

Water-Data Report 2006

**403827074060101 Local number R 116. 1**

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

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

**GROUND-WATER RECORDS**

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

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

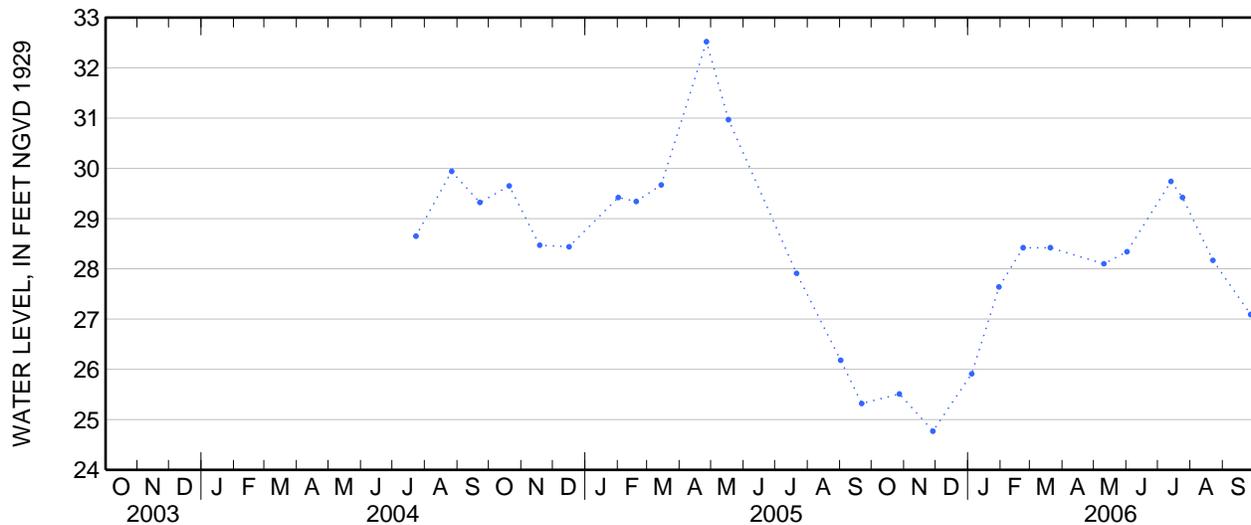
PERIOD OF RECORD.--July 2004 to current year.

GAGE.--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, April 26, 2005; lowest measured, 24.77 ft above sea level, November 28, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	25.51	May 10	28.10
Nov 28	24.77	Jun 1	28.34
Jan 4	25.91	Jul 13	29.74
30	27.64	24	29.42
Feb 22	28.42	Aug 22	28.17
Mar 20	28.42	Sep 27	27.09





Water-Data Report 2006

**403813074075401 Local number R 117.1**

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

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

**GROUND-WATER RECORDS**

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

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

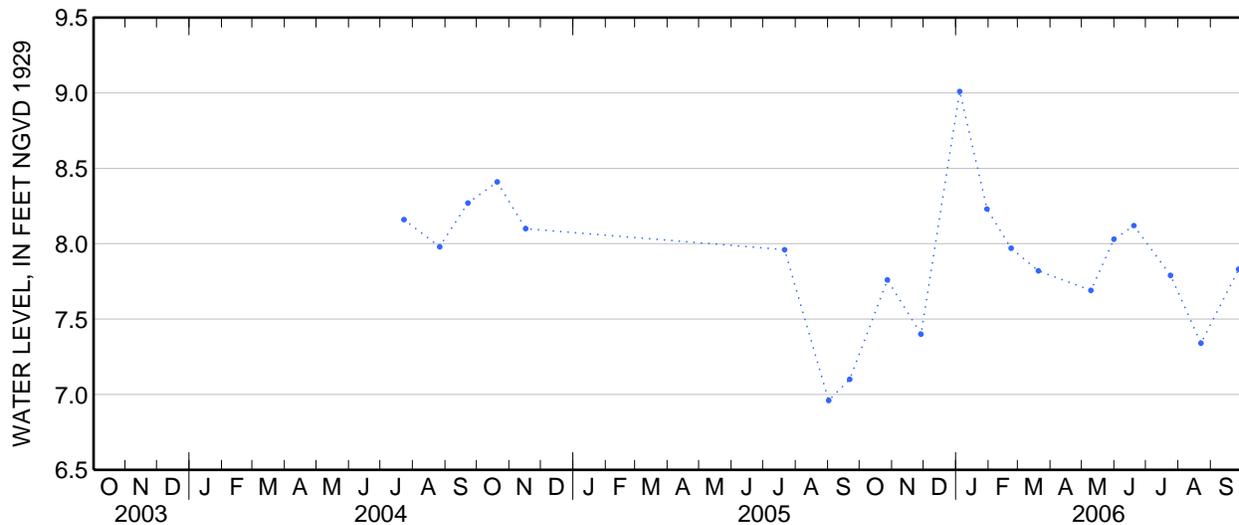
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.01 ft above sea level, January 4, 2006; lowest measured, 6.96 ft above sea level, September 1, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	7.76	May 9	7.69
Nov 28	7.40	31	8.03
Jan 4	9.01	Jun 19	8.12
30	8.23	Jul 24	7.79
Feb 22	7.97	Aug 22	7.34
Mar 20	7.82	Sep 27	7.83





