71.39	71.24	70.58	71.02	72.41
26	70.70	70.53	70.37	70.02	70.15	70.74	71.21	71.38	71.20	70.57	71.02	72.41
27	70.69	70.48	70.38	70.00	70.14	70.75	71.20	71.36	71.17	70.54	71.04	72.41
28	70.64	70.41	70.30	69.98	70.17	70.76	71.22	71.34	71.16	70.50	71.61	72.43
29	70.59	70.39	70.27	69.96	---	70.77	71.21	71.32	71.16	70.51	71.79	72.47
30	70.60	70.42	70.25	69.94	---	70.78	71.17	71.31	71.13	70.57	71.71	72.50
31	70.59	---	70.24	69.91	---	70.82	---	71.30	---	70.51	71.68	---
Mean	70.77	70.52	70.42	70.11	69.97	70.51	71.02	71.30	71.25	70.80	70.86	72.17
Max	70.98	70.68	70.64	70.25	70.17	70.82	71.22	71.49	71.44	71.11	71.79	72.50
Min	70.59	70.39	70.24	69.91	69.90	70.10	70.81	71.14	71.13	70.50	70.37	71.69
Med	70.79	70.51	70.39	70.13	69.95	70.55	71.05	71.27	71.23	70.79	70.86	72.21

	Calendar Year 2010	Water Year 2011
Mean	70.85	70.81
Max	72.51	72.50
Min	68.96	69.90
Med	70.78	70.76

404535073370002 Local number N 8269. 2—Continued



Water-Data Report 2011

404544073265502 Local number N 7397. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°45'45.3", long 73°26'54.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 101 ft. Upper casing diameter 4 in; top of first opening 96 ft, bottom of last opening 101 ft.

DATUM.--Land-surface datum is 154 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.06 ft below land-surface datum.

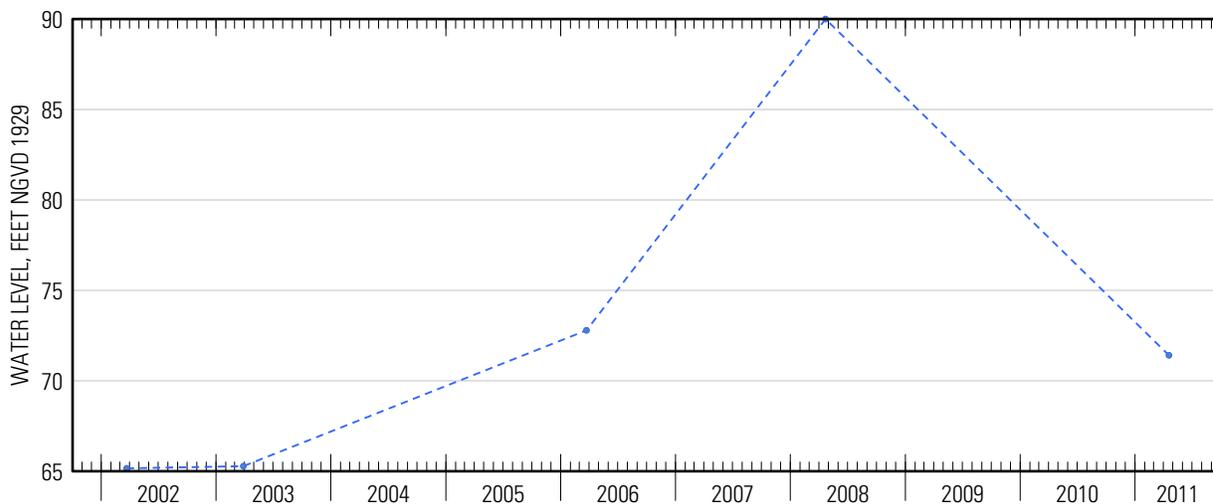
PERIOD OF RECORD.--April 1984 to March 1986, March 1990 to March 2003, and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.00 ft above sea level, April 21, 2008; lowest measured, 62.66 ft above sea level, March 14, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 18	71.41



Water-Data Report 2011

404606073434101 Local number N 8970. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°46'07.1", long 73°43'43.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 193 ft. Upper casing diameter 2 in; top of first opening 188 ft, bottom of last opening 193 ft.

DATUM.--Land-surface datum is 154 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.42 ft above land-surface datum.

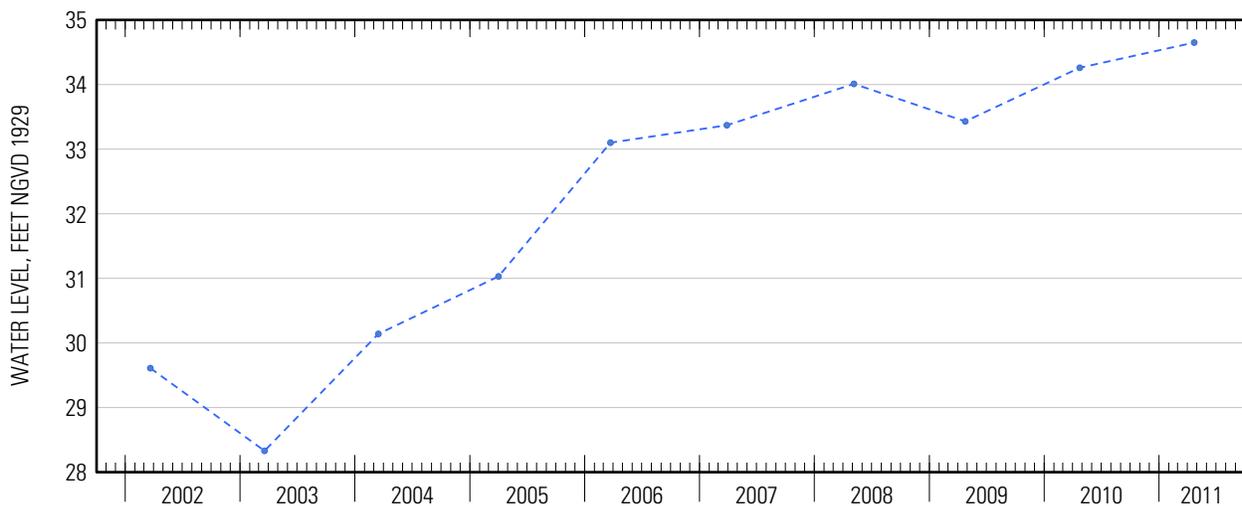
PERIOD OF RECORD.--July 1973 to April 1983 and March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.65 ft above sea level, April 22, 2011; lowest measured, 21.93 ft above sea level, December 17, 1982.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	34.65



Water-Data Report 2011

404607073430801 Local number N 12450. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°46'06.3", long 73°43'07.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at west side of Links Drive, south of Horace Harding Boulevard, Lake Success.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 685 ft. Upper casing diameter 4 in; top of first opening 660 ft, bottom of last opening 680 ft.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.31 ft below land-surface datum.

PERIOD OF RECORD.--March 1994 to current year.

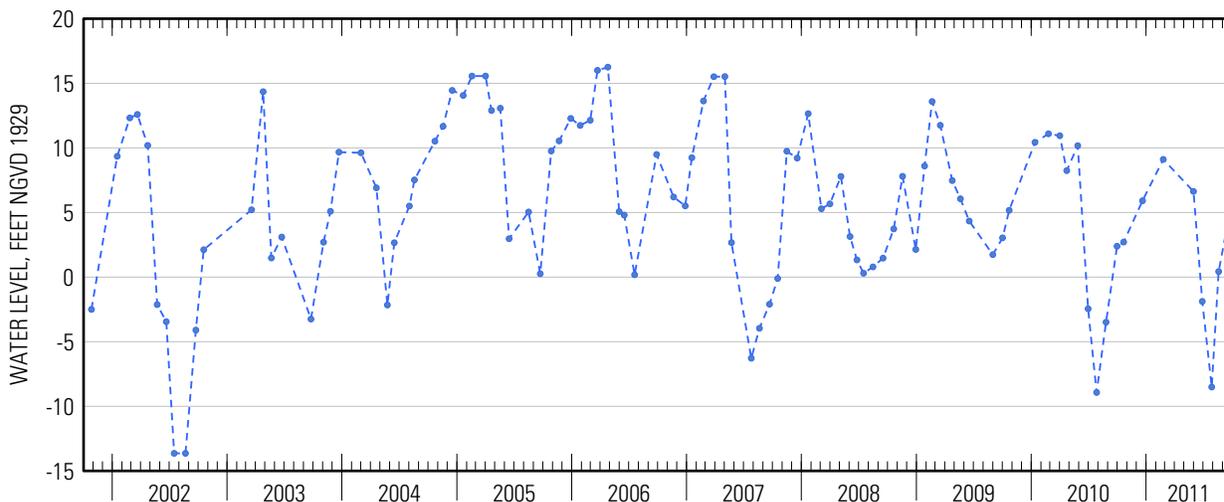
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.25 ft above sea level, April 25, 2006; lowest measured, 13.64 ft below sea level, July 16 and August 21, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	2.71	Jun 28	-1.88
Dec 20	5.91	Jul 28	-8.51
Feb 24	9.11	Aug 19	0.43
May 31	6.63	Sep 27	5.47





Water-Data Report 2011

404609073421602 Local number N 1102. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°46'09.6", long 73°42'13.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at southwest corner of Community Drive and Long Island Expressway westbound service road, Lake Success.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 166 ft. Upper casing diameter 4 in; top of first opening 161 ft, bottom of last opening 166 ft.

DATUM.--Land-surface datum is 184 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft below land-surface datum.

PERIOD OF RECORD.--April 1963 to current year.

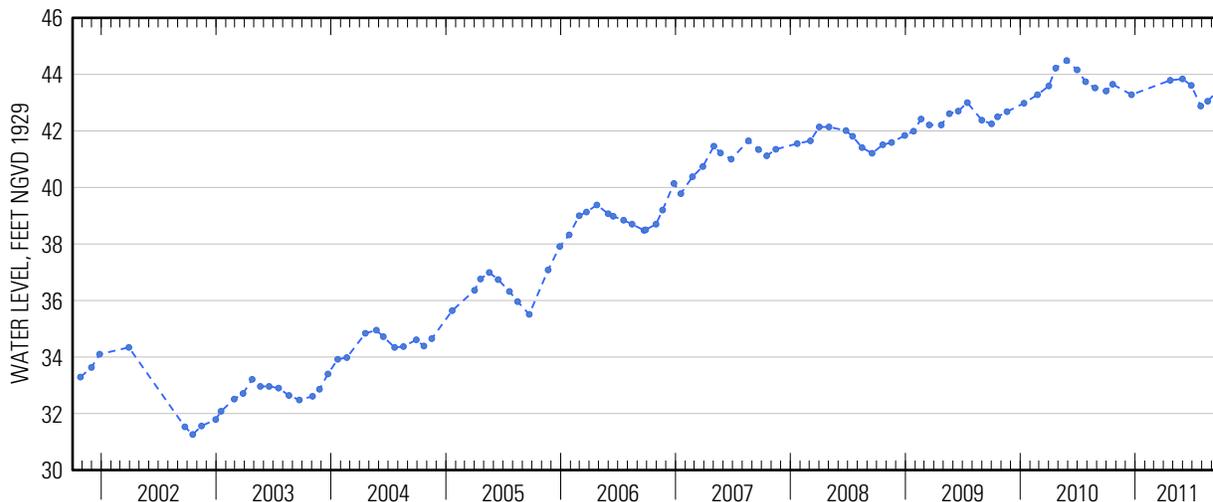
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1102.1 in March 1963 near same location, which has a period of record from October 1937 to March 1963.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.02 ft above sea level, April 24, 1963; lowest measured, 28.90 ft above sea level, January 19, 1983.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	43.65	Jun 28	43.61
Nov 29	40.28	Jul 28	42.88
Dec 20	43.28	Aug 19	43.05
Apr 22	43.79	Sep 27	43.50
May 31	43.84		



Water-Data Report 2011

404614073330504 Local number N 1195. 5

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°46'14", long 73°33'05" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at east side of Cantiague Rock Road, 52 ft north of Barry Drive, Hicksville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 116 ft. Upper casing diameter 4 in; top of first opening 111 ft, bottom of last opening 116 ft.

DATUM.--Land-surface datum is 148 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft above land-surface datum.

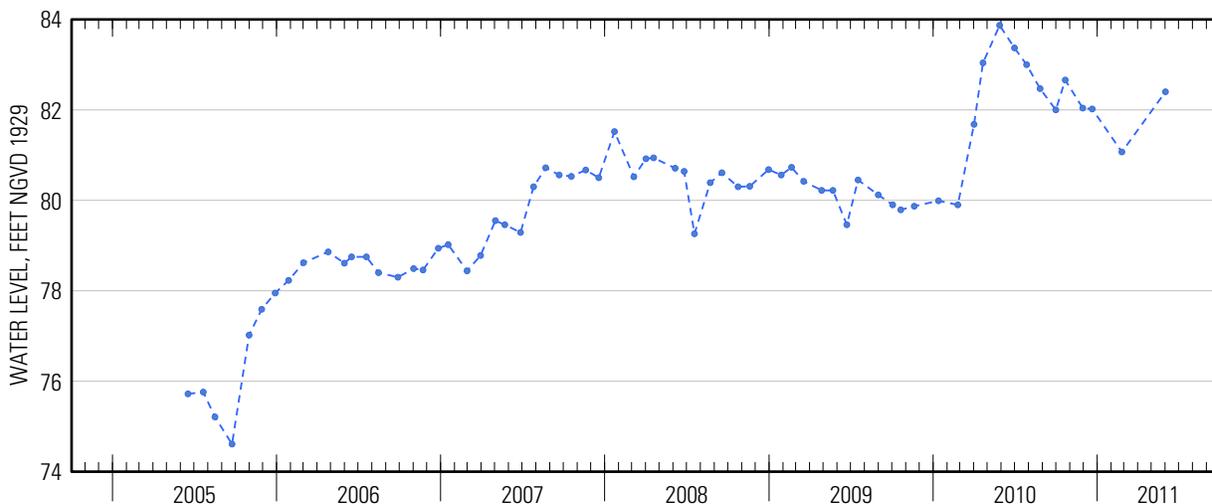
PERIOD OF RECORD.--September 1976 to August 1985, May 1987 to July 1987, March 1990 to March 1989, and June 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.14 ft above sea level, May 24, 1979; lowest measured, 72.12 ft above sea level, January 22, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	82.66	Feb 24	81.07
Nov 29	82.04	Jun 1	82.40
Dec 20	82.02		



404622073330701 Local number N 11457. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°46'21.3", long 73°33'02.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at east side of Cantiague Rock Road, 203 ft north of Laura Drive, Cantiague Park, Hicksville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 865 ft. Upper casing diameter 4 in; top of first opening 840 ft, bottom of last opening 860 ft.

DATUM.--Land-surface datum is 153 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft below land-surface datum.

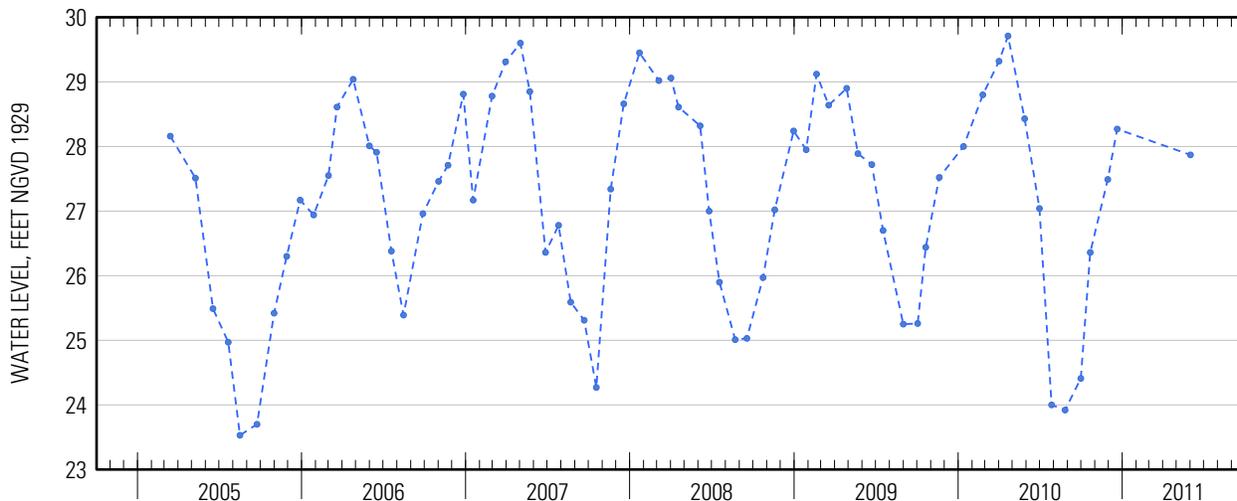
PERIOD OF RECORD.--March 1991 to March 1998 and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.71 ft above sea level, April 21, 2010; lowest measured, 20.88 ft above sea level, September 19, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	26.36	Dec 20	28.27
Nov 29	27.49	Jun 1	27.87





Water-Data Report 2011

404625073330701 Local number N 11458. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°46'25", long 73°33'07" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at east side of Cantiague Rock Road, 222 ft north of Laura Drive, Cantiague Park, Hicksville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 625 ft. Upper casing diameter 4 in; top of first opening 600 ft, bottom of last opening 620 ft.

DATUM.--Land-surface datum is 153.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft below land-surface datum.

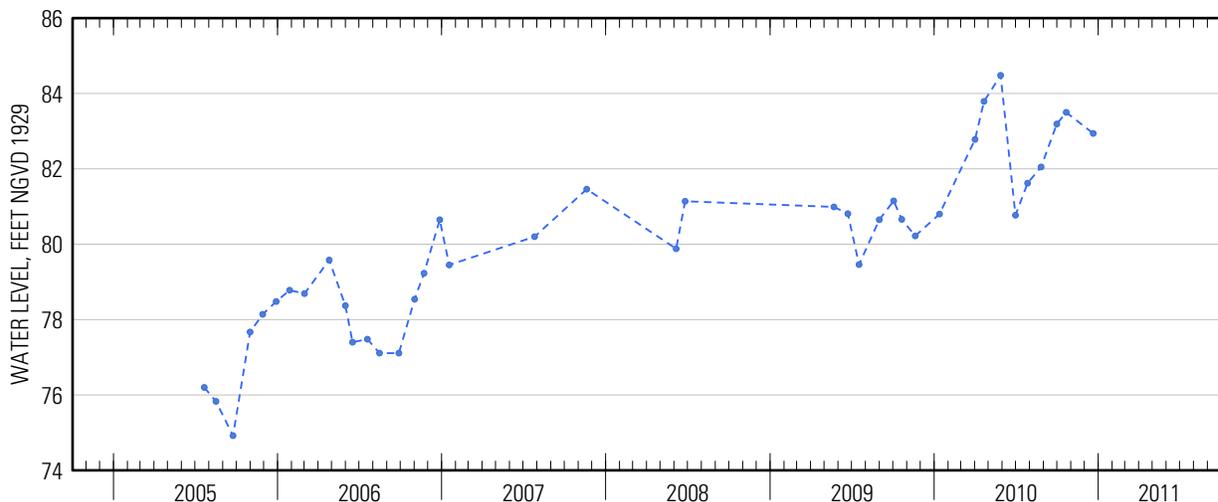
PERIOD OF RECORD.--February 1994 to March 1998 and July 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.48 ft above sea level, May 28, 2010; lowest measured, 73.32 ft above sea level, January 23, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	83.50	Dec 20	82.94



404636073270902 Local number N 11455. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°46'36.2", long 73°27'08.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 986 ft. Upper casing diameter 4 in; top of first opening 961 ft, bottom of last opening 981 ft.

DATUM.--Land-surface datum is 194.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft below land-surface datum.

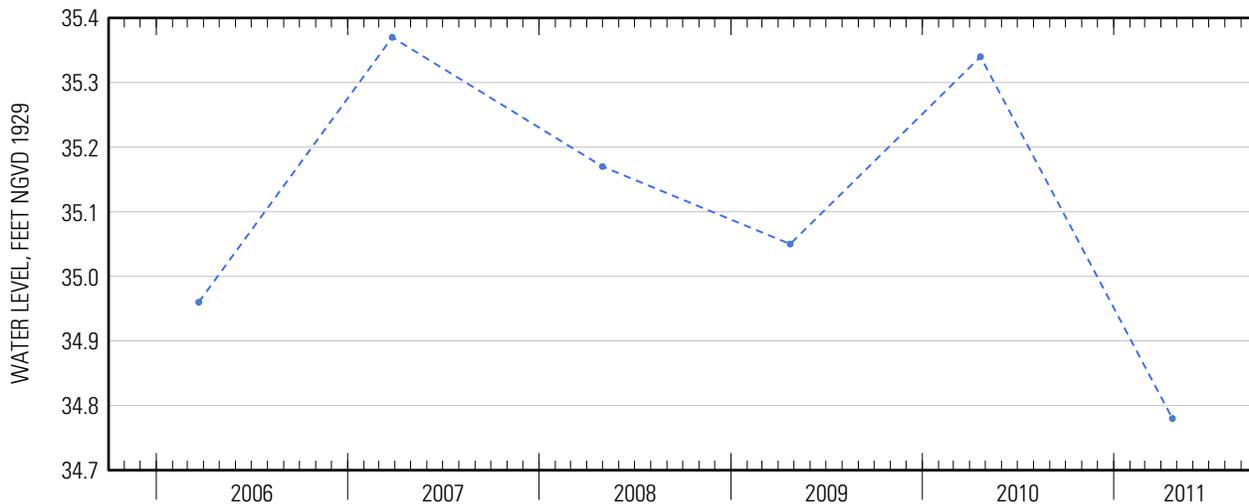
PERIOD OF RECORD.--April 1990, April 1993 to March 1998, and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.37 ft above sea level, March 26, 2007; lowest measured, 30.26 ft above sea level, May 15, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	34.78



Water-Data Report 2011

404705073394902 Local number N 7554. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'06.0", long 73°39'48.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Christopher Morley Park, 55 ft east of Searingtown Road, just north of main entrance to park, North Hills.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 464 ft. Upper casing diameter 6 in; top of first opening 454 ft, bottom of last opening 464 ft.

DATUM.--Land-surface datum is 190 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 5.57 ft above land-surface datum.

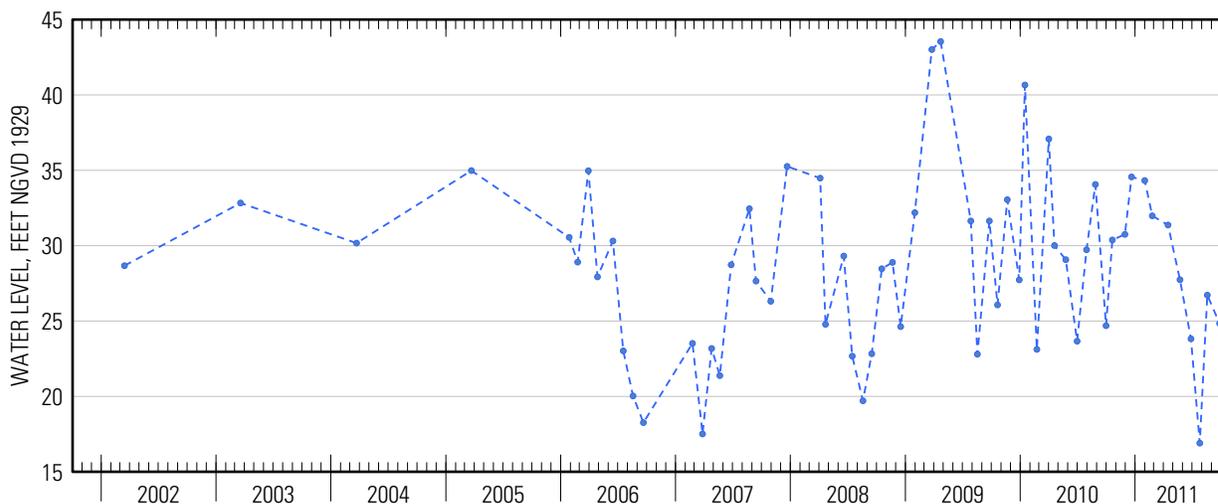
PERIOD OF RECORD.--March 1964 to January 2000 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.62 ft above sea level, April 28, 1965; lowest measured, 16.90 ft above sea level, July 25, 2011.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	30.38	May 23	27.74
Nov 29	30.75	Jun 27	23.82
Dec 20	34.56	Jul 25	16.90
Jan 31	34.32	Aug 18	26.72
Feb 24	31.98	Sep 26	24.84
Apr 15	31.37		



Water-Data Report 2011

404707073385003 Local number N 9711. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°47'08.3", long 73°38'48.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at east side of Jefferson Avenue, 340 ft north of Powerhouse Road, Roslyn Heights.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 146 ft. Upper casing diameter 4 in; top of first opening 137 ft, bottom of last opening 141 ft.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, at land-surface datum.

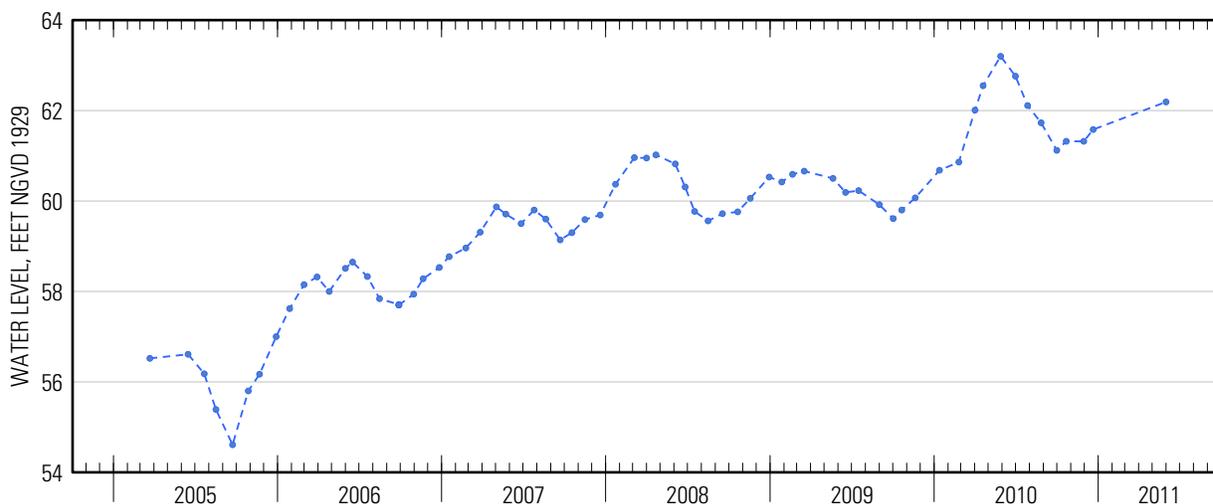
PERIOD OF RECORD.--December 1979 to April 1984, March 1990 to March 1998, and March 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.20 ft above sea level, May 28, 2010; lowest measured, 53.62 ft above sea level, September 15, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	61.32	Dec 20	61.58
Nov 29	61.32	May 31	62.19



Water-Data Report 2011

404708073433301 Local number N 12154. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'07.5", long 73°43'31.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 520 ft. Upper casing diameter 4 in; top of first opening 495 ft, bottom of last opening 515 ft.

DATUM.--Land-surface datum is 110 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.90 ft below land-surface datum.

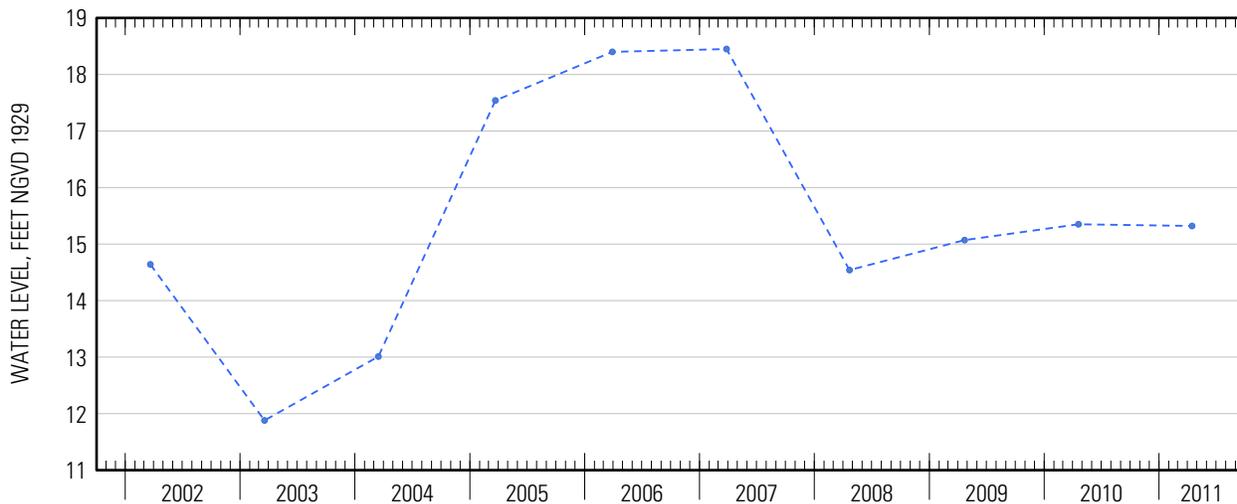
PERIOD OF RECORD.--March 1993 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.45 ft above sea level, March 27, 2007; lowest measured, 2.04 ft below sea level, August 24, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	15.32



Water-Data Report 2011

404713073410501 Local number N 1328. 2

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'13", long 73°41'05" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 746 ft. Upper casing diameter 50 in; top of first opening 652 ft, bottom of last opening 742 ft.

DATUM.--Land-surface datum is 182 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in pump base, 6.24 ft below land-surface datum.

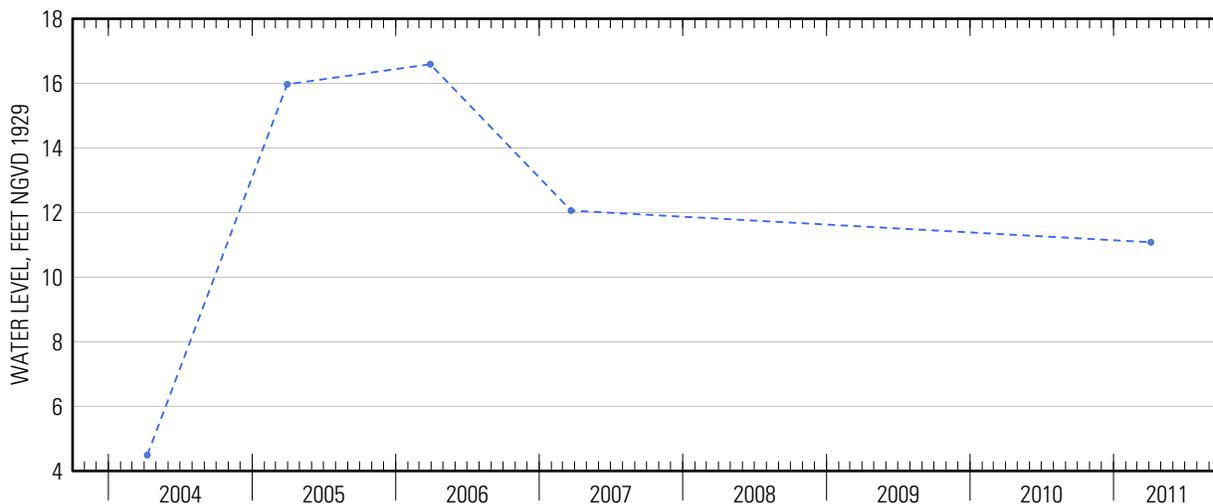
PERIOD OF RECORD.--January 1946 to February 1950, March 1952 to May 1957, December 1964, December 1970, January 1972 to December 1988, April 1990, March 1992, April 1994, and April 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft above sea level, March 29, 2006; lowest measured, 12.00 ft below sea level, July 29, 1955.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	11.08





Water-Data Report 2011

404713073445401 Local number N 9892. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°47'12.0", long 73°44'52.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 45 ft. Upper casing diameter 4 in; top of first opening 35 ft, bottom of last opening 45 ft.

DATUM.--Land-surface datum is 32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.

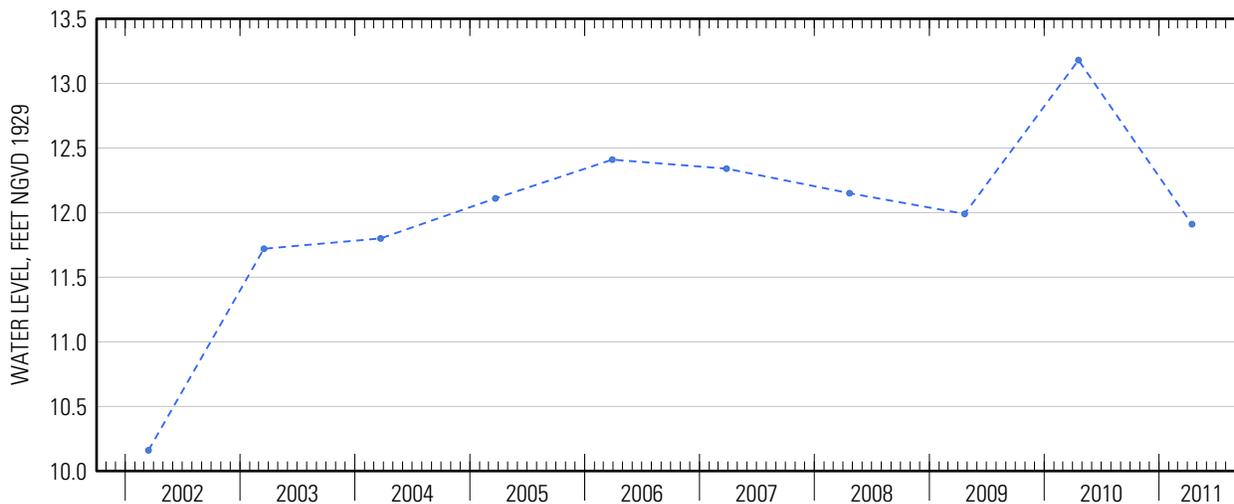
PERIOD OF RECORD.--March 1983, November 1991 to March 1999, and March 2001 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.18 ft above sea level, April 19, 2010; lowest measured, 9.27 ft above sea level, September 30, 1993.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	11.91



Water-Data Report 2011

404715073395501 Local number N 12523. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'03.8", long 73°39'47.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 788 ft. Upper casing diameter 4 in; top of first opening 748 ft, bottom of last opening 768 ft.

DATUM.--Land-surface datum is 188 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.46 ft below land-surface datum.

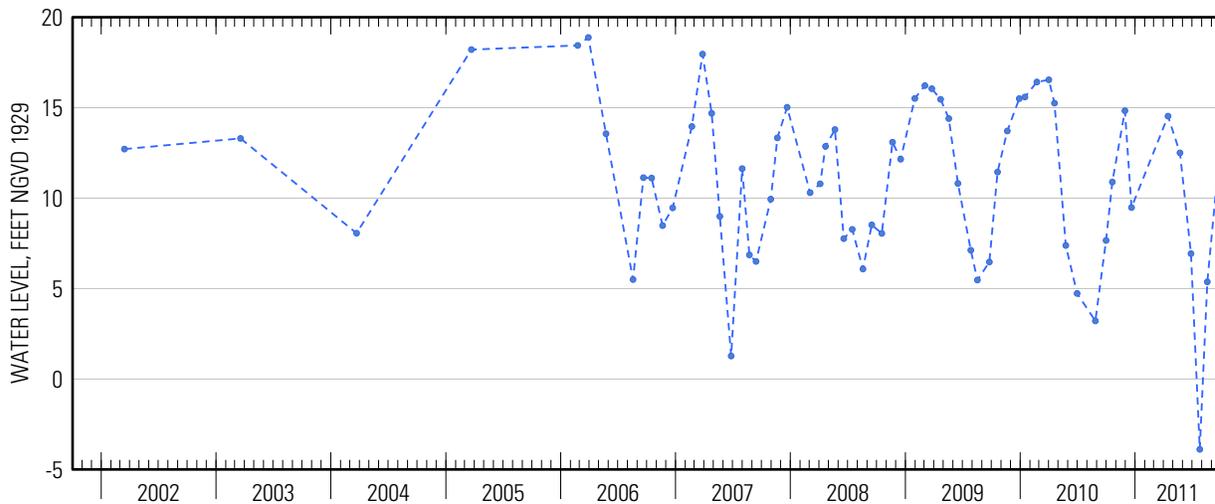
PERIOD OF RECORD.--June 1995 to March 1998 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.88 ft above sea level, March 29, 2006; lowest measured, 3.89 ft below sea level, July 25, 2011.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	10.89	Jun 27	6.93
Nov 29	14.83	Jul 25	-3.89
Dec 20	9.48	Aug 18	5.37
Apr 15	14.53	Sep 26	12.55
May 23	12.50		



404735073424101 Local number N 9308. 2

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'35", long 73°42'40" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 410 ft. Upper casing diameter 20 in; top of first opening 307 ft, bottom of last opening 410 ft.

DATUM.--Land-surface datum is 15.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in steel nipple, 1.51 ft above land-surface datum.

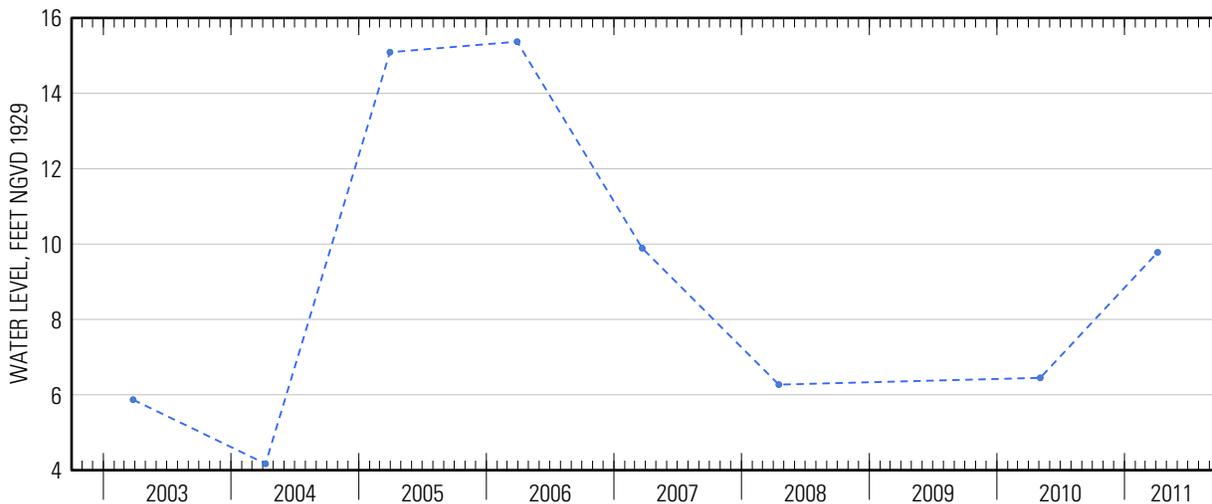
PERIOD OF RECORD.--November 1981 to December 1988, April 1990 to April 1995, and March 2003 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.37 ft above sea level, March 29, 2006; lowest measured, 0.46 ft below sea level, April 11, 1991.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	9.78



Water-Data Report 2011

404740073285701 Local number N 9089. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'19.2", long 73°28'56.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at west side of Cherry Drive, 63 ft south of Northern State Parkway, Plainview.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 178 ft. Upper casing diameter 4 in; top of first opening 173 ft, bottom of last opening 178 ft.

DATUM.--Land-surface datum is 173 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.02 ft below land-surface datum.

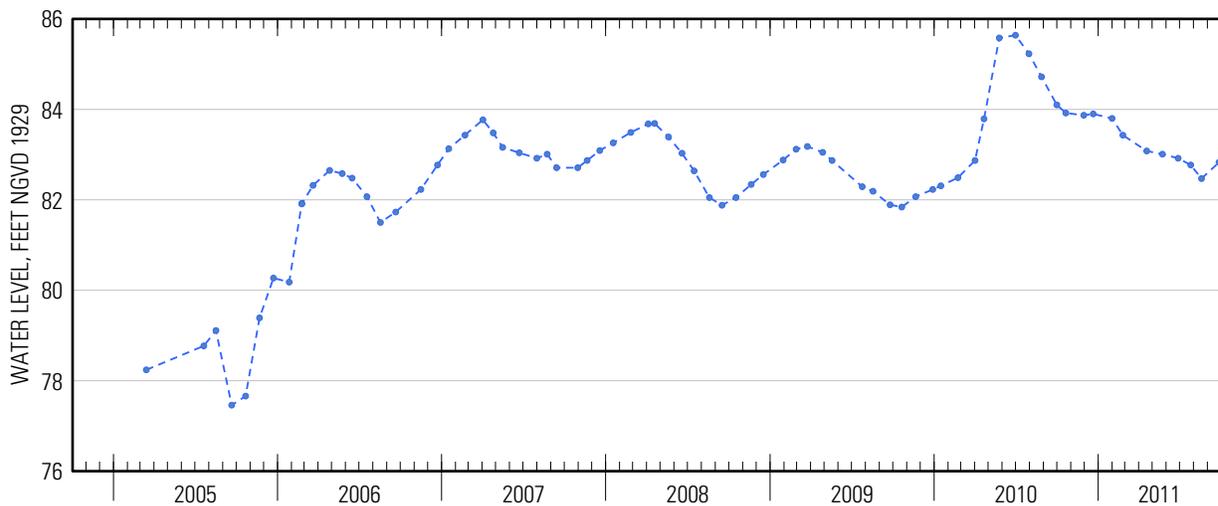
PERIOD OF RECORD.--December 1975 to May 1984, March 1990 to March 1989, and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.90 ft above sea level, May 31, 1979; lowest measured, 73.28 ft above sea level, September 19, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	83.92	May 23	83.01
Nov 29	83.87	Jun 27	82.92
Dec 20	83.90	Jul 25	82.77
Jan 31	83.80	Aug 18	82.47
Feb 24	83.43	Sep 26	82.83
Apr 18	83.08		





Water-Data Report 2011

404741073381401 Local number N 11574. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'41.8", long 73°38'12.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Nassau County Recharge Basin #431, 88 ft north of Red Ground Road, and 180 ft east of Entrance Road, northwestern most well, East Hills.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 785 ft. Upper casing diameter 4 in; top of first opening 760 ft, bottom of last opening 780 ft.

DATUM.--Land-surface datum is 223 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.45 ft below land-surface datum.

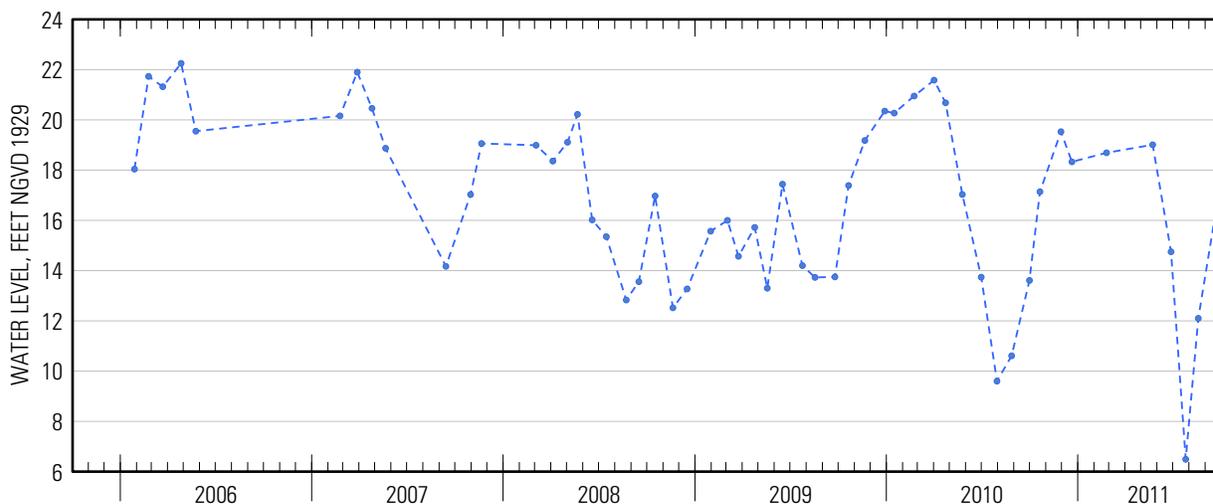
PERIOD OF RECORD.--April 1992 to September 1997, March 2004, and January 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.55 ft above sea level, November 6, 1992; lowest measured, 4.09 ft above sea level, June 13, 1994.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	17.14	Jun 27	14.75
Nov 29	19.53	Jul 25	6.49
Dec 20	18.33	Aug 18	12.10
Feb 24	18.69	Sep 26	17.08
May 23	19.01		





Water-Data Report 2011

404741073381402 Local number N 11732. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'41.8", long 73°38'12.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Nassau County Recharge Basin #431, 89 ft north of Red Ground Road, and 206 ft east of Entrance Road, northeastern most well, East Hills.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 448 ft. Upper casing diameter 4 in; top of first opening 423 ft, bottom of last opening 443 ft.