Water-Data Report 2006

**403637074090001 Local number R 118.1**

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

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

**GROUND-WATER RECORDS**

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

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

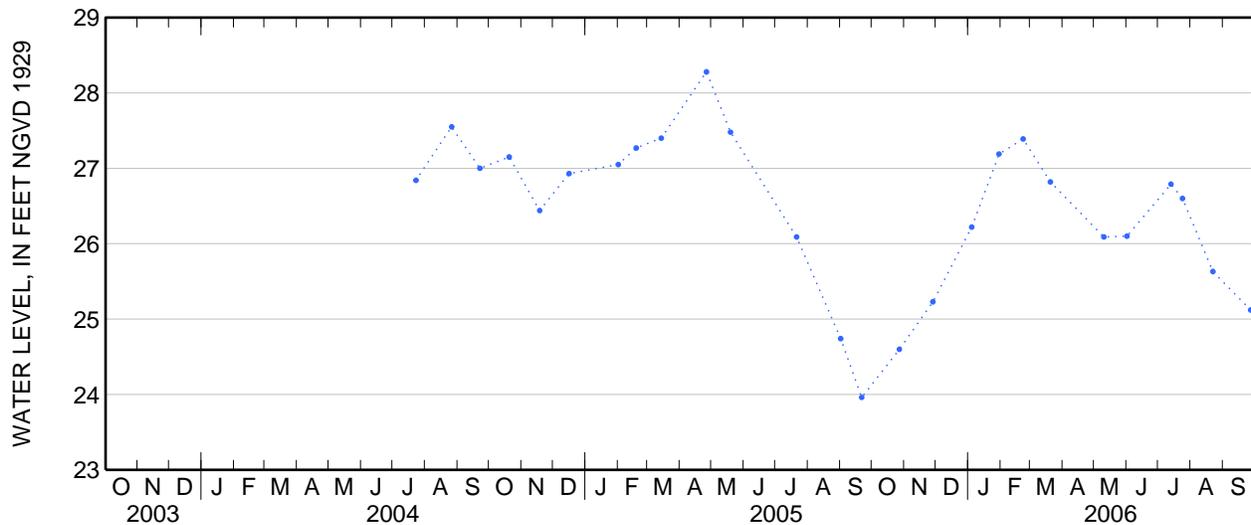
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.28 ft above sea level, April 26, 2005; lowest measured, 23.96 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	24.60	May 10	26.09
Nov 28	25.23	Jun 1	26.10
Jan 4	26.22	Jul 13	26.79
30	27.19	24	26.60
Feb 22	27.39	Aug 22	25.63
Mar 20	26.82	Sep 27	25.12