DATUM.--Land-surface datum is 224 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.64 ft below land-surface datum.

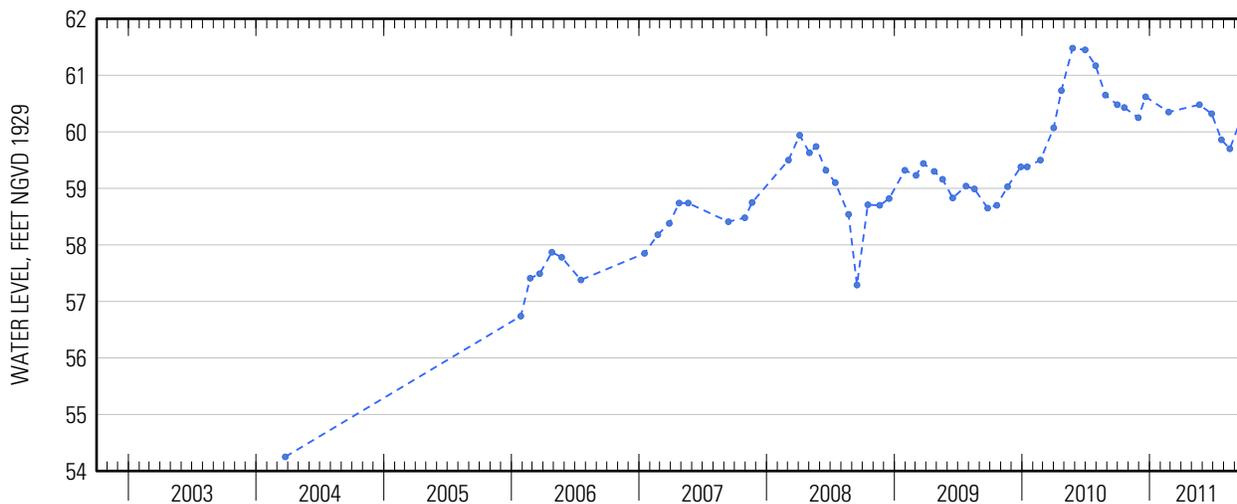
PERIOD OF RECORD.--September 1991 to September 1997 and April 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.48 ft above sea level, May 25, 2010; lowest measured, 52.72 ft above sea level, September 11, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	60.43	Jun 27	60.32
Nov 29	60.25	Jul 25	59.86
Dec 20	60.62	Aug 18	59.70
Feb 24	60.35	Sep 26	60.34
May 23	60.48		



Water-Data Report 2011

404742073410301 Local number N 8309. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°47'41.4", long 73°41'02.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at east side of Manhasset Woods Road, 73 ft north of Northern Boulevard, Munsey Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 199 ft. Upper casing diameter 4 in; top of first opening 194 ft, bottom of last opening 199 ft.

DATUM.--Land-surface datum is 143.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.

PERIOD OF RECORD.--March 1967 to December 1998 and February 2002 to current year. Unpublished records for March 1940 to March 1967 are available in the files of the U.S. Geological Survey.

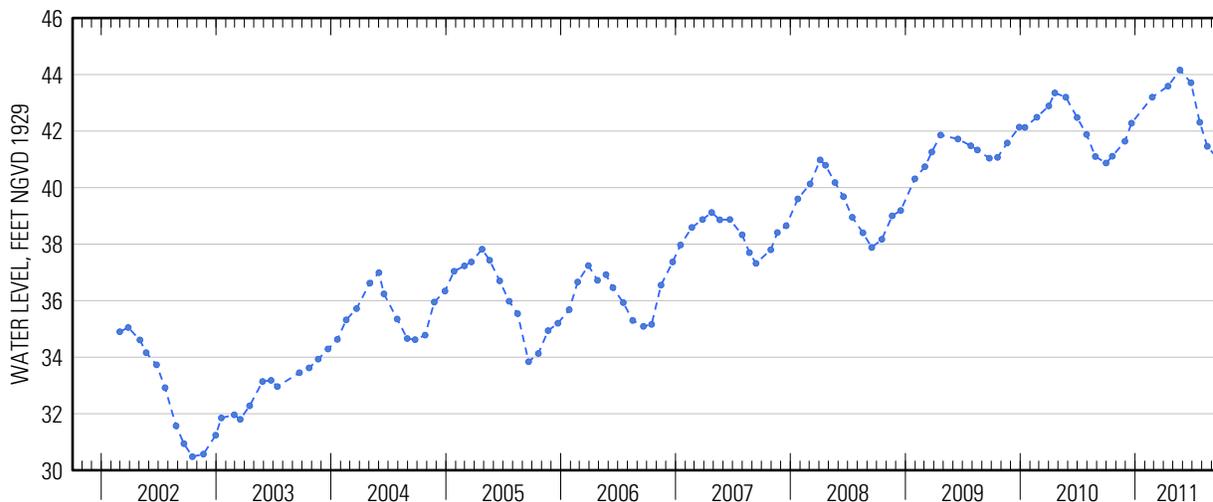
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1121.2 in March 1967 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.16 ft above sea level, May 23, 2011; lowest measured, 30.48 ft above sea level, October 17, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	41.11	May 23	44.16
Nov 29	41.64	Jun 27	43.71
Dec 20	42.28	Jul 25	42.31
Feb 24	43.20	Aug 18	41.46
Apr 15	43.59	Sep 26	40.94



Water-Data Report 2011

404757073440401 Local number N 9099. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°47'57", long 73°44'04" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201, at northwest corner of Middle Neck Road and Preston Road, Great Neck.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 71 ft. Upper casing diameter 4 in; top of first opening 66 ft, bottom of last opening 71 ft.

DATUM.--Land-surface datum is 60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.37 ft below land-surface datum.

PERIOD OF RECORD.--April 1976 to January 2000 and March 2002 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, 30.04 ft above sea level, June 24, 27, and 28, 2010; lowest recorded, 14.90 ft above sea level, November 26, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 28.59 ft above sea level, October 1; lowest recorded, 26.74 ft above sea level, March 2, 3, 4, and 8.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	28.36	Apr 27	27.49
Nov 29	27.72	May 23	27.77
Dec 20	27.51	Jul 25	27.85
Feb 16	26.89	Aug 17	27.76
Mar 22	27.03	Sep 26	28.47

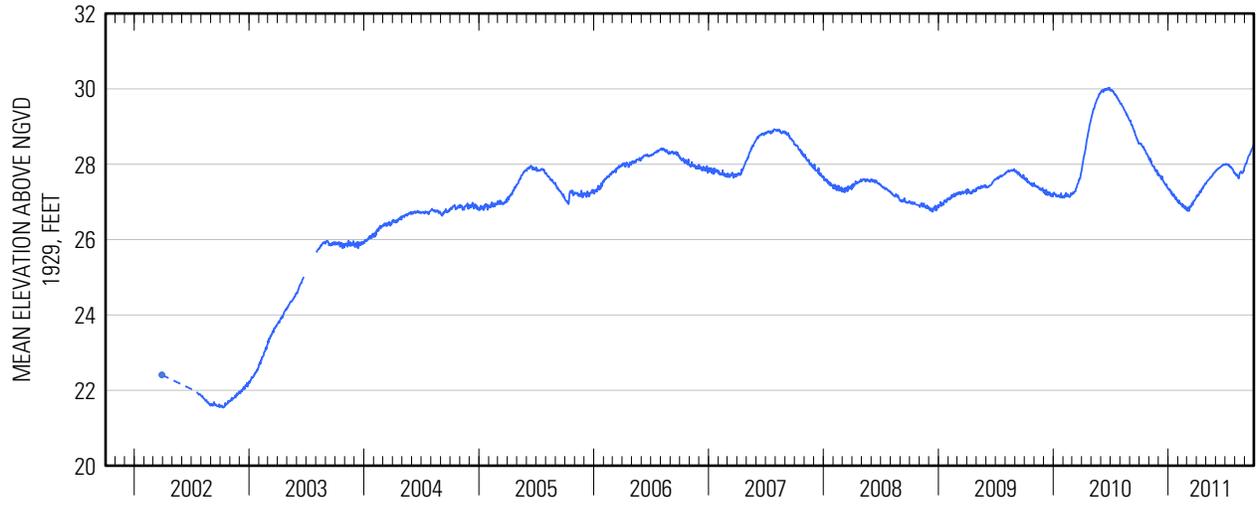
404757073440401 Local number N 9099. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28.55	28.12	27.76	27.35	27.01	26.78	27.16	27.48	27.83	27.98	27.77	27.94
2	28.54	28.11	27.70	27.35	27.04	26.80	27.16	27.51	27.83	27.99	27.76	27.96
3	28.54	28.12	27.70	27.32	26.97	26.76	27.14	27.53	27.84	28.01	27.74	27.99
4	28.54	28.16	27.71	27.34	26.98	26.77	27.19	27.54	27.85	28.01	27.71	28.01
5	28.54	28.10	27.70	27.31	27.03	26.81	27.19	27.55	27.85	28.00	27.70	28.02
6	28.55	28.05	27.70	27.31	26.96	26.86	27.16	27.56	27.86	28.00	27.71	28.01
7	28.54	28.05	27.67	27.32	26.97	26.81	27.17	27.57	27.88	27.99	27.73	28.04
8	28.51	28.09	27.64	27.29	26.97	26.76	27.19	27.58	27.88	28.00	27.71	28.07
9	28.49	28.02	27.61	27.25	26.94	26.78	27.22	27.59	27.89	27.99	27.69	28.11
10	28.49	27.99	27.60	27.23	26.93	26.85	27.23	27.59	27.88	27.97	27.67	28.13
11	28.47	27.97	27.60	27.24	26.92	26.88	27.28	27.60	27.89	27.99	27.65	28.16
12	28.47	27.96	27.68	27.27	26.93	26.89	27.25	27.61	27.90	28.00	27.63	28.19
13	28.44	27.96	27.67	27.19	26.92	26.88	27.28	27.63	27.91	27.98	27.62	28.21
14	28.45	27.95	27.59	27.18	26.95	26.87	27.28	27.64	27.91	27.95	27.65	28.23
15	28.46	27.94	27.57	27.20	26.87	26.88	27.26	27.66	27.92	27.94	27.73	28.24
16	28.40	27.93	27.56	27.17	26.89	26.94	27.33	27.65	27.92	27.93	27.76	28.24
17	28.40	27.94	27.53	27.15	26.89	26.94	27.33	27.65	27.93	27.92	27.77	28.26
18	28.38	27.89	27.52	27.21	26.92	26.97	27.32	27.66	27.94	27.94	27.79	28.28
19	28.37	27.86	27.52	27.17	26.87	26.93	27.35	27.68	27.95	27.93	27.80	28.31
20	28.36	27.86	27.50	27.14	26.85	26.92	27.38	27.69	27.95	27.91	27.79	28.33
21	28.35	27.82	27.48	27.16	26.88	27.00	27.36	27.70	27.96	27.91	27.80	28.34
22	28.30	27.84	27.48	27.12	26.83	27.00	27.37	27.70	27.97	27.90	27.79	28.37
23	28.29	27.85	27.46	27.09	26.82	27.03	27.42	27.74	27.98	27.88	27.76	28.39
24	28.28	27.80	27.44	27.07	26.83	27.03	27.42	27.75	27.99	27.86	27.77	28.40
25	28.28	27.80	27.43	27.09	26.88	27.03	27.43	27.75	27.98	27.86	27.78	28.42
26	28.26	27.84	27.47	27.12	26.81	27.04	27.45	27.77	27.98	27.86	27.77	28.44
27	28.24	27.77	27.45	27.08	26.81	27.06	27.46	27.77	27.98	27.82	27.80	28.45
28	28.22	27.73	27.40	27.06	26.84	27.07	27.49	27.78	28.00	27.79	27.83	28.48
29	28.20	27.71	27.38	27.04	---	27.08	27.49	27.79	27.99	27.80	27.82	28.51
30	28.20	27.73	27.36	27.02	---	27.10	27.48	27.80	27.99	27.77	27.88	28.52
31	28.17	---	27.36	27.00	---	27.13	---	27.80	---	27.76	27.92	---
Mean	28.40	27.93	27.56	27.19	26.91	26.92	27.31	27.66	27.92	27.92	27.75	28.23
Max	28.55	28.16	27.76	27.35	27.04	27.13	27.49	27.80	28.00	28.01	27.92	28.52
Min	28.17	27.71	27.36	27.00	26.81	26.76	27.14	27.48	27.83	27.76	27.62	27.94
Med	28.40	27.94	27.56	27.18	26.92	26.92	27.30	27.65	27.92	27.94	27.76	28.24

	Calendar Year 2010	Water Year 2011
Mean	28.50	27.65
Max	30.03	28.55
Min	27.11	26.76
Med	28.46	27.71

404757073440401 Local number N 9099. 1—Continued





Water-Data Report 2011

404800073371201 Local number N 1155. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'00", long 73°37'12" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201, at south side of Tally Road, 1700 ft east of Glen Cove Road, Wheatley.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 230 ft. Upper casing diameter 4 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 261 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.77 ft below land-surface datum.

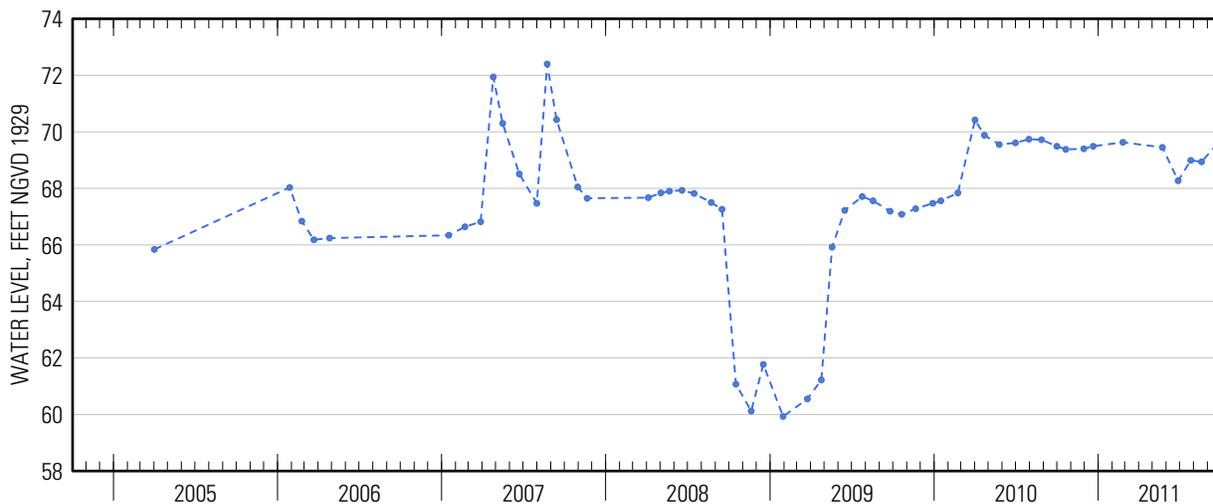
PERIOD OF RECORD.--March 1941 to May 1984, March 1990 to March 1998, and April 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.58 ft above sea level, November 3, 1949; lowest measured, 59.60 ft above sea level, September 25, 1968.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	69.38	Jun 27	68.27
Nov 29	69.40	Jul 25	68.99
Dec 20	69.49	Aug 18	68.94
Feb 24	69.63	Sep 26	69.64
May 23	69.45		





Water-Data Report 2011

404805073401001 Local number N 9906.1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°48'03.0", long 73°40'06.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 125 ft. Upper casing diameter 6 in; top of first opening 95 ft, bottom of last opening 125 ft.

DATUM.--Land-surface datum is 168 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.42 ft below land-surface datum.

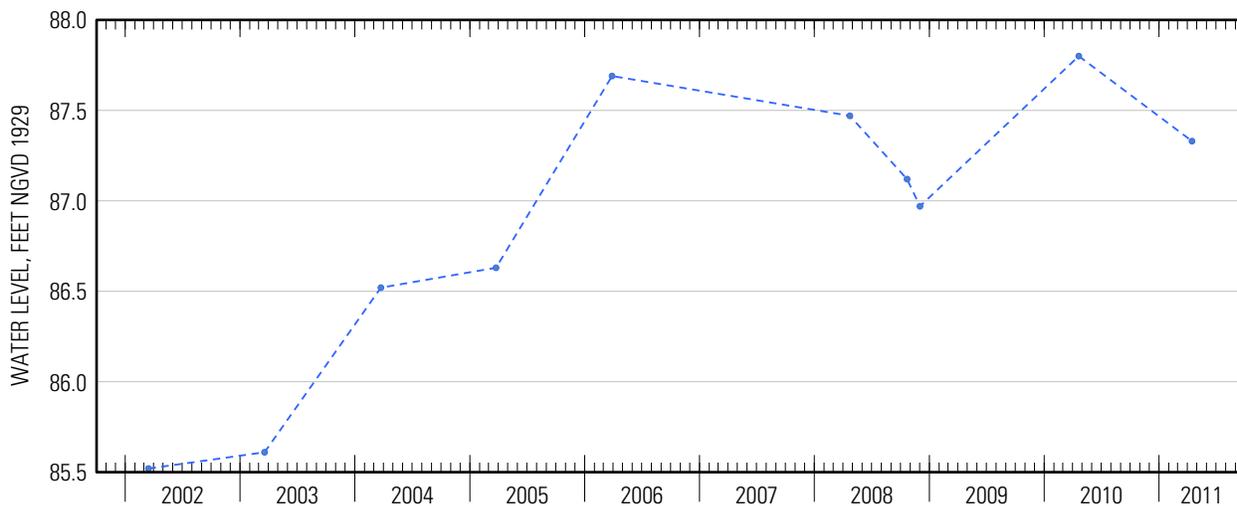
PERIOD OF RECORD.--November 1991 to March 1997 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.80 ft above sea level, April 20, 2010; lowest measured, 84.68 ft above sea level, December 5, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	87.33



404806073411101 Local number N 12191. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'06", long 73°41'11" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 677 ft. Upper casing diameter 4 in; top of first opening 654 ft, bottom of last opening 674 ft.

DATUM.--Land-surface datum is 204.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.55 ft below land-surface datum.

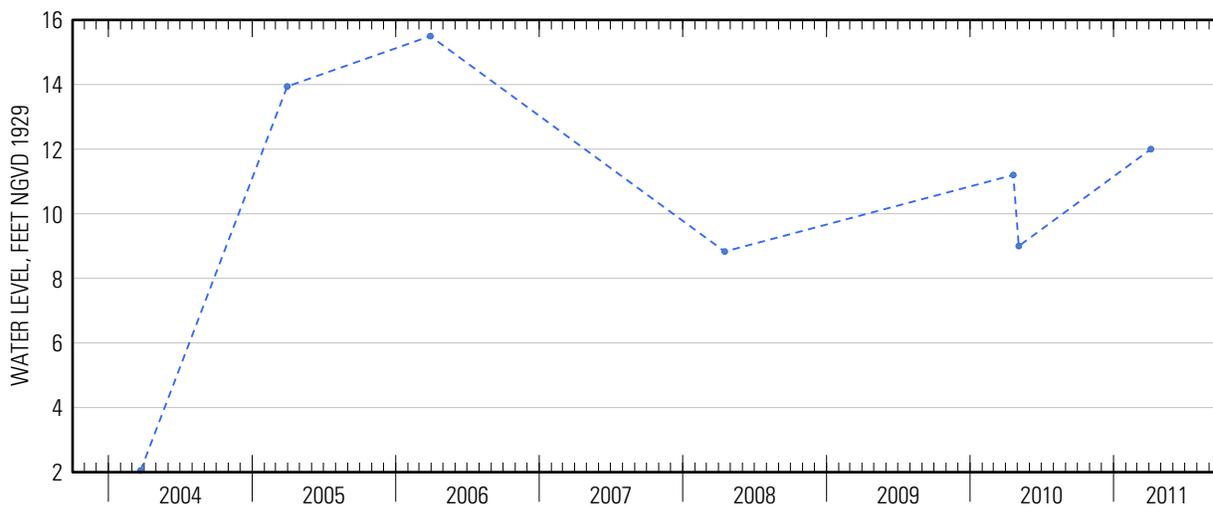
PERIOD OF RECORD.--June 1993 to March 1997 and March 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft above sea level, March 29, 2006; lowest measured, 11.41 ft below sea level, September 11, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	12.00



404817073413501 Local number N 9902. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°48'15.9", long 73°41'32.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 100 ft. Upper casing diameter 6 in; top of first opening 80 ft, bottom of last opening 100 ft.

DATUM.--Land-surface datum is 133 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.36 ft above land-surface datum.