Water-Data Report 2006

**403308074120901 Local number R 119.1**

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

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

**GROUND-WATER RECORDS**

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

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

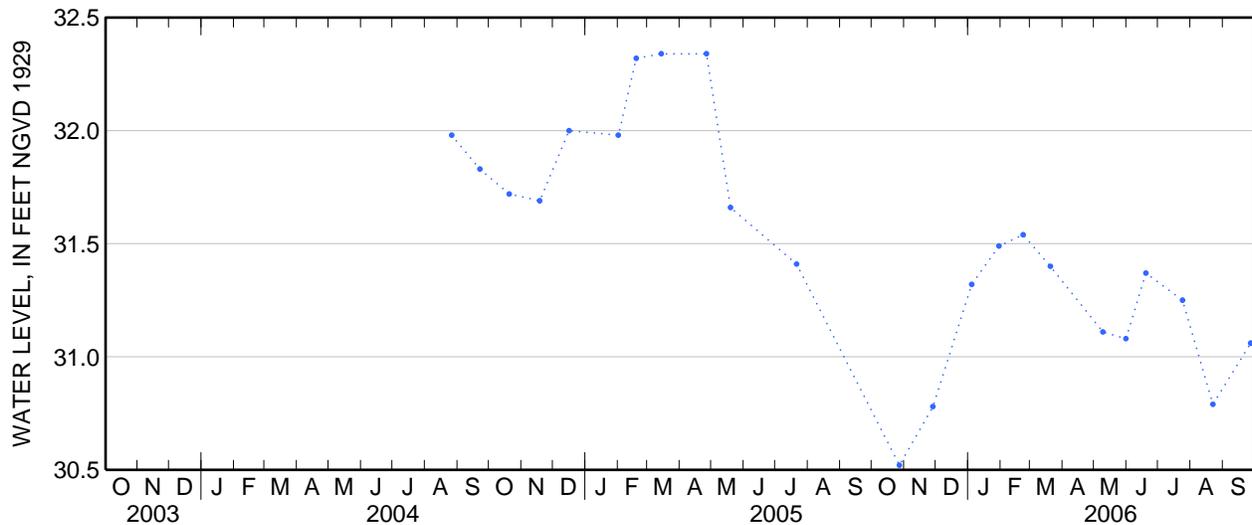
PERIOD OF RECORD.--August 2004 to current year.

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

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

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	30.52	May 9	31.11
Nov 28	30.78	31	31.08
Jan 4	31.32	Jun 19	31.37
30	31.49	Jul 24	31.25
Feb 22	31.54	Aug 22	30.79
Mar 20	31.40	Sep 27	31.06





Water-Data Report 2006

**403234074120001 Local number R 120.1**

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

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

**GROUND-WATER RECORDS**

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

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

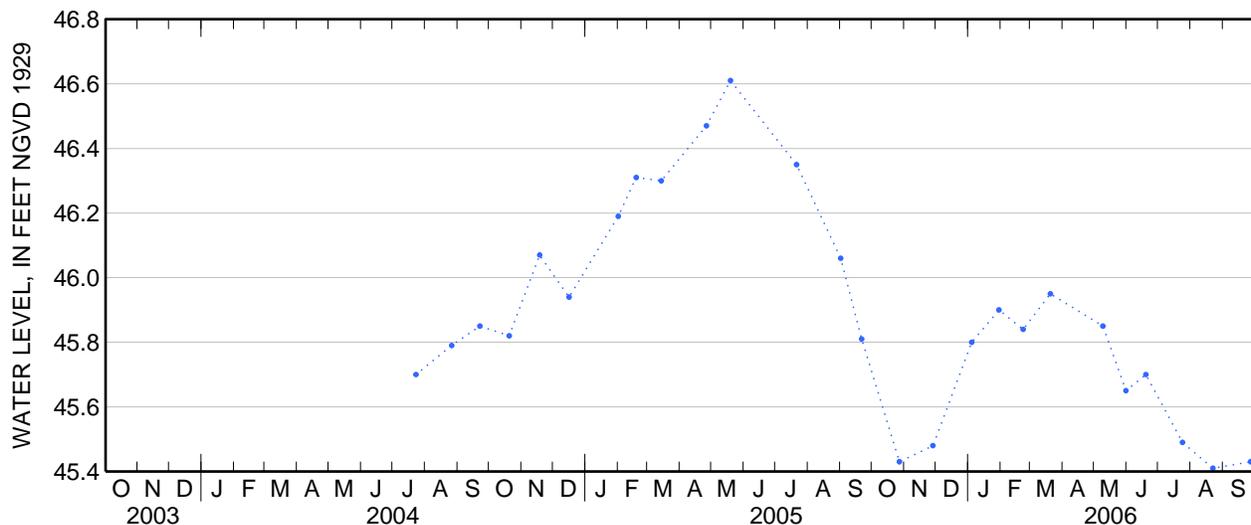
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.61 ft above sea level, May 19, 2005; lowest measured, 45.41 ft above sea level, August 22, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	45.43	May 9	45.85
Nov 28	45.48	31	45.65
Jan 4	45.80	Jun 19	45.70
30	45.90	Jul 24	45.49
Feb 22	45.84	Aug 22	45.41
Mar 20	45.95	Sep 27	45.43