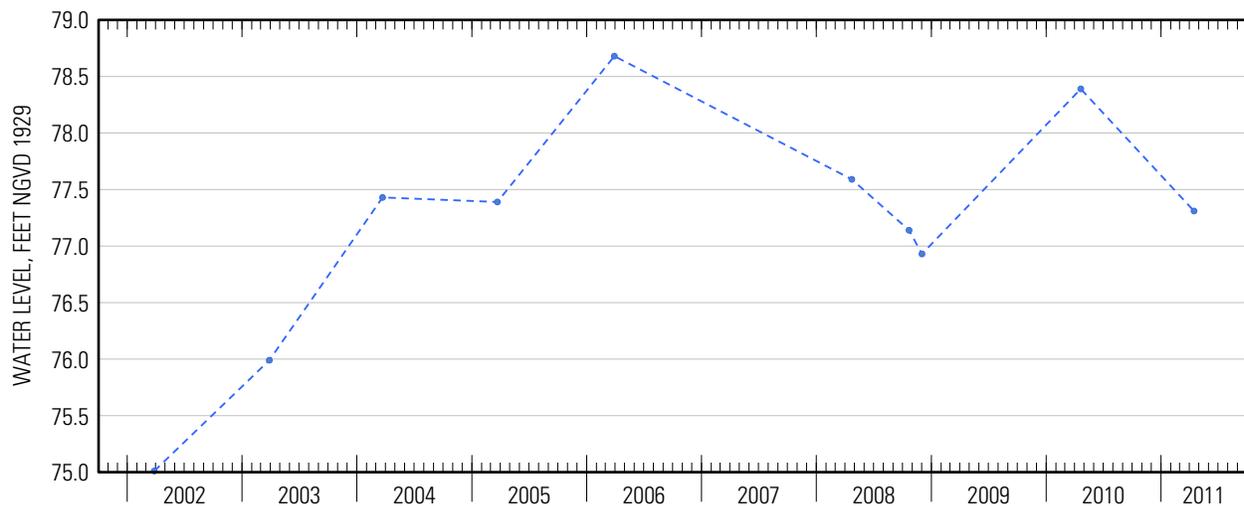
PERIOD OF RECORD.--April 1994 to March 1997, and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.68 ft above sea level, March 29, 2006; lowest measured, 73.69 ft above sea level, December 5, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	77.31



Water-Data Report 2011

404818073293001 Local number N 11453. 1

Northern Atlantic Coastal Plain aquifer system
Port Washington Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'18.7", long 73°29'28.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 865 ft. Upper casing diameter 4 in; top of first opening 840 ft, bottom of last opening 860 ft.

DATUM.--Land-surface datum is 207.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft below land-surface datum.

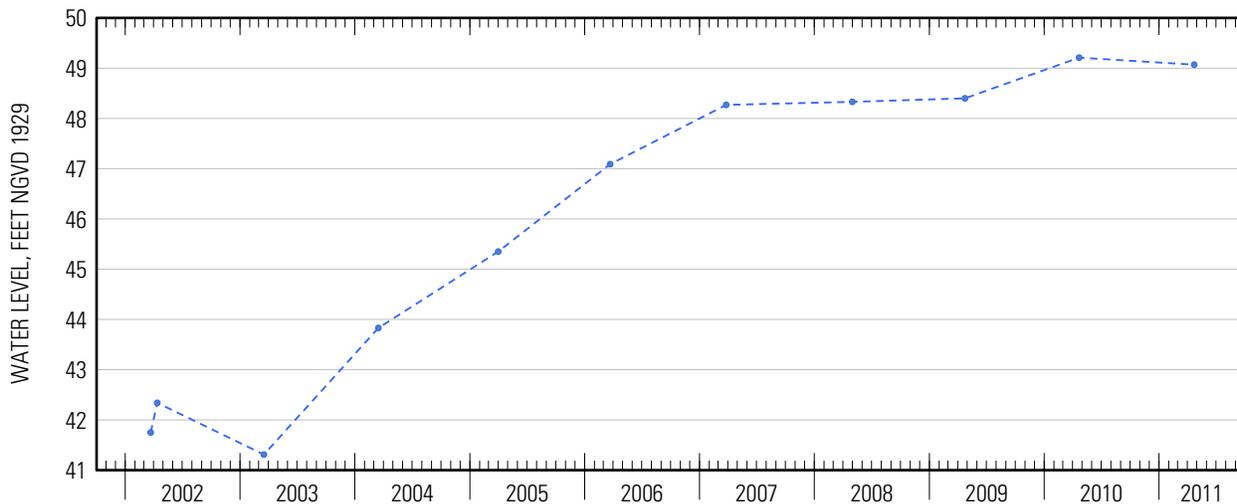
PERIOD OF RECORD.--March 1991 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.21 ft above sea level, April 21, 2010; lowest measured, 37.21 ft above sea level, September 19, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	49.07





Water-Data Report 2011

404818073293101 Local number N 11454. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'18", long 73°29'31" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at west side of Park Drive East, just south of Debra Place, in recharge basin #427, Locust Grove.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 595 ft. Upper casing diameter 4 in; top of first opening 570 ft, bottom of last opening 590 ft.

DATUM.--Land-surface datum is 207.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.01 ft below land-surface datum.

PERIOD OF RECORD.--March 1991 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, 82.51 ft above sea level, March 20, 1991; lowest recorded, 69.74 ft above sea level, October 10, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 81.74 ft above sea level, December 26; lowest recorded, 80.75 ft above sea level, March 3.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	81.36	Jan 25	81.25
Nov 23	81.45	Feb 16	81.05
Dec 15	81.37	Mar 22	81.16

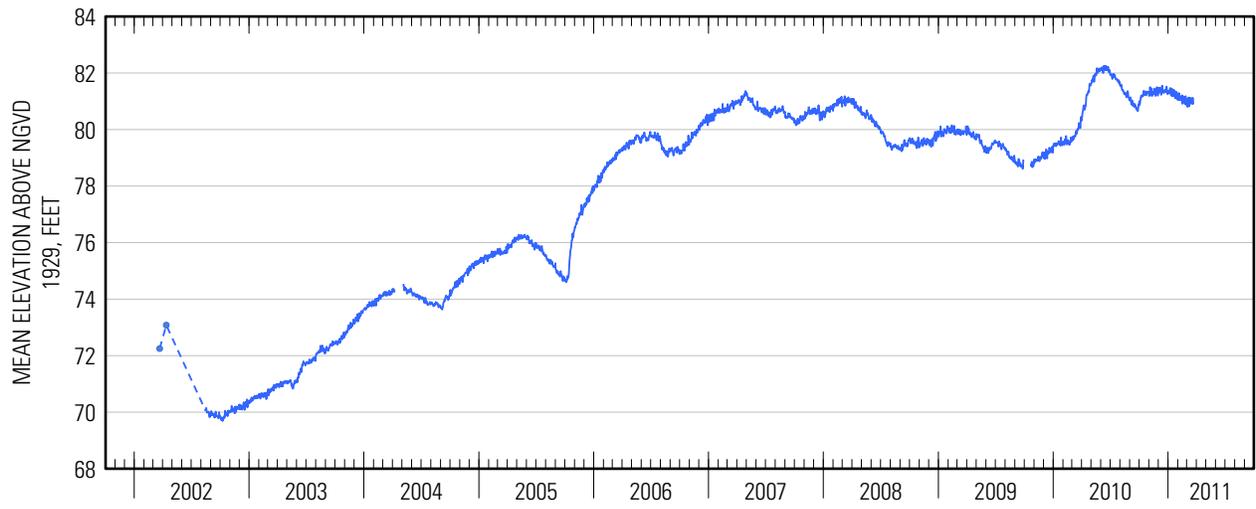
404818073293101 Local number N 11454. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	81.00	81.19	81.48	81.32	81.16	80.86	---	---	---	---	---	---
2	80.88	81.23	81.31	81.37	81.29	80.96	---	---	---	---	---	---
3	80.93	81.34	81.37	81.28	81.05	80.80	---	---	---	---	---	---
4	81.03	81.50	81.43	81.37	81.12	80.86	---	---	---	---	---	---
5	81.10	81.39	81.45	81.38	81.28	80.99	---	---	---	---	---	---
6	81.16	81.20	81.48	81.42	81.14	81.13	---	---	---	---	---	---
7	81.20	81.27	81.42	81.47	81.12	81.04	---	---	---	---	---	---
8	81.14	81.45	81.30	81.42	81.18	80.82	---	---	---	---	---	---
9	81.16	81.32	81.23	81.26	81.03	80.87	---	---	---	---	---	---
10	81.21	81.26	81.24	81.20	81.10	81.05	---	---	---	---	---	---
11	81.22	81.19	81.32	81.27	81.05	81.13	---	---	---	---	---	---
12	81.23	81.24	81.55	81.45	81.12	81.07	---	---	---	---	---	---
13	81.18	81.32	81.55	81.20	81.07	81.00	---	---	---	---	---	---
14	81.29	81.33	81.37	81.19	81.21	80.92	---	---	---	---	---	---
15	81.37	81.34	81.34	81.30	80.91	80.92	---	---	---	---	---	---
16	81.23	81.35	81.34	81.26	81.00	81.09	---	---	---	---	---	---
17	81.25	81.45	81.30	81.17	81.06	81.04	---	---	---	---	---	---
18	81.24	81.27	81.29	81.41	81.17	81.12	---	---	---	---	---	---
19	81.26	81.24	81.36	81.34	81.09	80.96	---	---	---	---	---	---
20	81.29	81.30	81.40	81.23	80.97	80.90	---	---	---	---	---	---
21	81.35	81.19	81.40	81.37	81.08	81.13	---	---	---	---	---	---
22	81.21	81.32	81.41	81.22	80.94	---	---	---	---	---	---	---
23	81.22	81.43	81.39	81.19	80.91	---	---	---	---	---	---	---
24	81.27	81.30	81.33	81.10	80.98	---	---	---	---	---	---	---
25	81.34	81.34	81.36	81.24	81.18	---	---	---	---	---	---	---
26	81.32	81.50	81.52	81.34	80.89	---	---	---	---	---	---	---
27	81.33	81.37	81.51	81.29	80.98	---	---	---	---	---	---	---
28	81.34	81.20	81.31	81.24	81.07	---	---	---	---	---	---	---
29	81.29	81.21	81.27	81.20	---	---	---	---	---	---	---	---
30	81.33	81.31	81.25	81.14	---	---	---	---	---	---	---	---
31	81.33	---	81.29	81.05	---	---	---	---	---	---	---	---
Mean	81.22	81.31	81.37	81.28	81.08	80.98	---	---	---	---	---	---
Max	81.37	81.50	81.55	81.47	81.29	81.13	---	---	---	---	---	---
Min	80.88	81.19	81.23	81.05	80.89	80.80	---	---	---	---	---	---
Med	81.23	81.31	81.36	81.27	81.08	80.99	---	---	---	---	---	---

	Calendar Year 2010	Water Year 2011
Mean	81.01	81.22
Max	82.25	81.55
Min	79.41	80.80
Med	81.26	81.24

404818073293101 Local number N 11454. 1—Continued



404821073430501 Local number N 10192. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'22.2", long 73°43'03.1" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at west side of East Shore Road, just south of driveway to house #375, Kings Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 352 ft. Upper casing diameter 4 in; top of first opening 343 ft, bottom of last opening 348 ft.

DATUM.--Land-surface datum is 24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.65 ft below land-surface datum.

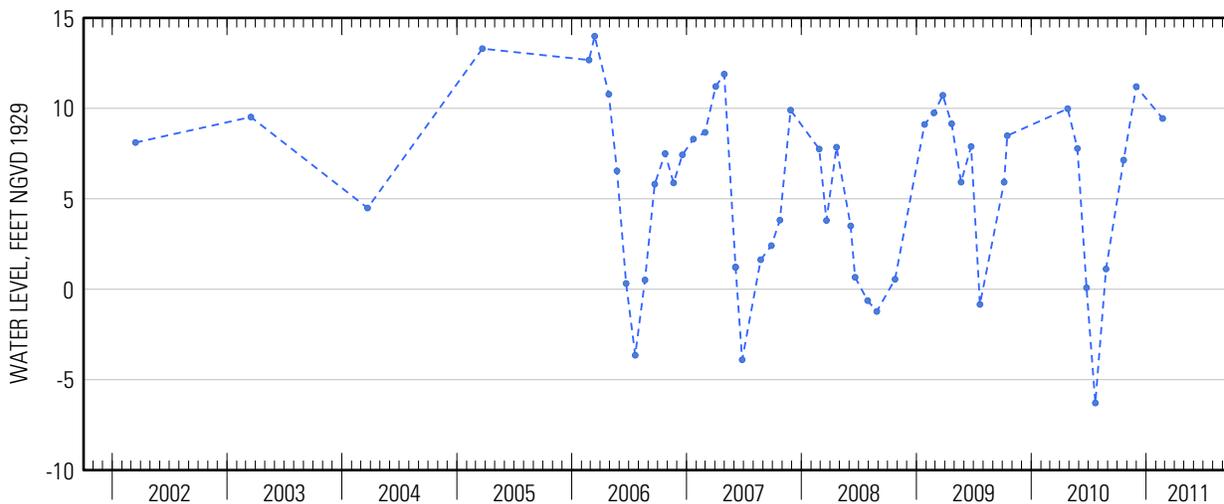
PERIOD OF RECORD.--January 1985, January 1987 to December 1988, March 1990 to March 1998, and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.99 ft above sea level, March 14, 2006; lowest measured, 13.33 ft below sea level, September 10, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	7.14	Feb 22	9.44
Nov 30	11.20		





Water-Data Report 2011

404823073265901 Local number N 10607. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'21.9", long 73°26'58.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 218 ft. Upper casing diameter 4 in; top of first opening 210 ft, bottom of last opening 215 ft.

DATUM.--Land-surface datum is 260.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.44 ft below land-surface datum.

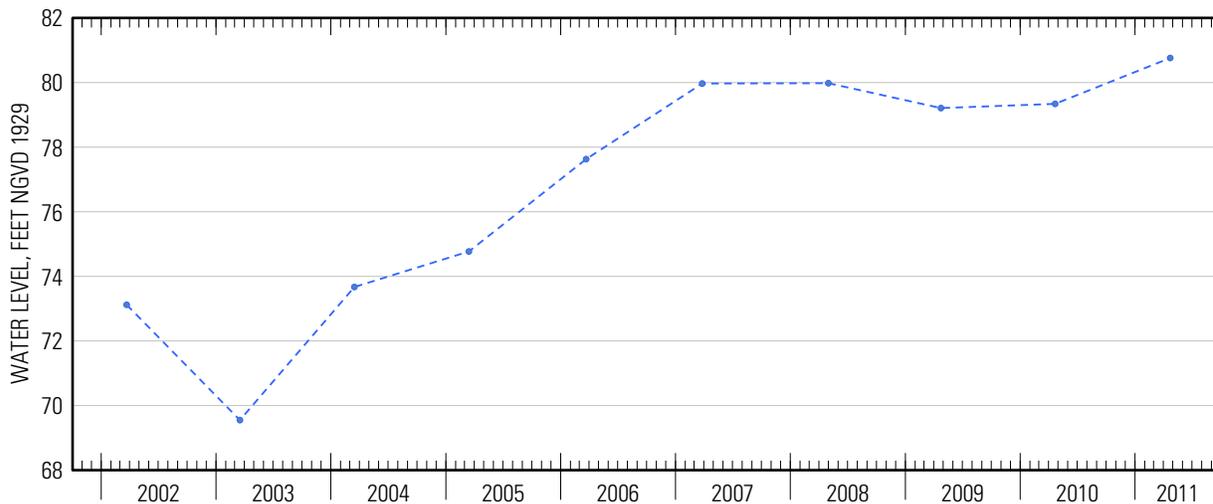
PERIOD OF RECORD.--March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.09 ft above sea level, March 20, 1991; lowest measured, 69.55 ft above sea level, March 17, 2003.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	80.76





Water-Data Report 2011

404832073333203 Local number N 9059. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'32.5", long 73°33'28.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 175 ft. Upper casing diameter 4 in; top of first opening 170 ft, bottom of last opening 175 ft.

DATUM.--Land-surface datum is 228 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.24 ft above land-surface datum.

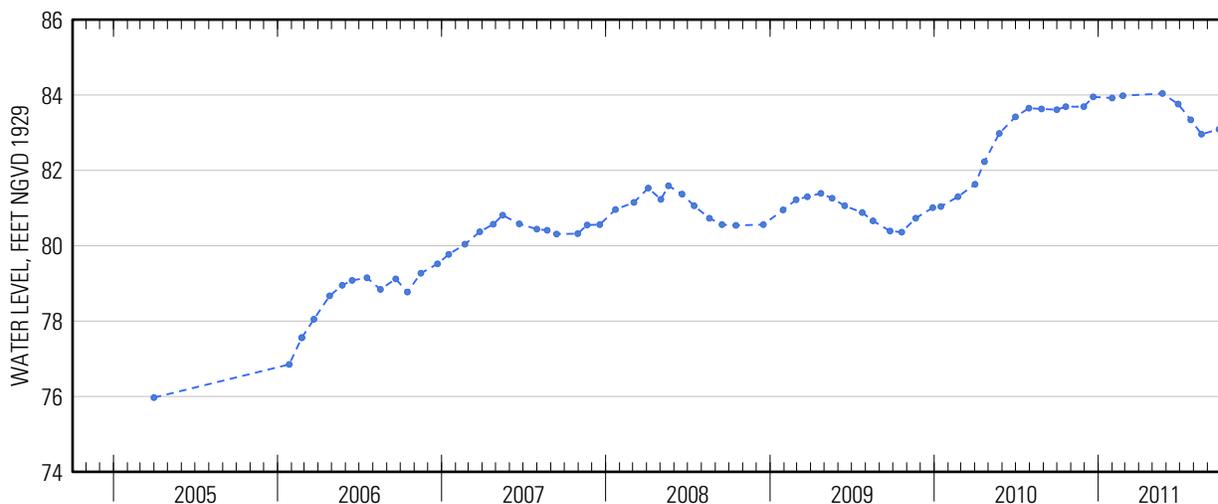
PERIOD OF RECORD.--October 1974 to April 1984, March 1990 to January 2000, and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.84 ft above sea level, December 5, 1979; lowest measured, 73.82 ft above sea level, March 20, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	83.69	May 23	84.04
Nov 29	83.69	Jun 27	83.76
Dec 20	83.95	Jul 25	83.34
Jan 31	83.92	Aug 18	82.96
Feb 24	83.98	Sep 26	83.09





Water-Data Report 2011

404835073404004 Local number N 1120. 4

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°48'35.2", long 73°40'37.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at northwest corner of Port Washington Blvd and Bonnie Heights Road, Flower Hill.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 100 ft. Upper casing diameter 4 in; top of first opening 95 ft, bottom of last opening 100 ft.

DATUM.--Land-surface datum is 116.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.35 ft below land-surface datum.

PERIOD OF RECORD.--March 1976 to April 1984 and January 2000 to current year.

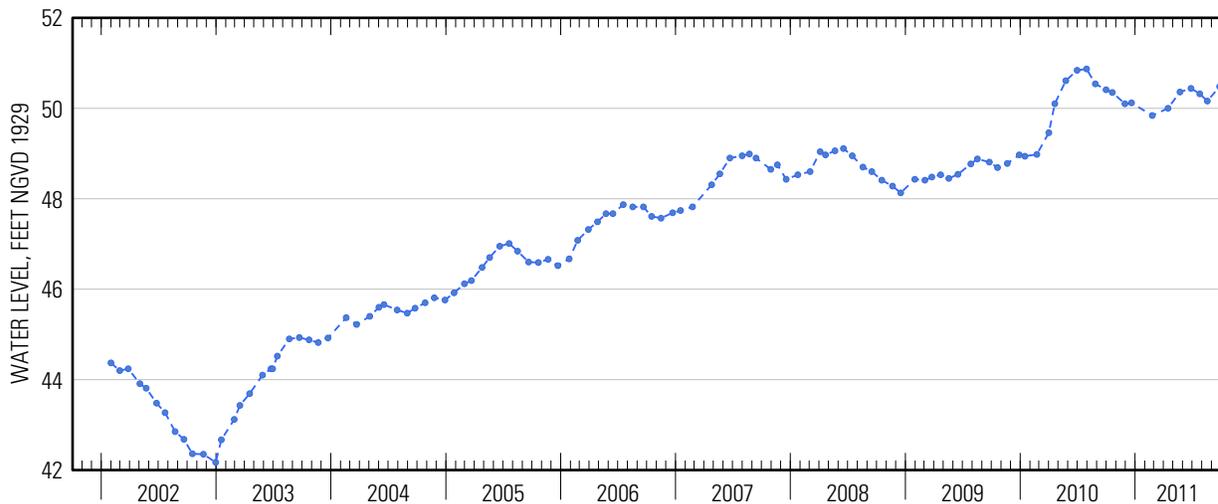
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1120.3 in March 1976 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.65 ft above sea level, March 16, 1976; lowest measured, 42.17 ft above sea level, December 30, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	50.35	May 23	50.36
Nov 29	50.10	Jun 27	50.44
Dec 20	50.12	Jul 25	50.32
Feb 24	49.84	Aug 18	50.16
Apr 15	50.00	Sep 26	50.48



Water-Data Report 2011

404838073404202 Local number N 9809. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°48'38", long 73°40'42" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 527 ft. Upper casing diameter 20 in; top of first opening 438 ft, bottom of last opening 524 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of steel nipple, 6.53 ft below land-surface datum.

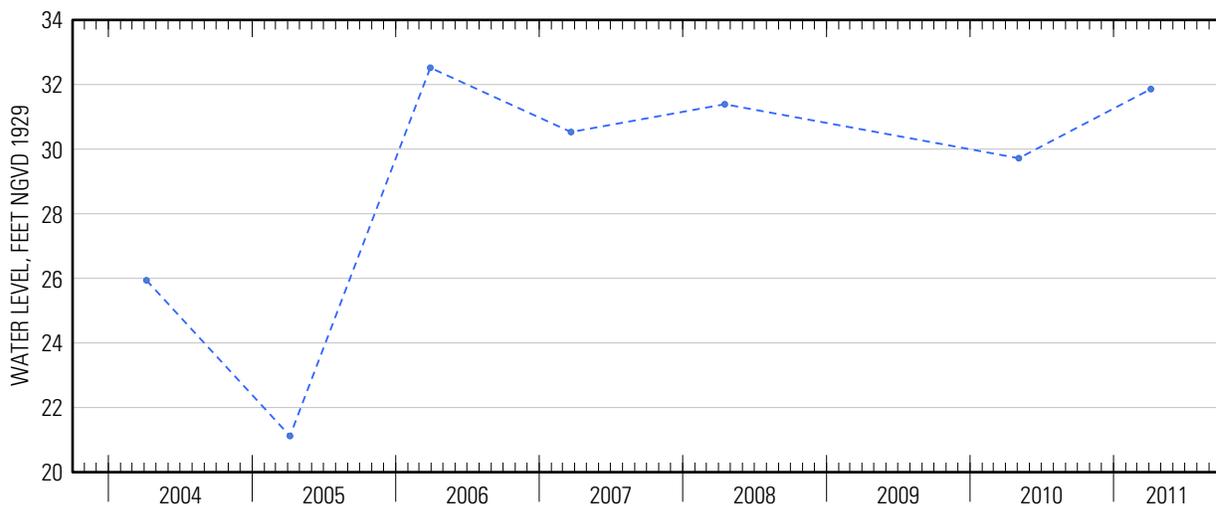
PERIOD OF RECORD.--January 1984 to December 1988, April 1991 to April 1994, and April 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.52 ft above sea level, March 29, 2006; lowest measured, 21.12 ft above sea level, April 6, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	31.86





Water-Data Report 2011

404853073454301 Local number N 12076. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°48'53.9", long 73°45'41.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 320 ft. Upper casing diameter 4 in; top of first opening 240 ft, bottom of last opening 260 ft.

DATUM.--Land-surface datum is 65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft below land-surface datum.

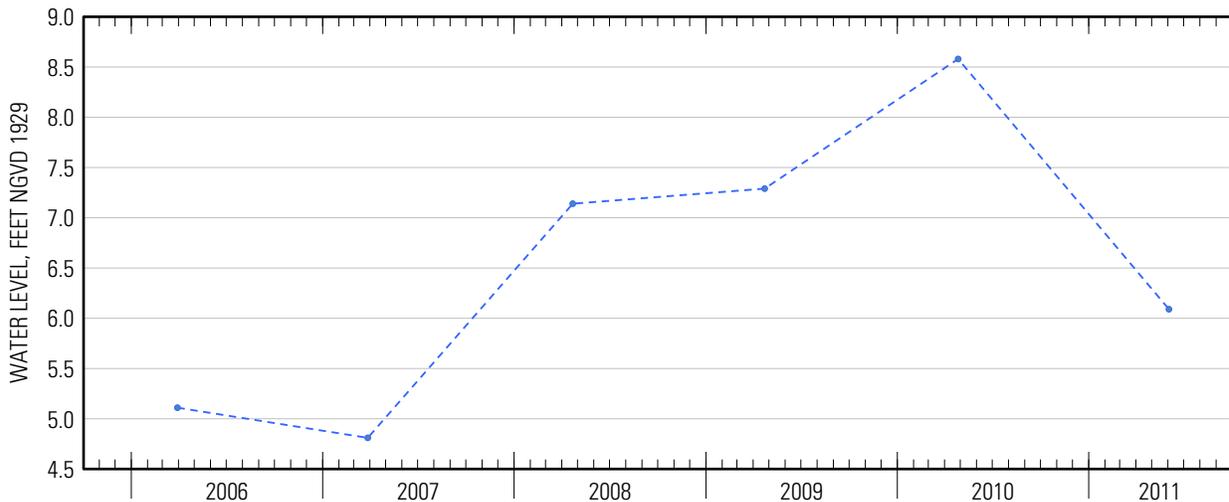
PERIOD OF RECORD.--April 1992 to March 1998 and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.58 ft above sea level, April 26, 2010; lowest measured, 3.11 ft below sea level, August 25, 1992.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Jun 2	6.09



Water-Data Report 2011

404855073404701 Local number N 4223. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°48'55", long 73°40'34" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 326 ft. Upper casing diameter 12 in; top of first opening 273 ft, bottom of last opening 326 ft.

DATUM.--Land-surface datum is 192 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of ½ in brass nipple, 6.06 ft above land-surface datum.

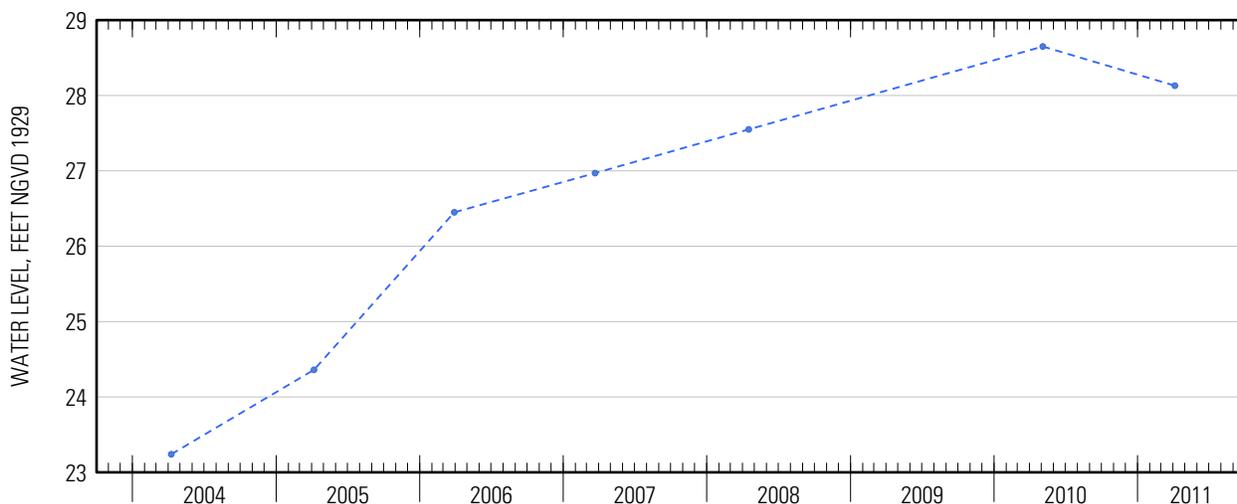
PERIOD OF RECORD.--October 1955 to April 1957, July 1960, March 1964, March 1970 to March 1979, May 1988 to April 1994, and April 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.04 ft above sea level, June 7, 1956; lowest measured, 21.40 ft above sea level, March 12, 1964.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	28.13





Water-Data Report 2011

404910073271601 Local number N 10608. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'13.4", long 73°27'07.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 282 ft. Upper casing diameter 4 in; top of first opening 274 ft, bottom of last opening 279 ft.

DATUM.--Land-surface datum is 249 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.51 ft below land-surface datum.

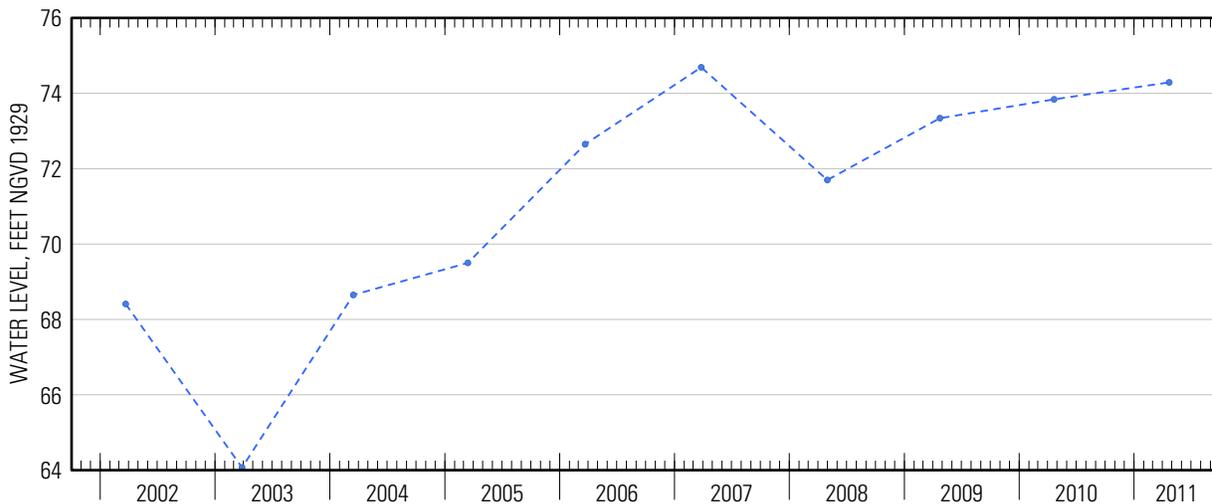
PERIOD OF RECORD.--March 1990 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.69 ft above sea level, March 26, 2007; lowest measured, 64.07 ft above sea level, March 27, 2003.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	74.29



Water-Data Report 2011

404916073411601 Local number N 2269. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°49'16", long 73°41'16" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 231 ft. Upper casing diameter 6 in; top of first opening 208 ft, bottom of last opening 212 ft.

DATUM.--Land-surface datum is 110 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.24 ft above land-surface datum.

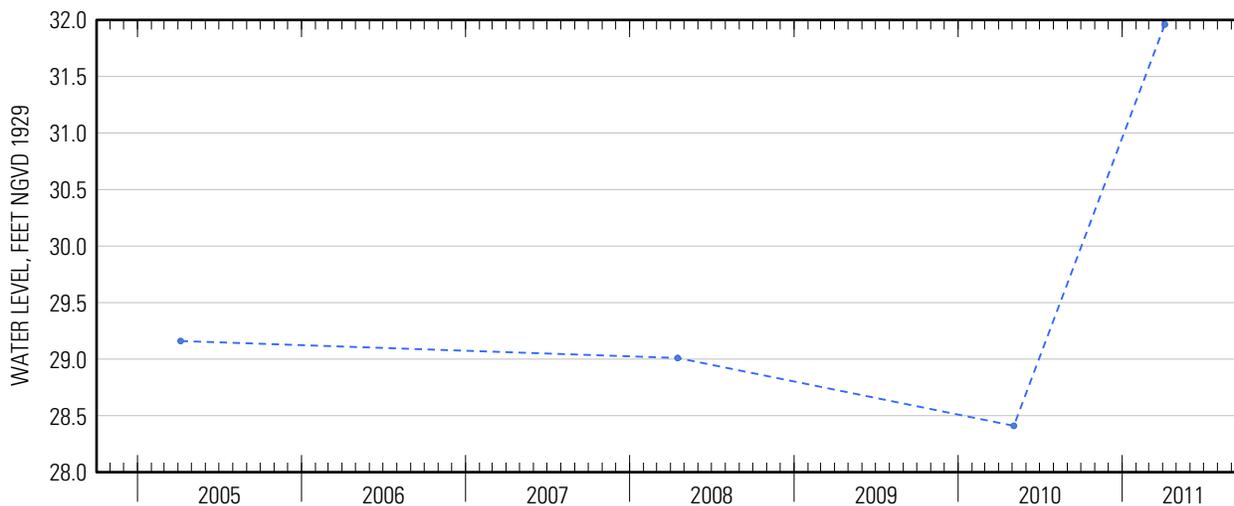
PERIOD OF RECORD.--March 1964, December 1992 to March 1997, April 2005, and April 2008 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.96 ft above sea level, April 5, 2011; lowest measured, 9.76 ft above sea level, September 11, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 5	31.96



Water-Data Report 2011

404921073415401 Local number N 12793. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'21", long 73°41'54" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 430 ft. Upper casing diameter 4 in; top of first opening 390 ft, bottom of last opening 410 ft.

DATUM.--Land-surface datum is 67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.76 ft below land-surface datum.

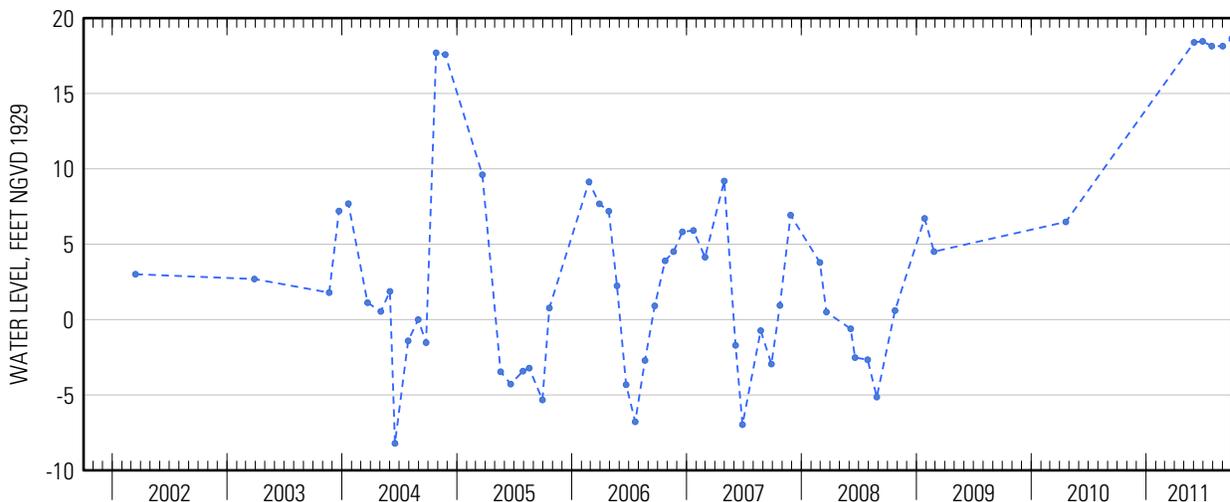
PERIOD OF RECORD.--March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.65 ft above sea level, September 30, 2011; lowest measured, 8.21 ft below sea level, June 17, 2004.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Jun 2	18.39	Sep 1	18.14
29	18.46	30	18.65
Jul 28	18.14		





Water-Data Report 2011

404925073405401 Local number N 12321. 1

Northern Atlantic Coastal Plain aquifer system
North Shore Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'26.1", long 73°40'52.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at south side of Revere Road, just east of Port Washington Boulevard, Port Washington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 577 ft. Upper casing diameter 4 in; top of first opening 552 ft, bottom of last opening 572 ft.

DATUM.--Land-surface datum is 154 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.46 ft below land-surface datum.

PERIOD OF RECORD.--March 1994 to March 1998 and January 2002 to current year.

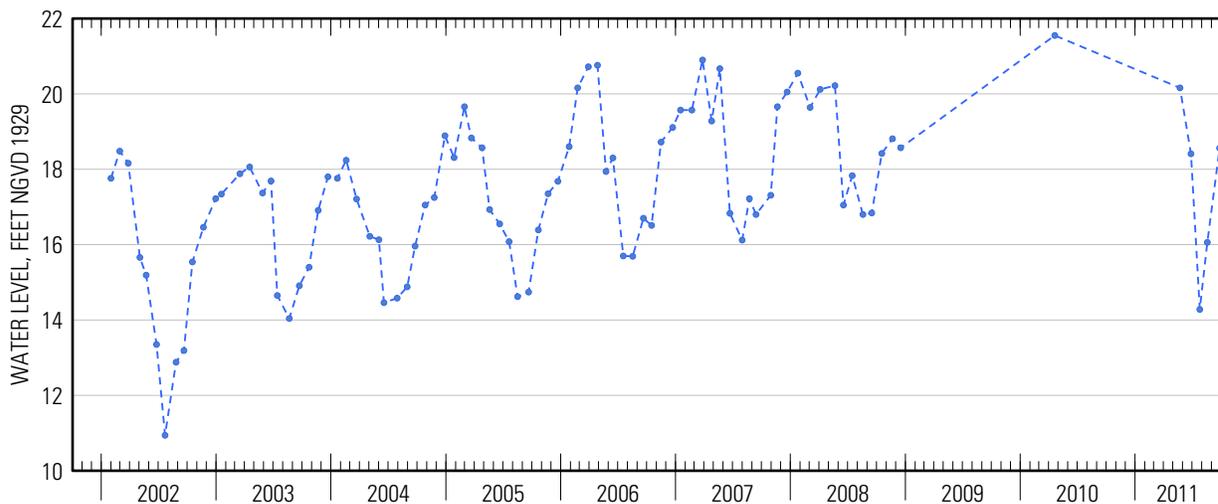
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.55 ft above sea level, April 20, 2010; lowest measured, 10.94 ft below sea level, July 22, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
May 23	20.16	Aug 18	16.06
Jun 27	18.41	Sep 26	18.56
Jul 25	14.28		



404925073405402 Local number N 12451. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°49'26.1", long 73°40'52.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at south side of Revere Road, just east of Port Washington Boulevard, Port Washington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 120 ft. Upper casing diameter 2 in; top of first opening 95 ft, bottom of last opening 115 ft.

DATUM.--Land-surface datum is 154 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.45 ft below land-surface datum.

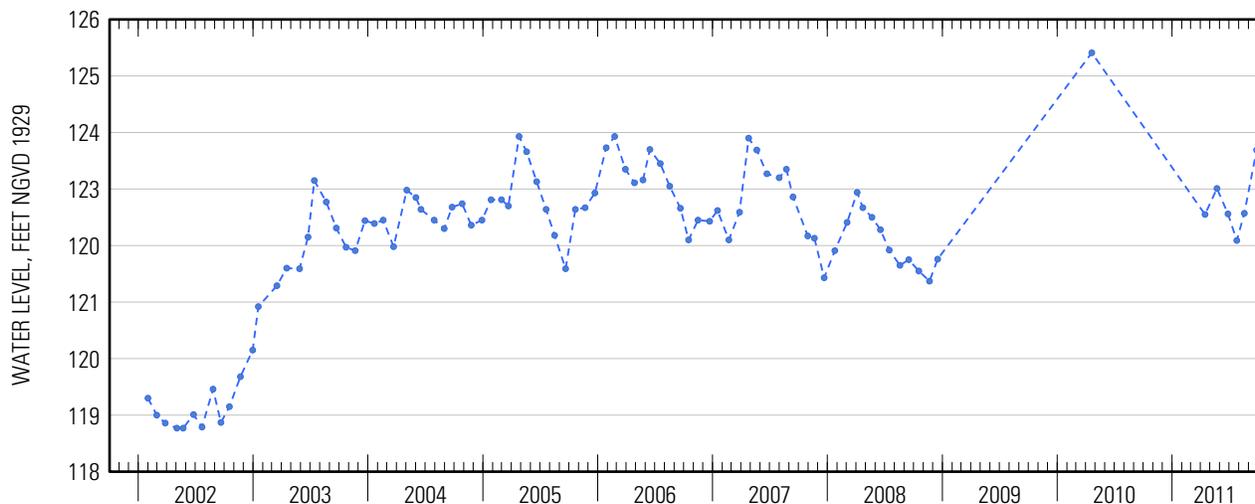
PERIOD OF RECORD.--March 1994 to March 1998 and January 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.41 ft above sea level, April 20, 2010; lowest measured, 118.08 ft above sea level, December 5, 1985.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 15	122.55	Jul 25	122.09
May 23	123.01	Aug 18	122.57
Jun 27	122.56	Sep 26	123.69





Water-Data Report 2011

404931073382101 Local number N 110.1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'31", long 73°38'21" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 519 ft. Upper casing diameter 16 in; top of first opening 445 ft, bottom of last opening 515 ft.

DATUM.--Land-surface datum is 56.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of steel flange, 0.44 ft above land-surface datum.

PERIOD OF RECORD.--January 1946 to April 1948, March 1952, May 1955, May 1957, March 1961, January 1965, December 1970 to March 1999, and March 2002 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, and 1970-75 are available in files of the Geological Survey.

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

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 27.99 ft above sea level, December 15, 1970; lowest recorded, 9.70 ft below sea level, August 7, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 20.40 ft above sea level, May 25; lowest recorded, 3.39 ft below sea level, August 3.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 28	15.83	Feb 16	18.99
Nov 23	18.42	Mar 22	17.01
Dec 15	19.24	Apr 27	19.45
Jan 25	19.11		

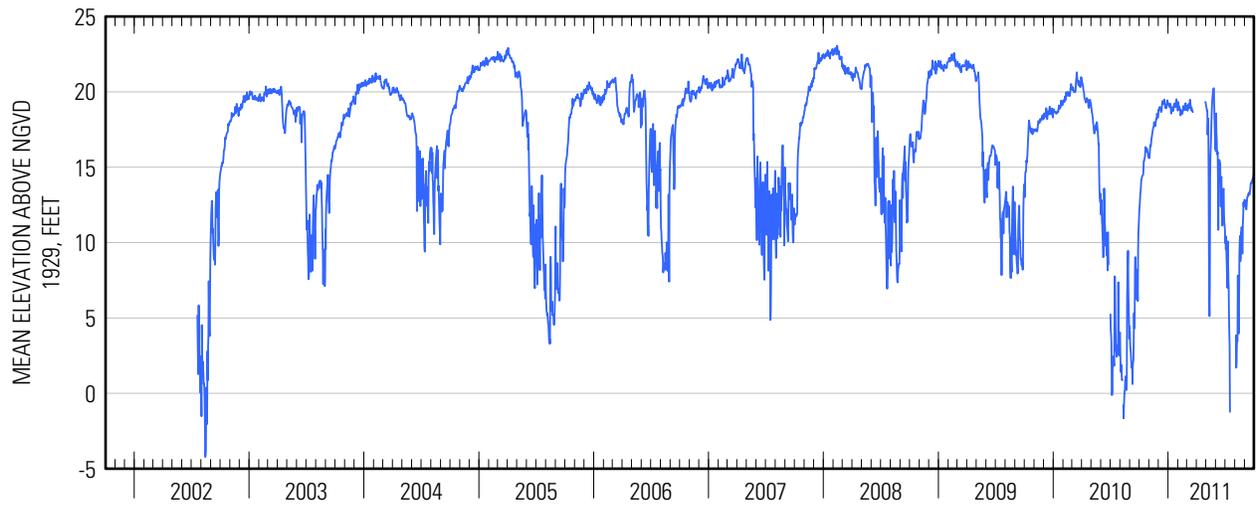
404931073382101 Local number N 110. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.22	15.60	18.82	19.18	18.80	18.80	---	19.09	16.06	9.97	---	12.84
2	12.43	15.63	18.80	19.19	19.33	18.90	---	18.98	18.56	10.31	1.72	12.81
3	12.82	15.85	18.85	19.02	19.02	18.75	---	18.88	17.29	9.54	---	12.75
4	13.25	16.26	18.95	19.03	18.91	18.79	---	18.76	16.90	10.41	3.89	12.54
5	13.37	16.48	19.00	19.03	19.00	18.94	---	18.76	15.96	9.06	1.70	12.34
6	13.73	16.39	18.95	19.11	18.89	19.11	---	17.16	15.85	8.43	2.11	12.20
7	14.14	16.50	18.89	19.22	18.75	19.19	---	17.88	16.01	7.51	3.23	12.44
8	14.19	16.77	18.76	19.20	18.85	18.92	---	18.22	13.98	7.00	3.50	12.74
9	14.34	16.96	18.66	18.89	18.44	18.95	---	15.39	10.84	10.08	3.46	13.03
10	14.40	17.07	18.68	18.56	18.55	19.23	---	10.41	14.52	8.85	7.81	13.06
11	14.44	17.25	18.81	18.65	18.54	19.48	---	6.09	14.44	7.62	5.61	13.05
12	14.47	17.37	19.15	18.97	18.60	19.25	---	5.12	15.49	7.04	4.33	13.22
13	14.51	17.50	19.39	18.75	18.54	19.10	---	7.07	15.44	5.11	3.97	13.23
14	14.83	17.59	19.27	18.80	18.76	18.92	---	14.43	15.33	3.90	6.14	13.32
15	15.41	17.67	19.19	18.89	18.57	18.77	---	15.82	15.23	3.13	9.14	13.23
16	15.40	17.76	19.20	18.87	18.71	18.96	---	16.34	13.68	-1.27	10.00	13.17
17	15.56	17.99	19.30	18.74	18.92	18.82	---	17.00	12.41	---	10.44	13.30
18	15.61	17.71	19.30	19.04	19.07	18.72	---	17.93	14.21	---	8.76	13.44
19	15.80	17.74	19.49	19.11	18.97	18.73	---	18.64	14.36	2.51	8.99	13.64
20	16.16	17.80	19.45	18.99	18.78	18.65	---	19.20	12.41	---	10.67	13.95
21	16.34	17.75	19.19	19.24	19.02	18.62	---	19.57	11.37	---	9.52	13.98
22	16.20	17.94	19.05	19.14	18.93	---	---	19.76	11.12	---	11.02	13.93
23	16.05	18.19	18.93	19.16	18.88	---	---	19.99	13.01	---	10.28	13.95
24	16.19	18.18	19.10	18.99	18.98	---	---	20.20	13.38	---	9.28	14.11
25	16.24	18.23	18.91	19.11	19.25	---	---	20.22	13.54	---	9.27	14.15
26	16.15	18.55	19.04	19.40	18.81	---	---	20.24	13.58	---	11.26	14.22
27	16.03	18.50	19.18	19.51	18.92	---	---	19.07	11.99	---	11.74	14.29
28	15.93	18.33	19.17	19.30	19.07	---	19.29	18.14	11.35	---	12.67	14.33
29	15.77	18.29	19.44	19.18	---	---	19.33	17.31	11.18	---	12.38	14.48
30	15.65	18.45	19.32	19.02	---	---	19.28	16.22	10.83	---	12.66	14.62
31	15.65	---	19.28	18.76	---	---	---	18.43	---	---	12.83	---
Mean	14.94	17.41	19.08	19.03	18.85	18.93	---	16.78	14.01	7.01	7.88	13.41
Max	16.34	18.55	19.49	19.51	19.33	19.48	---	20.24	18.56	10.41	12.83	14.62
Min	12.22	15.60	18.66	18.56	18.44	18.62	---	5.12	10.83	-1.27	1.70	12.20
Med	15.41	17.69	19.10	19.03	18.89	18.92	---	18.22	14.10	7.62	9.14	13.27

	Calendar Year 2010	Water Year 2011
Mean	14.14	15.52
Max	21.30	20.24
Min	-1.66	-1.27
Med	17.69	17.21

404931073382101 Local number N 110.1—Continued



Water-Data Report 2011

404943073414701 Local number N 12508. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'43", long 73°41'47" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201, at north side of Charles Street near dead end, along west side of foot path to Madison Street, at Stannards Brook Park, Port Washington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 400 ft. Upper casing diameter 4 in; top of first opening 355 ft, bottom of last opening 375 ft.