Water-Data Report 2006

**403219074111101 Local number R 121.1**

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

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

**GROUND-WATER RECORDS**

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

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

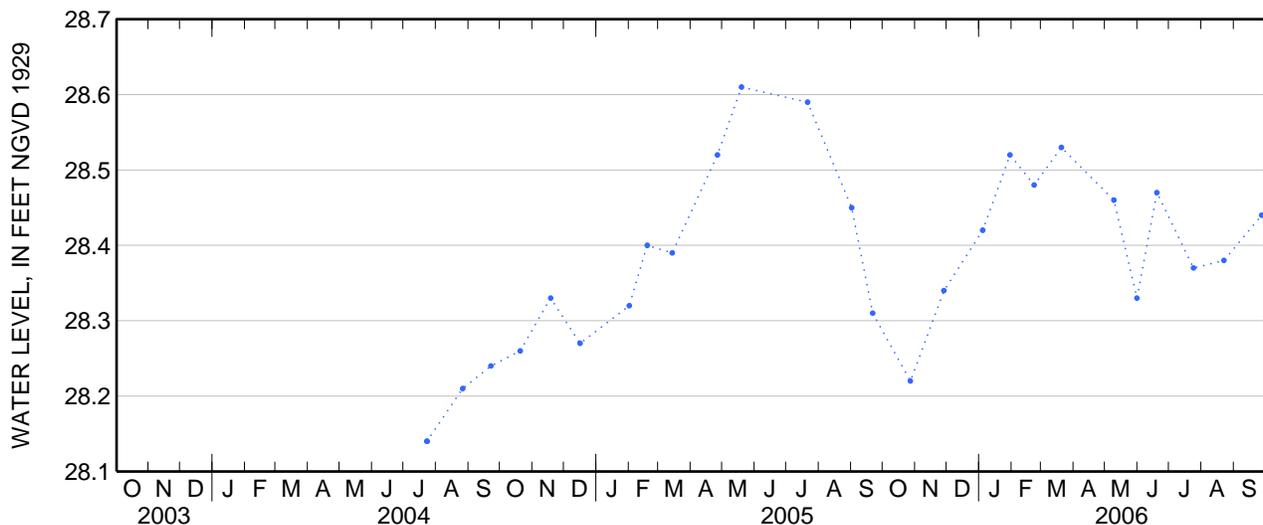
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.61 ft above sea level, May 19, 2005; lowest measured, 28.14 ft above sea level, July 23, 2004.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	28.22	May 9	28.46
Nov 28	28.34	31	28.33
Jan 4	28.42	Jun 19	28.47
30	28.52	Jul 24	28.37
Feb 22	28.48	Aug 22	28.38
Mar 20	28.53	Sep 27	28.44





Water-Data Report 2006

**403436074055501 Local number R 122. 1**

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

LOCATION.--Lat 40°34'36.2", long 74°05'54.5" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Midland Field Park, west side of Bedford Avenue, across from Laconia Avenue, Midland Beach, Staten Island.

**GROUND-WATER 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 14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft below land-surface datum.

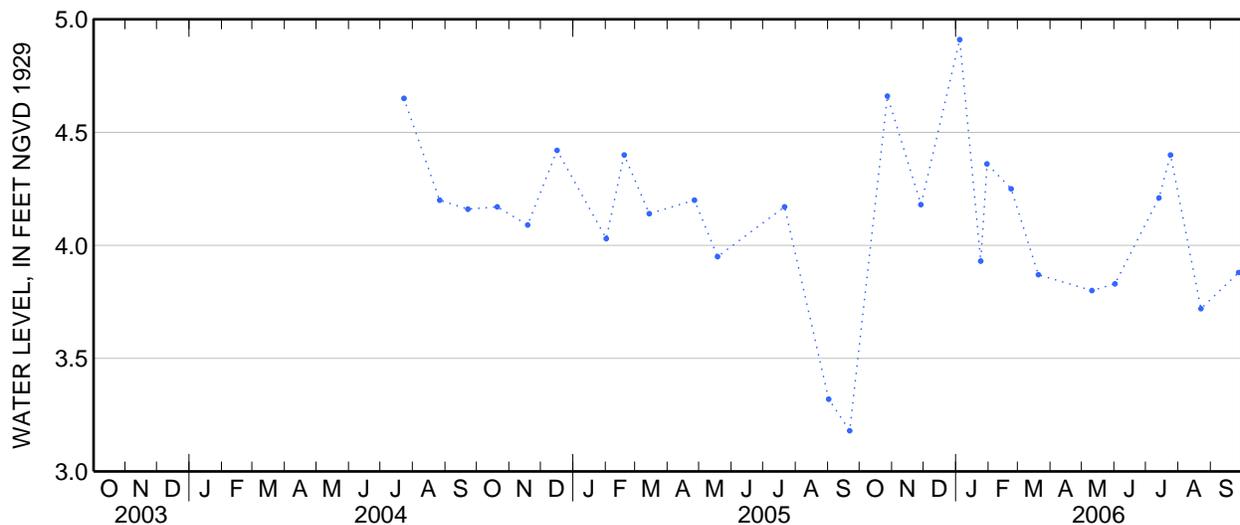
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.91 ft above sea level, January 4, 2006; lowest measured, 3.18 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	4.66	May 10	3.80
Nov 28	4.18	Jun 1	3.83
Jan 4	4.91	Jul 13	4.21
24	3.93	24	4.40
30	4.36	Aug 22	3.72
Feb 22	4.25	Sep 27	3.88
Mar 20	3.87		