DATUM.--Land-surface datum is 61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.99 ft below land-surface datum.

PERIOD OF RECORD.--March 1995 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.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.15 ft above sea level, March 14, 2006; lowest recorded, 14.18 ft below sea level, July 10, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 10.28 ft above sea level, April 17; lowest recorded, 11.96 ft below sea level, July 25.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	3.67	Apr 27	8.32
Nov 23	7.93	May 23	8.08
Dec 15	5.02	Jul 25	-11.61
Feb 16	4.99	Aug 17	1.83
Mar 22	5.66	Sep 26	8.12

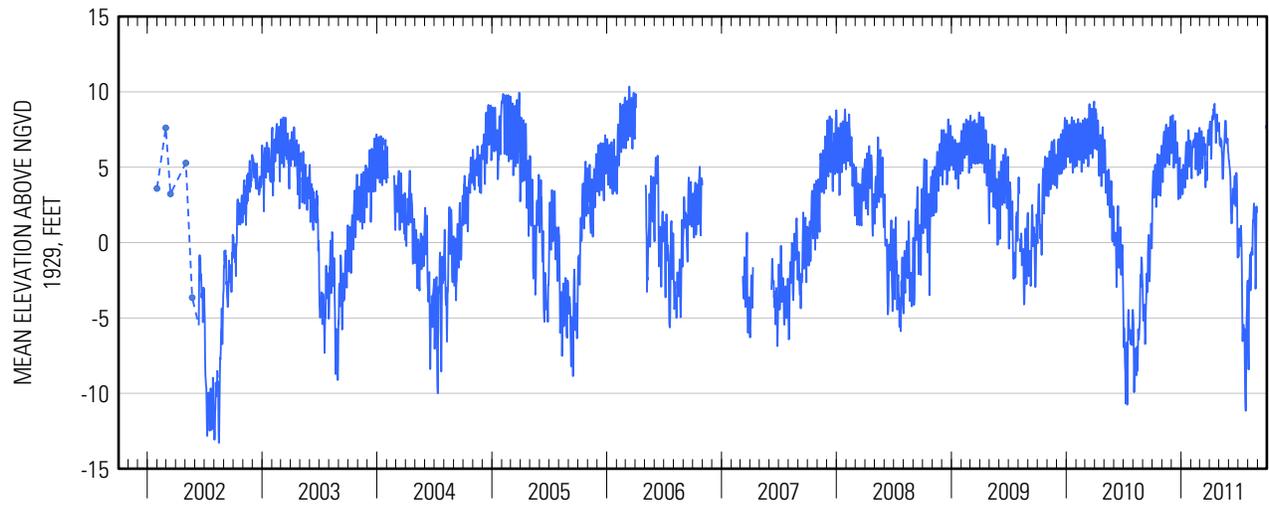
404943073414701 Local number N 12508. 1—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.90	5.87	5.92	3.90	6.02	6.50	7.72	7.95	5.45	-0.75	-4.32	---
2	3.68	4.92	6.20	4.81	4.74	4.59	7.97	7.27	5.44	-0.92	-7.08	---
3	4.32	4.01	7.79	4.85	4.26	5.13	8.04	6.53	5.12	-0.65	-8.42	---
4	4.75	5.08	8.29	3.96	5.60	6.62	7.38	6.52	4.99	0.34	-4.15	---
5	4.40	6.68	8.46	3.20	6.25	7.23	7.55	6.45	4.67	0.94	-2.39	---
6	2.98	7.10	8.00	3.36	6.30	7.40	5.56	6.92	4.37	-0.24	-2.37	---
7	3.11	7.36	7.05	5.17	6.49	7.39	5.96	6.36	3.33	-0.01	-1.26	---
8	4.59	7.34	4.96	4.79	6.76	6.64	7.47	6.76	1.96	-0.08	-0.79	---
9	5.00	6.62	5.25	4.83	6.32	4.91	8.09	6.76	1.80	0.68	-3.17	---
10	5.17	5.00	6.68	5.02	6.58	5.16	8.32	5.99	1.27	1.11	-2.65	---
11	4.74	6.04	7.26	4.58	6.74	6.80	8.44	5.79	1.78	0.30	-0.63	---
12	3.88	7.39	7.99	3.68	6.86	6.91	8.16	4.26	2.17	-0.64	-0.71	---
13	2.36	7.77	8.07	3.64	6.81	6.98	8.84	4.22	2.88	-2.57	-0.68	---
14	2.95	7.84	7.10	5.46	7.27	6.99	8.87	4.27	3.58	-5.10	-0.37	---
15	4.86	7.76	5.28	5.89	6.54	6.46	8.77	5.21	3.08	-6.54	-0.82	---
16	5.30	7.02	5.78	6.51	4.85	5.81	9.15	5.85	2.77	-5.80	0.85	---
17	5.87	5.26	6.65	6.67	6.15	6.56	9.21	6.31	2.58	-5.50	1.47	---
18	5.80	5.31	6.65	6.44	7.04	4.27	8.34	6.55	3.52	-5.46	1.46	---
19	4.63	6.90	6.64	4.37	7.08	3.66	8.33	7.23	4.32	-5.74	2.08	---
20	3.15	7.52	6.15	4.21	6.95	4.17	7.89	7.84	4.43	-5.95	2.60	---
21	3.60	7.58	5.13	5.44	7.26	5.12	6.61	8.09	4.32	-5.74	2.19	---
22	4.73	7.63	3.23	6.18	6.47	5.33	7.46	8.08	3.55	-7.99	1.96	---
23	5.16	7.14	2.87	7.13	4.46	4.12	8.08	8.00	2.42	-9.89	1.35	---
24	5.81	5.17	4.47	7.46	5.95	4.96	8.51	6.65	4.01	-10.76	-0.12	---
25	5.77	5.81	4.37	6.96	6.90	6.41	8.12	6.86	4.63	-11.16	-3.06	---
26	4.60	7.75	4.97	5.03	6.79	6.94	7.64	6.59	4.50	-8.99	-2.42	---
27	3.11	8.22	5.63	5.48	7.27	7.30	7.69	6.59	3.80	-5.79	0.51	---
28	3.92	8.36	4.11	6.40	7.62	7.47	7.39	6.90	1.38	-4.88	2.40	---
29	5.53	8.30	2.95	6.70	---	7.15	7.79	6.40	-0.99	-4.28	1.98	---
30	6.12	7.38	3.14	6.76	---	6.46	7.62	5.99	-0.94	-3.06	---	---
31	6.43	---	4.23	6.69	---	7.23	---	5.86	---	-2.53	---	---
Mean	4.49	6.74	5.85	5.34	6.37	6.09	7.90	6.49	3.21	-3.80	-0.92	7.60
Max	6.43	8.36	8.46	7.46	7.62	7.47	9.21	8.09	5.45	1.11	2.60	7.78
Min	2.36	4.01	2.87	3.20	4.26	3.66	5.56	4.22	-0.99	-11.16	-8.42	7.42
Med	4.63	7.12	5.92	5.17	6.56	6.50	8.00	6.55	3.54	-4.28	-0.68	7.60

	Calendar Year 2010	Water Year 2011
Mean	2.71	4.38
Max	9.36	9.21
Min	-10.75	-11.16
Med	4.75	5.44

404943073414701 Local number N 12508. 1—Continued



Water-Data Report 2011

404944073392601 Local number N 12506. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°49'44.9", long 73°39'31.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 506 ft. Upper casing diameter 4 in; top of first opening 476 ft, bottom of last opening 496 ft.

DATUM.--Land-surface datum is 34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.84 ft below land-surface datum.

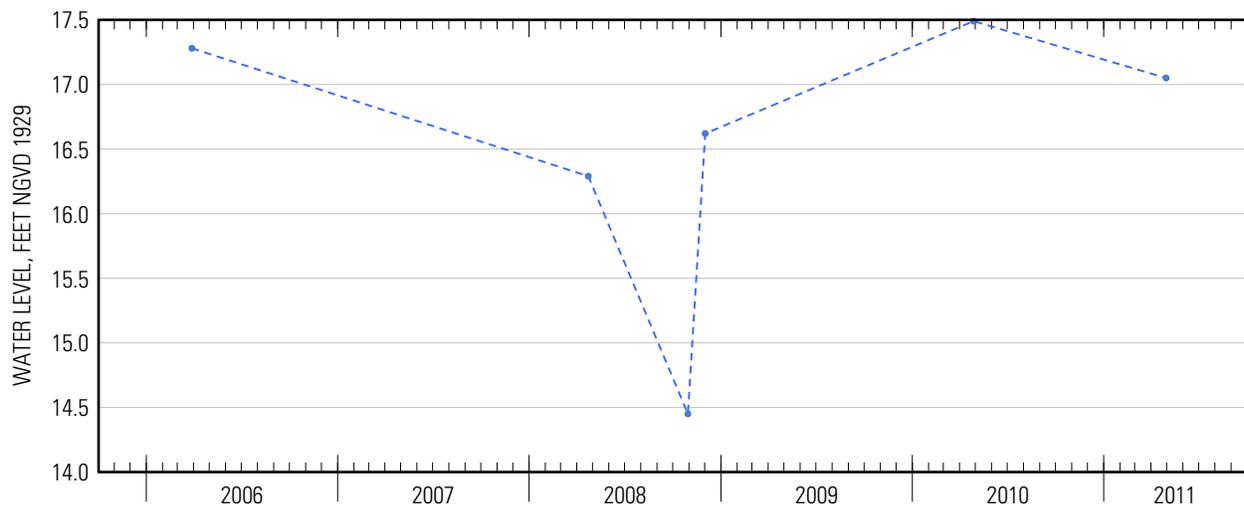
PERIOD OF RECORD.--December 1994 to March 1998 and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.49 ft above sea level, April 27, 2010; lowest measured, 10.45 ft above sea level, August 23, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 29	17.05



Water-Data Report 2011

404944073393603 Local number N 9608. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°49'44.2", long 73°39'35.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 161 ft. Upper casing diameter 4 in; top of first opening 132 ft, bottom of last opening 151 ft.

DATUM.--Land-surface datum is 17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.61 ft above land-surface datum.

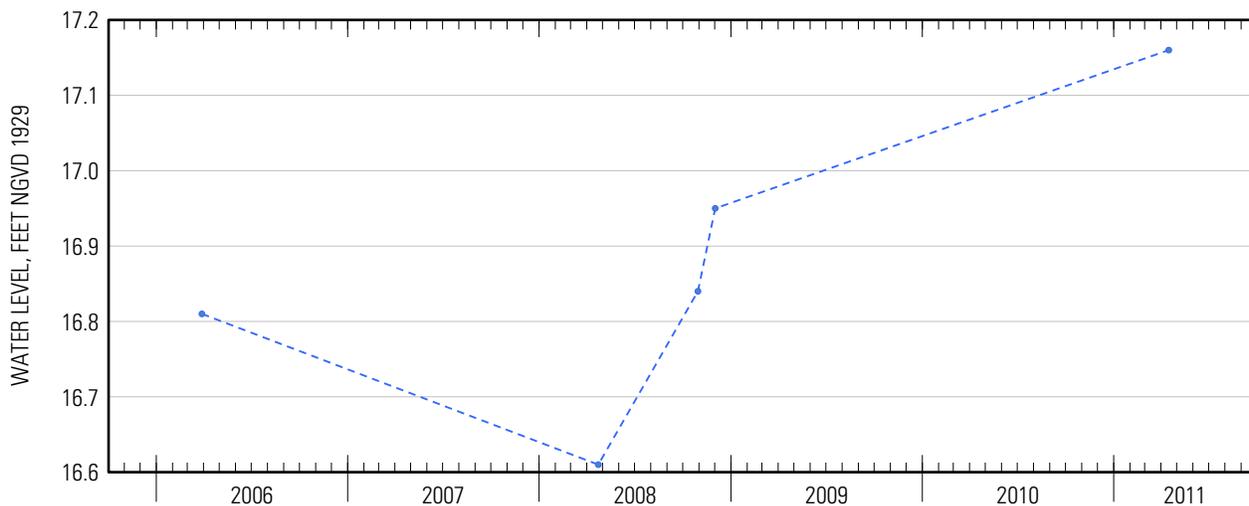
PERIOD OF RECORD.--March 1983, November 1991 to September 1997, and March 2004 to current year

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.48 ft above sea level, March 31, 1994; lowest measured, 12.33 ft above sea level, August 23, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	17.16



405000073293301 Local number N 1228.3

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°49'59.9", long 73°29'32.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at south side of Cold Spring Road, 332 ft west of Townsend Drive, Syosset.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 176 ft. Upper casing diameter 4 in; top of first opening 173 ft, bottom of last opening 176 ft.

DATUM.--Land-surface datum is 227 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.12 ft above land-surface datum.

PERIOD OF RECORD.--February 1962 to May 1984, June 1988 to January 2000, and March 2005 to current year.

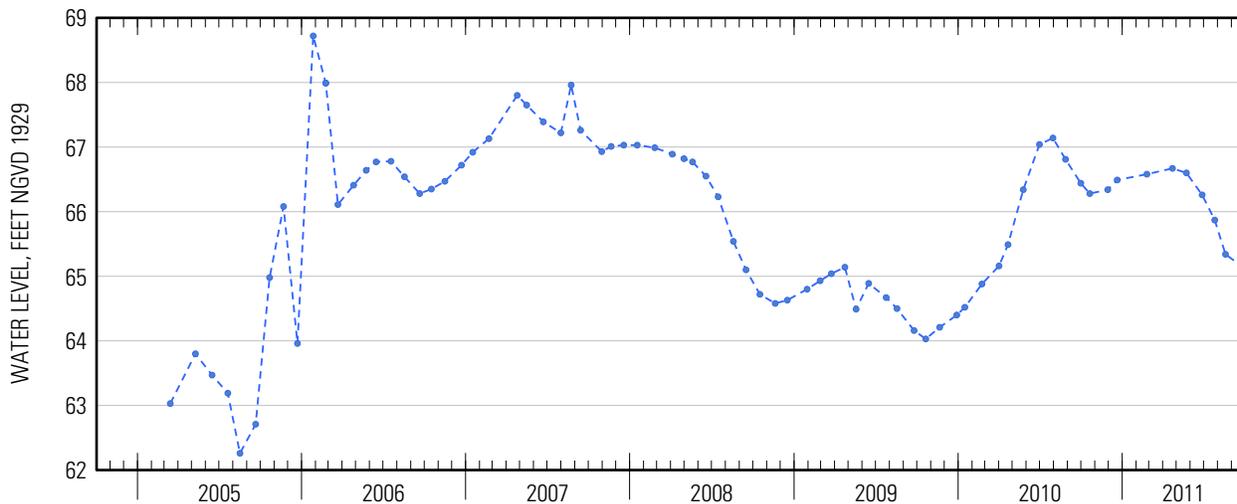
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1228.2 in February 1962 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.69 ft above sea level, May 29, 1980; lowest measured, 52.22 ft above sea level, July 18, 1967.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	66.28	May 23	66.60
Nov 29	66.34	Jun 27	66.26
Dec 20	66.49	Jul 25	65.87
Feb 24	66.58	Aug 18	65.34
Apr 22	66.67	Sep 26	65.14



Water-Data Report 2011

405001073343205 Local number N 6294. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°51'00.9", long 73°34'32.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at south side of Chicken Valley Road, 83 ft west of Wolver Hollow Road, westernmost well, Upper Brookville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 37 ft. Upper casing diameter 1.25 in. Screen assumed at bottom.

DATUM.--Land-surface datum is 93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

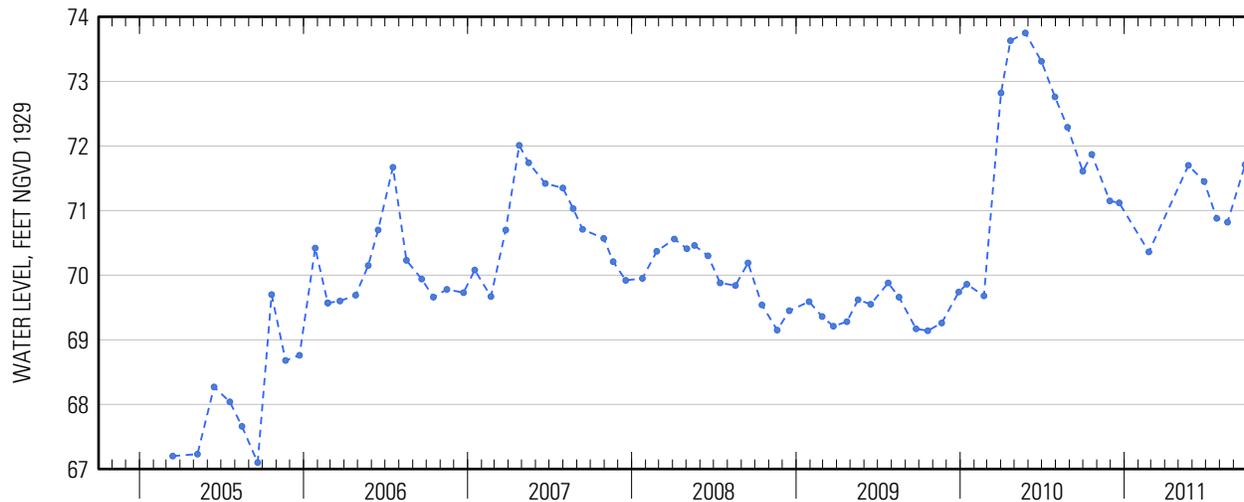
PERIOD OF RECORD.--September 1982 to January 2000, April 2002, and March 2005 to current year. Unpublished records for September 1982 to September 1987 are available in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.75 ft above sea level, May 25, 2010; lowest measured, 62.40 ft above sea level, January 26, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	71.87	Jun 27	71.45
Nov 29	71.15	Jul 25	70.88
Dec 20	71.12	Aug 18	70.82
Feb 24	70.36	Sep 26	71.71
May 23	71.70		



Water-Data Report 2011

405004073353401 Local number N 11798. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'04", long 73°35'34" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030201, at west side of Hegemans Lane, 193 ft north of Linden Lane, southernmost well, Old Brookville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 645 ft. Upper casing diameter 4 in; top of first opening 620 ft, bottom of last opening 640 ft.

DATUM.--Land-surface datum is 143 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.53 ft below land-surface datum.

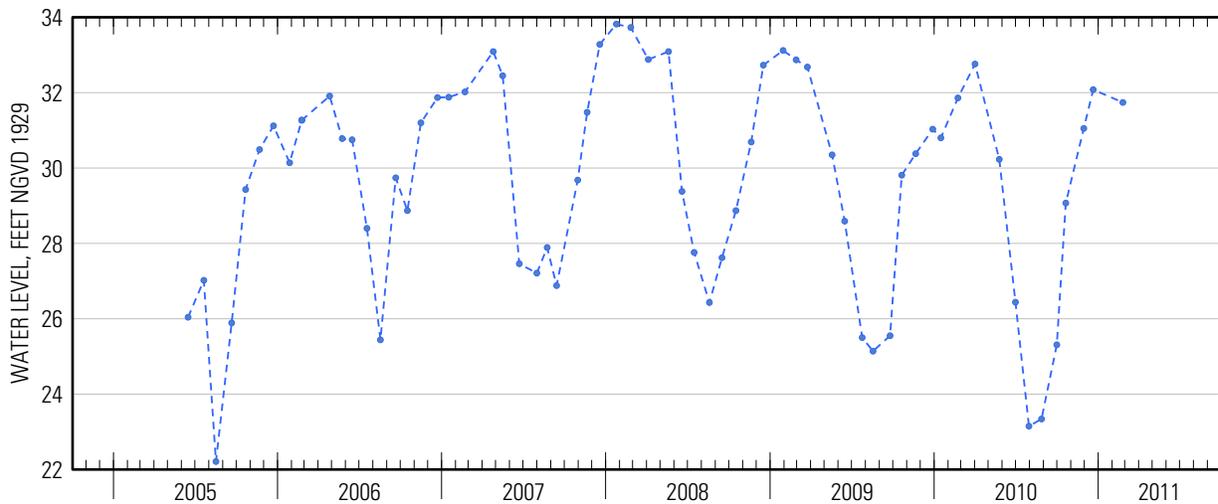
PERIOD OF RECORD.--June 1992 to September 1997 and June 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.82 ft above sea level, January 24, 2008; lowest measured, 22.21 ft above sea level, August 16, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	29.07	Dec 20	32.08
Nov 29	31.05	Feb 24	31.74



405010073414901 Local number N 35.1

Northern Atlantic Coastal Plain aquifer system
Port Washington Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'10.2", long 73°41'48.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at Port Washington Water District, 115 ft south of Sandy Hollow Road, in recorder shelter, Port Washington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 387 ft. Upper casing diameter 16 in; top of first opening 287 ft, bottom of last opening 387 ft.

DATUM.--Land-surface datum is 13.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.64 ft above land-surface datum.

PERIOD OF RECORD.--April 1946 to current year.

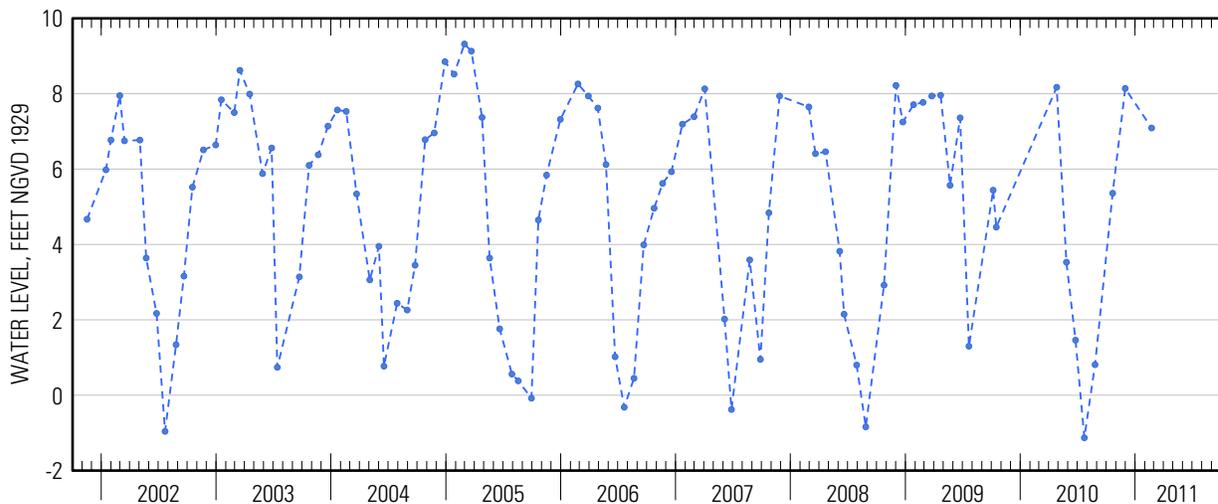
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.32 ft above sea level, February 28, 2005; lowest measured, 16.15 ft below sea level, July 29, 1954.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	5.36	Feb 22	7.09
Nov 30	8.14		



405010073415011 Local number N 12264. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°50'10.0", long 73°41'47.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at Port Washington Water District, north side of Bayside Avenue, Port Washington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 5 ft, bottom of last opening 20 ft.

DATUM.--Land-surface datum is 18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft below land-surface datum.

PERIOD OF RECORD.--July 1993 to December 1998 and March 2003 to current year.

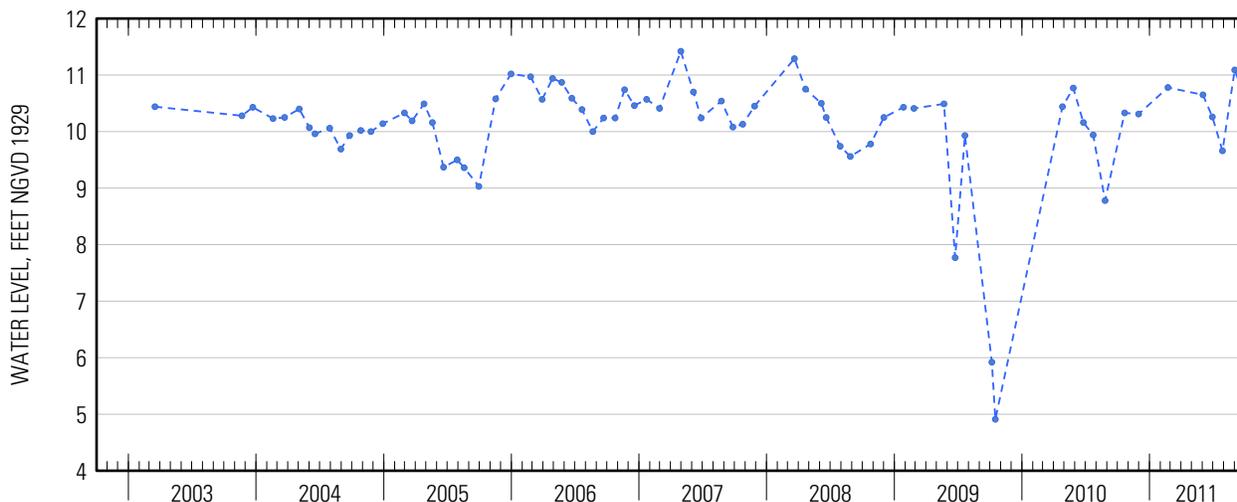
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.91 ft above sea level, May 22, 1997; lowest measured, 4.91 ft above sea level, October 16, 2009.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	10.33	Jun 29	10.26
Nov 30	10.31	Jul 28	9.66
Feb 22	10.78	Sep 1	11.09
Jun 2	10.65	30	10.59





Water-Data Report 2011

405012073293501 Local number N 11823. 1

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'12.0", long 73°29'34.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030202, at Nassau County Recharge Basin #531, 87 ft south of Foxhunt Crescent South Road, southernmost well, Oyster Bay Cove.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 535 ft. Upper casing diameter 4 in; top of first opening 500 ft, bottom of last opening 525 ft.

DATUM.--Land-surface datum is 209 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.12 ft below land-surface datum.

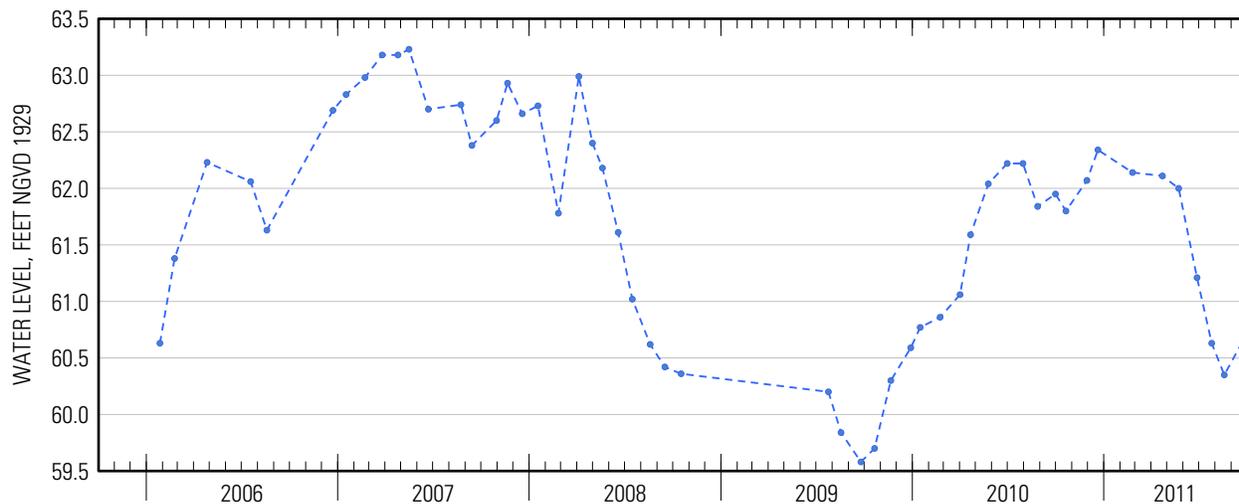
PERIOD OF RECORD.--February 1992 to September 1997 and January 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.23 ft above sea level, May 16, 2007; lowest measured, 54.35 ft above sea level, March 11, 1997.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	61.80	May 23	62.00
Nov 29	62.07	Jun 27	61.21
Dec 20	62.34	Jul 25	60.63
Feb 24	62.14	Aug 18	60.35
Apr 22	62.11	Sep 26	60.68



Water-Data Report 2011

405027073272602 Local number N 1243.5

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'26.9", long 73°27'20.0" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at south side of Stillwell Road, 98 ft west of Harbor Road, Cold Spring Harbor.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 28 ft. Upper casing diameter 1.25 in; top of first opening 25 ft, bottom of last opening 28 ft.

DATUM.--Land-surface datum is 64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.92 ft below land-surface datum.

PERIOD OF RECORD.--September 1975 to current year.

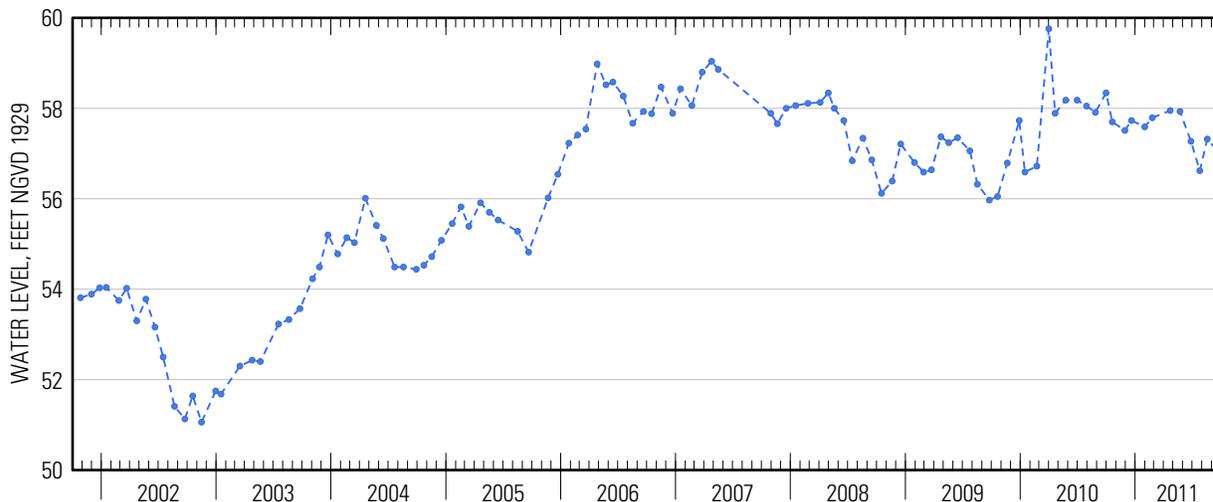
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Replaced well N1243.4 in September 1975 near same location, which has a period of record from November 1939 to September 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.70 ft above sea level, March 21, 1978; lowest measured, 51.06 ft above sea level, November 15, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	57.70	May 23	57.93
Nov 29	57.51	Jun 27	57.27
Dec 20	57.73	Jul 25	56.62
Jan 31	57.59	Aug 18	57.32
Feb 24	57.79	Sep 26	57.00
Apr 22	57.95		



Water-Data Report 2011

405030073282101 Local number N 12075. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'30.3", long 73°28'18.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 855 ft. Upper casing diameter 4 in; top of first opening 830 ft, bottom of last opening 850 ft.

DATUM.--Land-surface datum is 198 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.83 ft below land-surface datum.

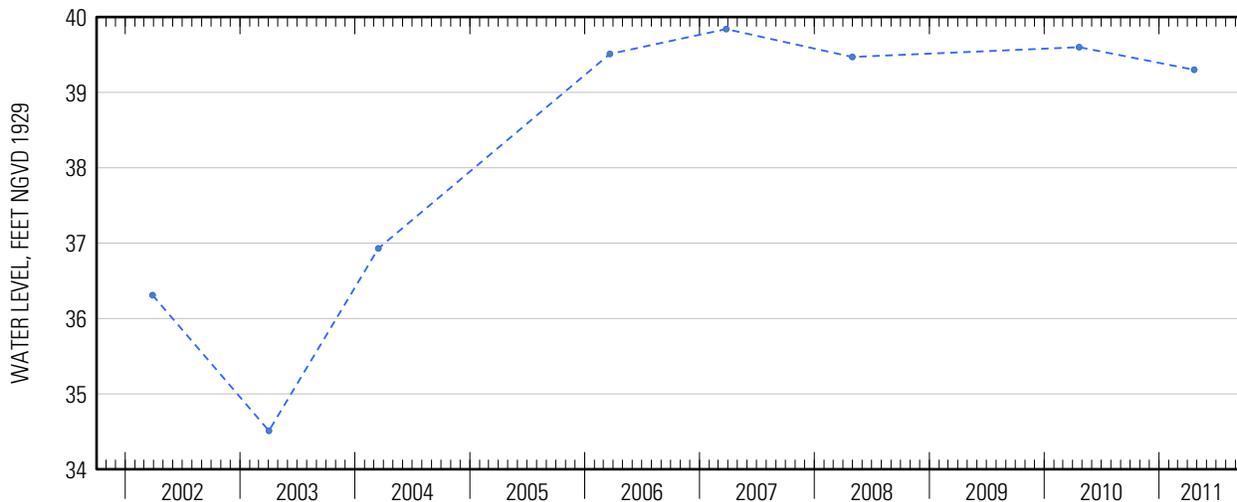
PERIOD OF RECORD.--April 1993 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.84 ft above sea level, March 26, 2007; lowest measured, 33.81 ft above sea level, September 11, 1996.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	39.30



Water-Data Report 2011

405036073412402 Local number N 12241. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°50'37.0", long 73°41'22.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at Village Club Golf Course, east side of Middle Neck Road near exit gate, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 122 ft. Upper casing diameter 4 in; top of first opening 97 ft, bottom of last opening 117 ft.

DATUM.--Land-surface datum is 53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.67 ft below land-surface datum.

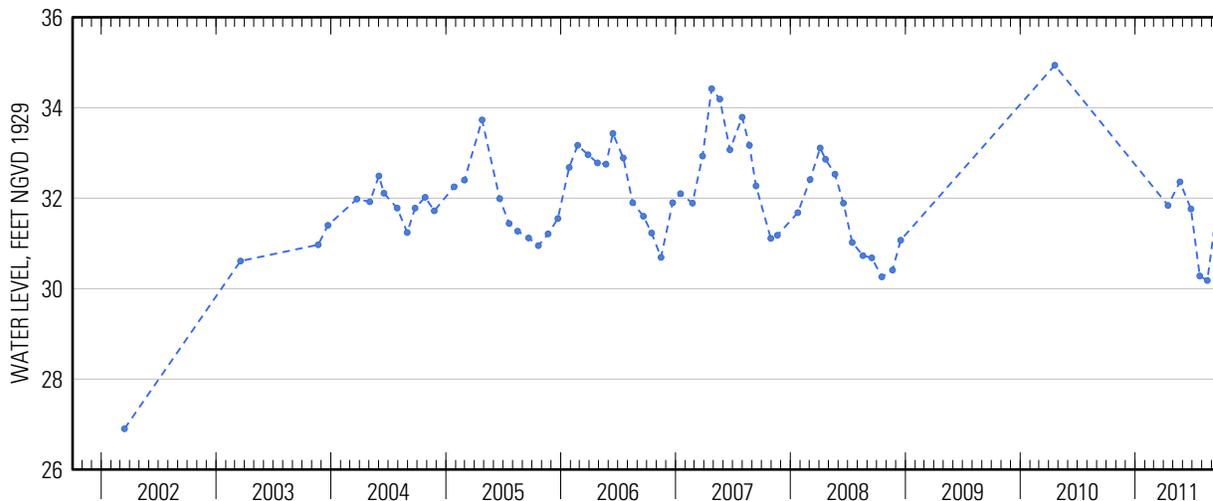
PERIOD OF RECORD.--June 1993 to March 1997 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.94 ft above sea level, April 20, 2010; lowest measured, 26.90 ft above sea level, March 15, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 15	31.84	Jul 25	30.28
May 23	32.36	Aug 18	30.18
Jun 27	31.76	Sep 26	32.22



Water-Data Report 2011

405036073412403 Local number N 12240. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°50'37.0", long 73°41'22.7" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at Village Club Golf Course, east side of Middle Neck Road near exit gate, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 65 ft. Upper casing diameter 2 in; top of first opening 50 ft, bottom of last opening 60 ft.

DATUM.--Land-surface datum is 53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft below land-surface datum.

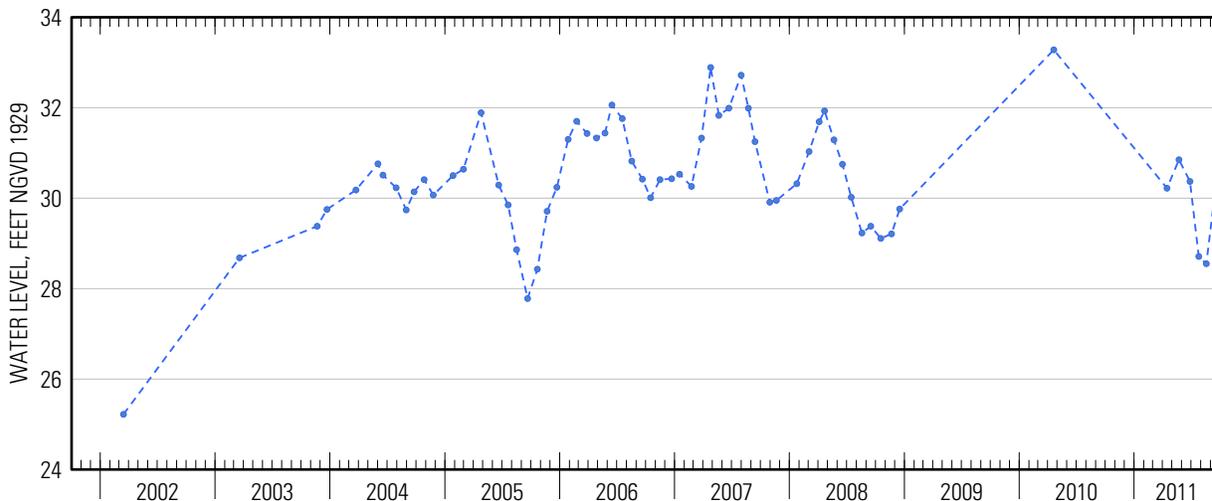
PERIOD OF RECORD.--June 1993 to March 1998 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.28 ft above sea level, April 20, 2010; lowest measured, 25.22 ft above sea level, March 15, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 15	30.22	Jul 25	28.71
May 23	30.85	Aug 18	28.55
Jun 27	30.37	Sep 26	30.78



Water-Data Report 2011

405048073404302 Local number N 1118. 2

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°50'47.6", long 73°40'41.2" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 82 ft. Upper casing diameter 4 in; top of first opening 74 ft, bottom of last opening 82 ft.

DATUM.--Land-surface datum is 147 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft below land-surface datum.

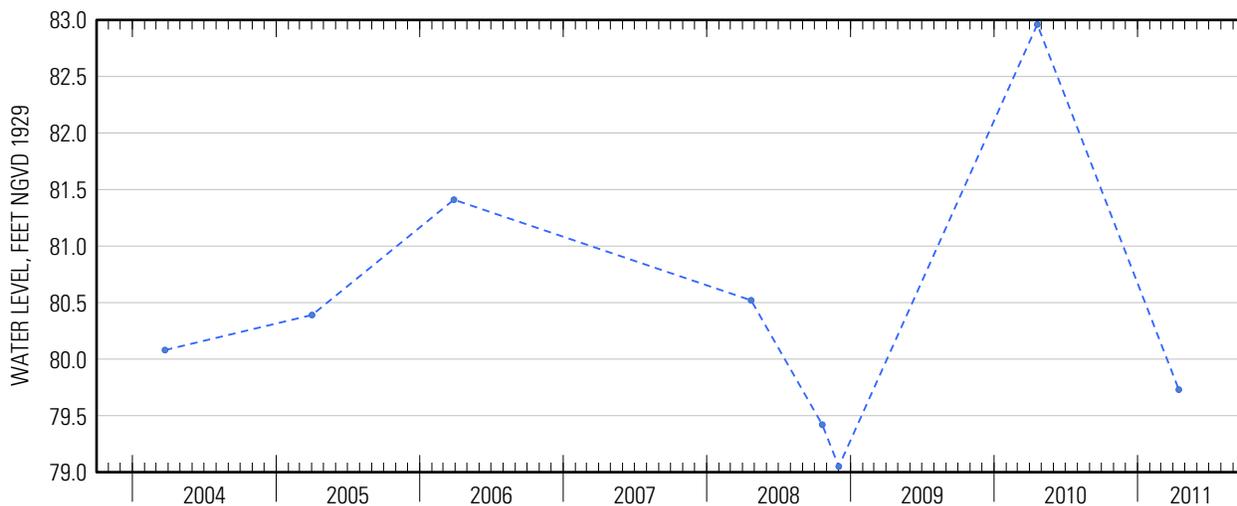
PERIOD OF RECORD.--July 1961 to April 1983, March 2004 to March 2006, and April 2008 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.41 ft above sea level, March 16, 1976; lowest measured, 72.17 ft above sea level, December 20, 1966.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 15	79.73



Water-Data Report 2011

405048073431401 Local number N 12190. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°50'48.4", long 73°43'12.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at north side of Barkers Point Road, just east of Messenger Lane, at Nassau County Recharge Basin #366, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 245 ft. Upper casing diameter 4 in; top of first opening 215 ft, bottom of last opening 235 ft.