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**403513074055701 Local number R 123. 1**

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

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

**GROUND-WATER RECORDS**

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

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

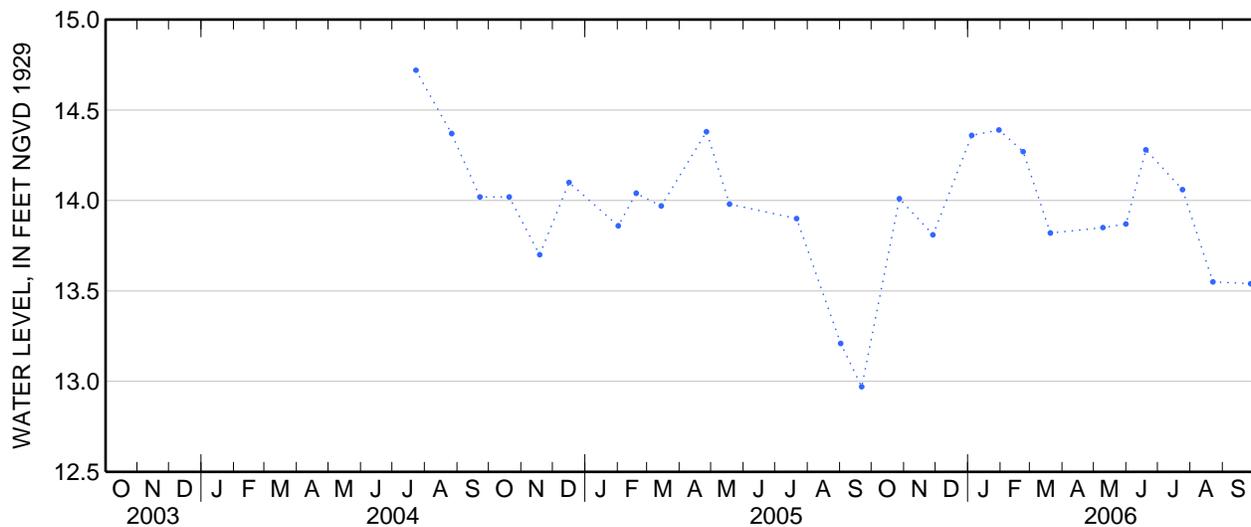
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.74 ft above sea level, July 23, 2004; lowest measured, 12.97 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	14.01	May 9	13.85
Nov 28	13.81	31	13.87
Jan 4	14.36	Jun 19	14.28
30	14.39	Jul 24	14.06
Feb 22	14.27	Aug 22	13.55
Mar 20	13.82	Sep 27	13.54





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**403615074043301 Local number R 124. 1**