DATUM.--Land-surface datum is 53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft below land-surface datum.

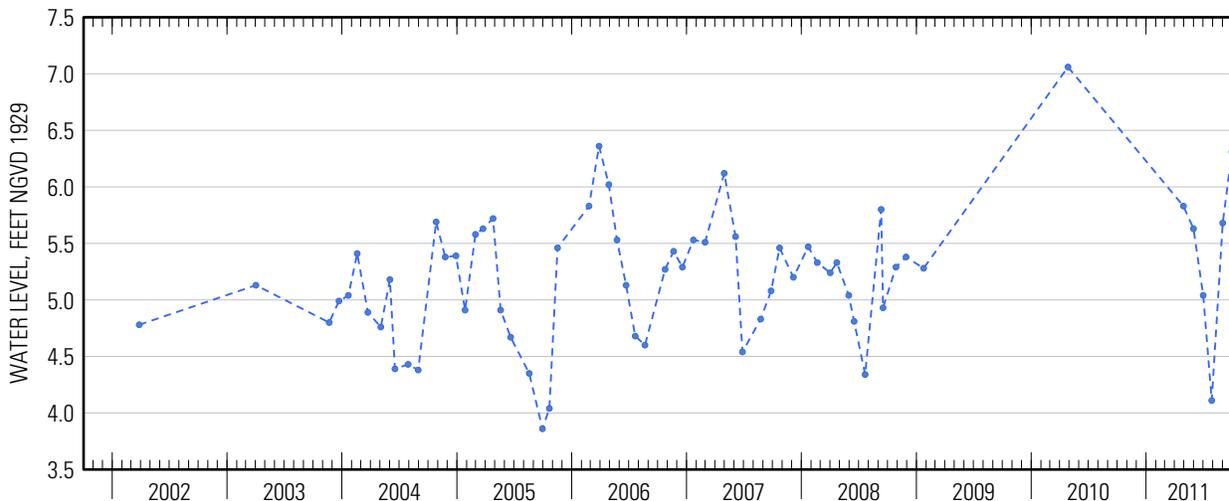
PERIOD OF RECORD.--June 1993 to December 1996 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.06 ft above sea level, April 27, 2010; lowest measured, 3.34 ft above sea level, August 23, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 29	5.83	Jul 28	4.11
May 31	5.63	Sep 1	5.68
Jul 1	5.04	30	6.31



Water-Data Report 2011

405055073430701 Local number N 8891. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°50'47.1", long 73°43'12.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at north side of Barkers Point Road, east of Messenger Lane, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 72 ft. Upper casing diameter 4 in; top of first opening 67 ft, bottom of last opening 72 ft.

DATUM.--Land-surface datum is 60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft above land-surface datum.

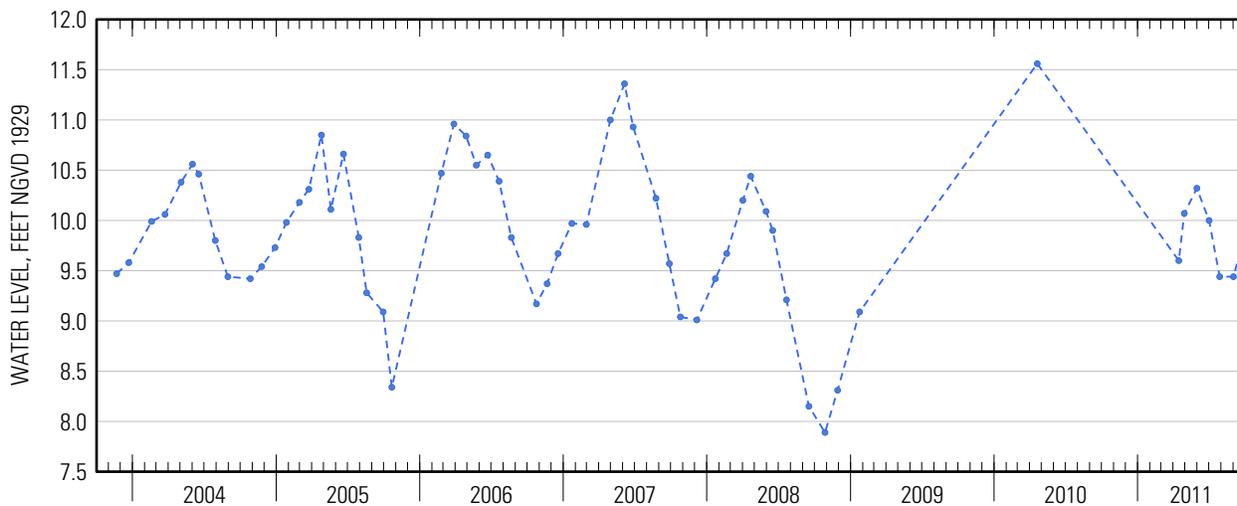
PERIOD OF RECORD.--November 1972 to April 1983, March 1990 to March 1998, and March 2003 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.12 ft above sea level, June 13, 1973; lowest measured, 6.76 ft above sea level, August 31, 1981.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 15	9.60	Jul 28	9.44
29	10.07	Sep 1	9.44
May 31	10.32	30	9.86
Jul 1	10.00		



Water-Data Report 2011

405101073343401 Local number N 2528. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer

Nassau County, NY

LOCATION.--Lat 40°51'01.0", long 73°34'32.6" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at south side of Chicken Valley Road, 83 ft west of Wolver Hollow Road, easternmost well, Upper Brookville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 328 ft. Upper casing diameter 6 in; top of first opening 278 ft, bottom of last opening 282 ft.

DATUM.--Land-surface datum is 93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in steel plug, 0.86 ft above land-surface datum.

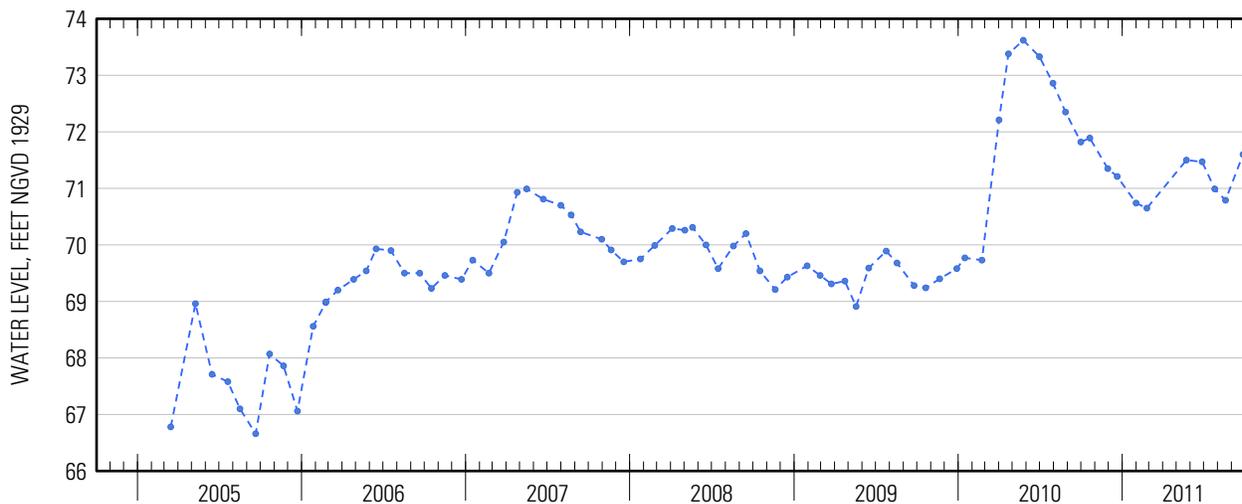
PERIOD OF RECORD.--February 1953 to April 2002 and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft above sea level, July 25, 1957; lowest measured, 59.12 ft above sea level, February 24, 1967.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	71.89	May 23	71.50
Nov 29	71.35	Jun 27	71.47
Dec 20	71.21	Jul 25	70.99
Jan 31	70.74	Aug 18	70.79
Feb 24	70.65	Sep 26	71.60



405121073432101 Local number N 12318. 1

Northern Atlantic Coastal Plain aquifer system
Undefined Aquifer

Nassau County, NY

LOCATION.--Lat 40°51'21.1", long 73°43'18.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at west side of Old Sands Point Road, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 195 ft. Upper casing diameter 4 in; top of first opening 145 ft, bottom of last opening 165 ft.

DATUM.--Land-surface datum is 9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

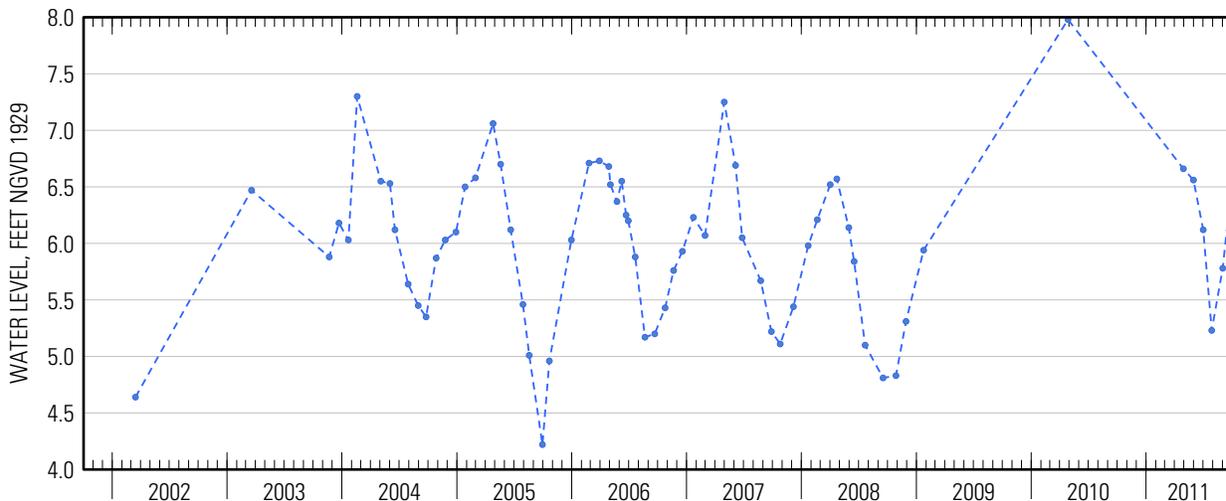
PERIOD OF RECORD.--March 1994 to March 1997 and March 2002 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.98 ft above sea level, April 27, 2010; lowest measured, 3.94 ft above sea level, August 23, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 29	6.66	Jul 28	5.23
May 31	6.56	Sep 1	5.78
Jul 1	6.12	30	6.55





Water-Data Report 2011

405122073360601 Local number N 11279. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°51'23.0", long 73°36'05.8" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at east side of Lawrence Lane, 95 ft north of Bryant Road, Glen Cove.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 500 ft. Upper casing diameter 4 in; top of first opening 475 ft, bottom of last opening 495 ft.

DATUM.--Land-surface datum is 131 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.29 ft below land-surface datum.

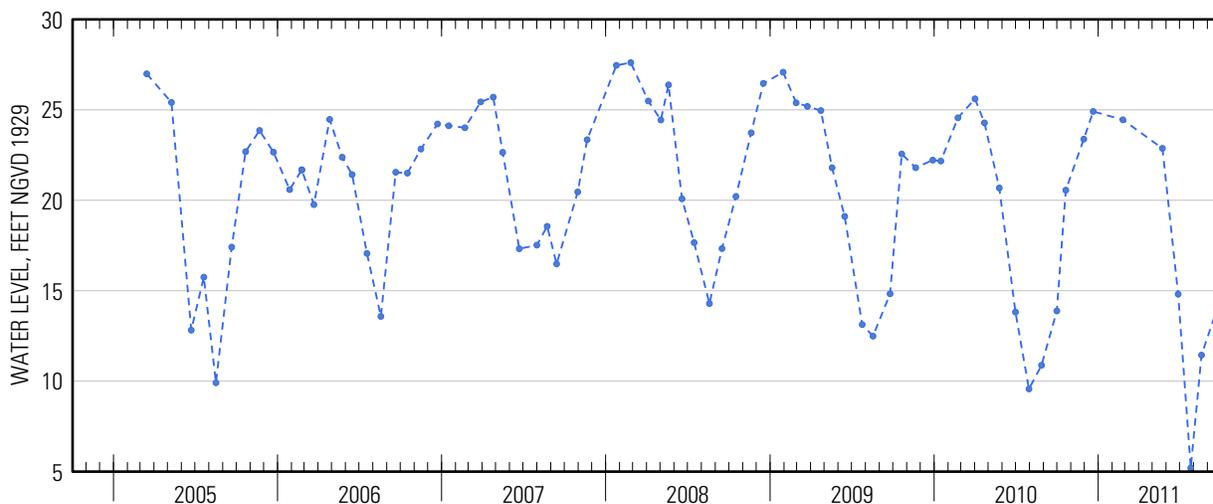
PERIOD OF RECORD.--March 1991 to March 1998 and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.48 ft above sea level, March 20, 1990; lowest measured, 5.20 ft above sea level, July 25, 2011.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 20	20.56	Jun 27	14.81
Nov 29	23.38	Jul 25	5.20
Dec 20	24.91	Aug 18	11.44
Feb 24	24.45	Sep 26	14.33
May 23	22.87		





Water-Data Report 2011

405125073420705 Local number N 6342. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°51'24.8", long 73°42'05.3" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, 300 ft north of Middle Neck Road, easternmost well, Sands Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 185 ft. Upper casing diameter 1.25 in; top of first opening 183 ft, bottom of last opening 185 ft.

DATUM.--Land-surface datum is 97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.99 ft above land-surface datum.

PERIOD OF RECORD.--August 1957 to January 2000 and January 2002 to current year. Unpublished records for August 1957 to September 1987 are available in the files of the U.S. Geological Survey.

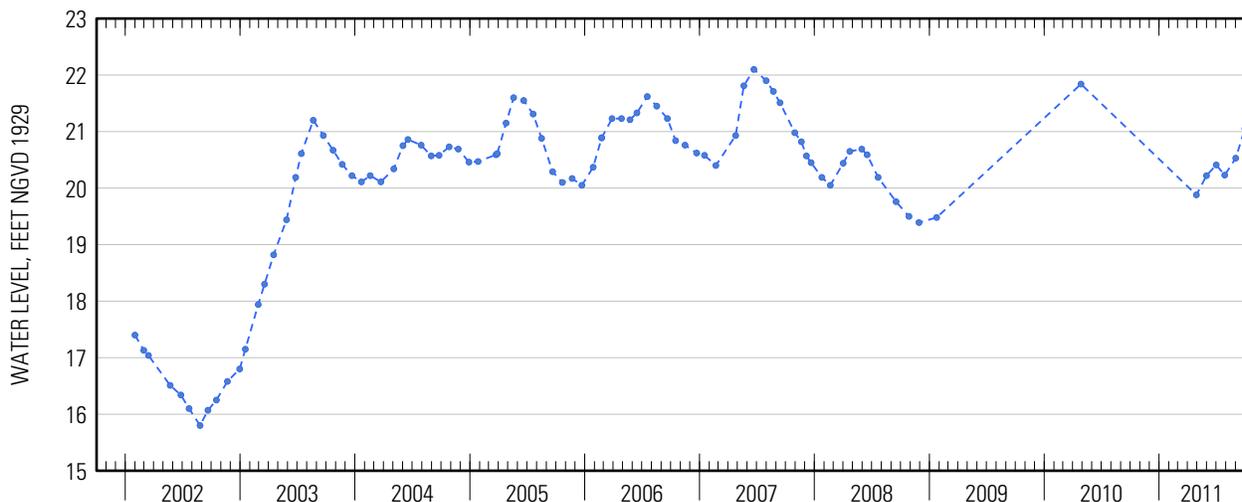
GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft above sea level, September 14, 1984; lowest measured, 14.06 ft above sea level, February 28, 1967.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Apr 29	19.88	Jul 28	20.23
May 31	20.22	Sep 1	20.53
Jul 1	20.41	30	21.05



Water-Data Report 2011

405126073275603 Local number N 9152. 1

Northern Atlantic Coastal Plain aquifer system
Glacial Aquifer, Upper

Nassau County, NY

LOCATION.--Lat 40°51'25.5", long 73°27'54.4" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 58 ft. Upper casing diameter 4 in; top of first opening 53 ft, bottom of last opening 58 ft.

DATUM.--Land-surface datum is 40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft below land-surface datum.

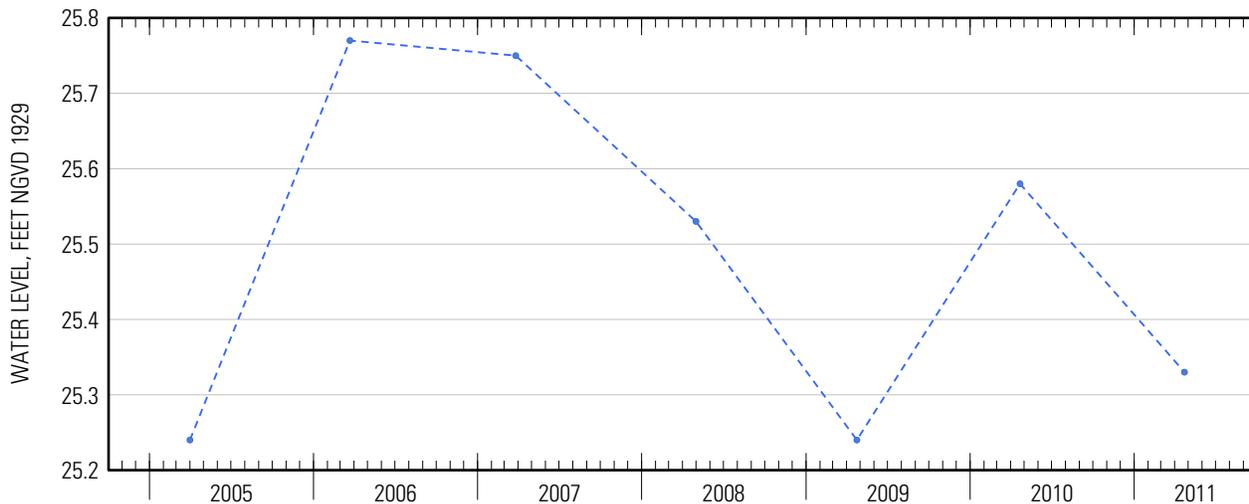
PERIOD OF RECORD.--March 1990 to September 2007 and March 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.77 ft above sea level, March 22, 2006; lowest measured, 23.58 ft above sea level, December 7, 1995.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 22	25.33



Water-Data Report 2011

405312073300103 Local number N 12733. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°53'12.9", long 73°29'58.5" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 708 ft. Upper casing diameter 4 in; top of first opening 683 ft, bottom of last opening 703 ft.

DATUM.--Land-surface datum is 155 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.53 ft below land-surface datum.

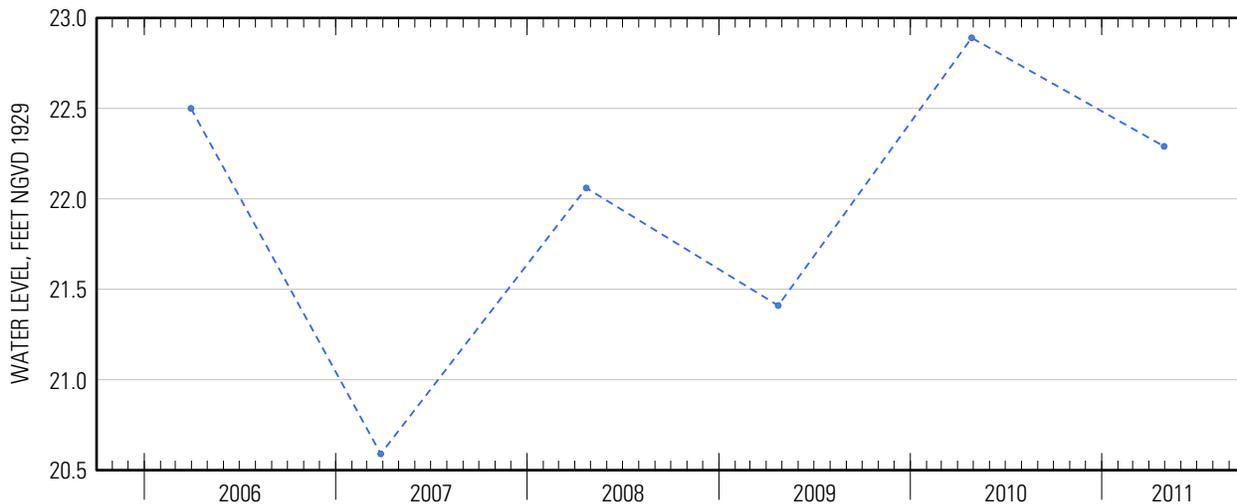
PERIOD OF RECORD.--December 1996 to December 1998 and March 2006 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.89 ft above sea level, April 27, 2010; lowest measured, 19.11 ft above sea level, August 19, 1997.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 29	22.29





Water-Data Report 2011

405432073345001 Local number N 7152. 1

Northern Atlantic Coastal Plain aquifer system
Lloyd Aquifer

Nassau County, NY

LOCATION.--Lat 40°54'33.4", long 73°34'44.9" referenced to North American Datum of 1983, Nassau County, NY, Hydrologic Unit 02030201, at southeast side of Oak Neck Beach, 5 ft north of fence line along north side of Bayville Avenue, Bayville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 370 ft. Upper casing diameter 6 in; top of first opening 360 ft, bottom of last opening 370 ft.

DATUM.--Land-surface datum is 14.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.64 ft above land-surface datum.

PERIOD OF RECORD.--September 1961 to December 1961, December 1964, March 1966, January 1968 to December 1998, and June 2005 to current year.

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

REMARKS.--Water level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft above sea level, February 5, 1962; lowest measured, 5.50 ft below sea level, June 27, 1983.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 21	7.84	Apr 29	8.96
Nov 30	9.07	May 31	4.98
Feb 22	8.21		