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

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

**GROUND-WATER RECORDS**

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

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

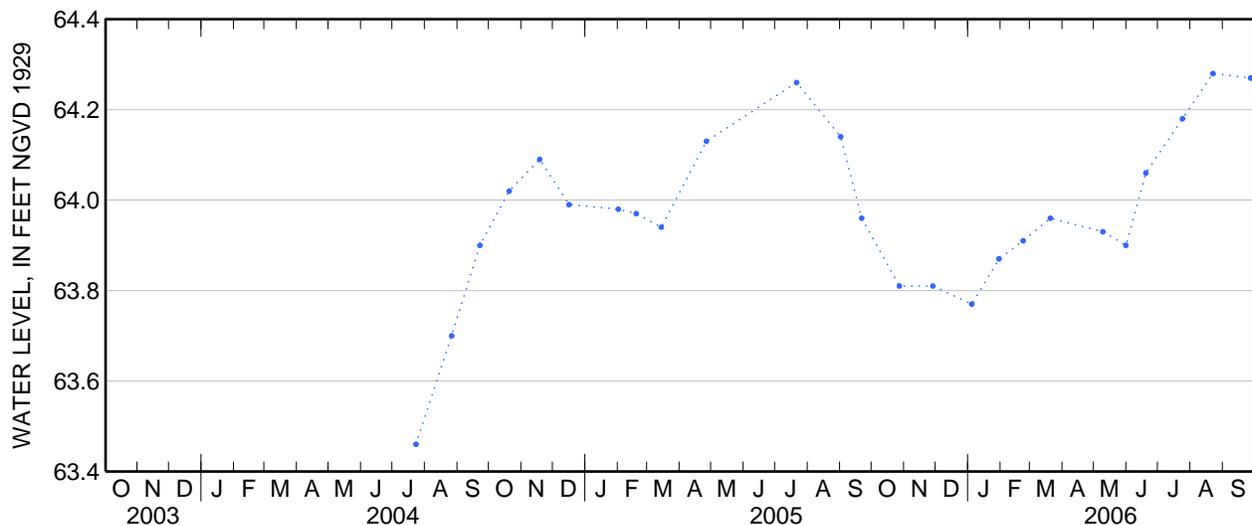
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.28 ft above sea level, August 22, 2006; lowest measured, 63.46 ft above sea level, July 23, 2004.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	63.81	May 9	63.93
Nov 28	63.81	31	63.90
Jan 4	63.77	Jun 19	64.06
30	63.87	Jul 24	64.18
Feb 22	63.91	Aug 22	64.28
Mar 20	63.96	Sep 27	64.27





Water-Data Report 2006

**403410074084101 Local number R 126. 1**

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

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

**GROUND-WATER RECORDS**

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

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

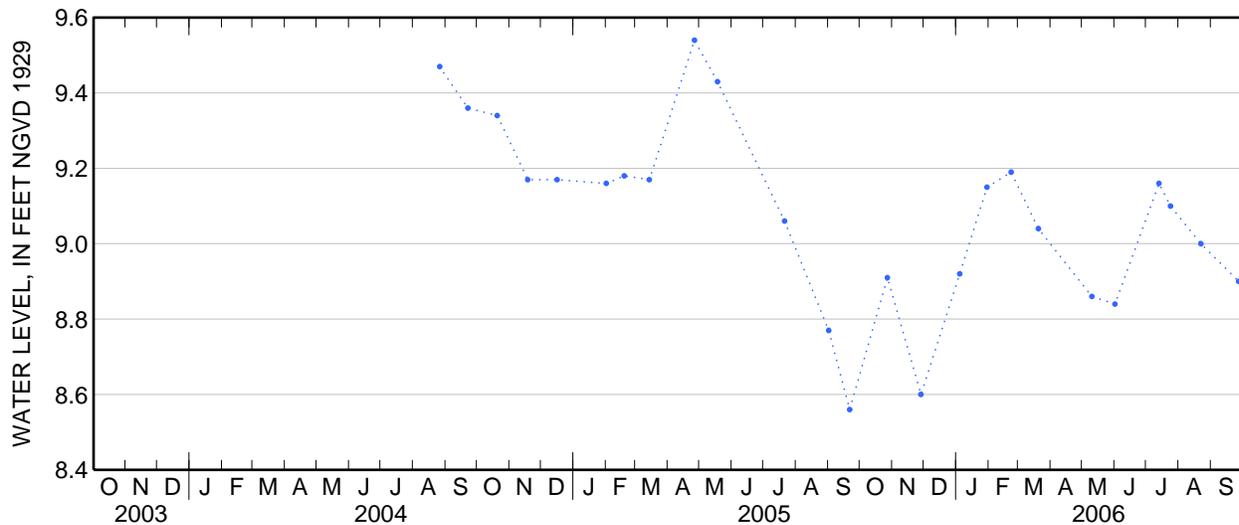
PERIOD OF RECORD.--August 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.54 ft above sea level, April 26, 2005; lowest measured, 8.56 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	8.91	May 10	8.86
Nov 28	8.60	Jun 1	8.84
Jan 4	8.92	Jul 13	9.16
30	9.15	24	9.10
Feb 22	9.19	Aug 22	9.00
Mar 20	9.04	Sep 27	8.90





Water-Data Report 2006

**403735074071401 Local number R 128. 1**

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

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

**GROUND-WATER RECORDS**

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

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

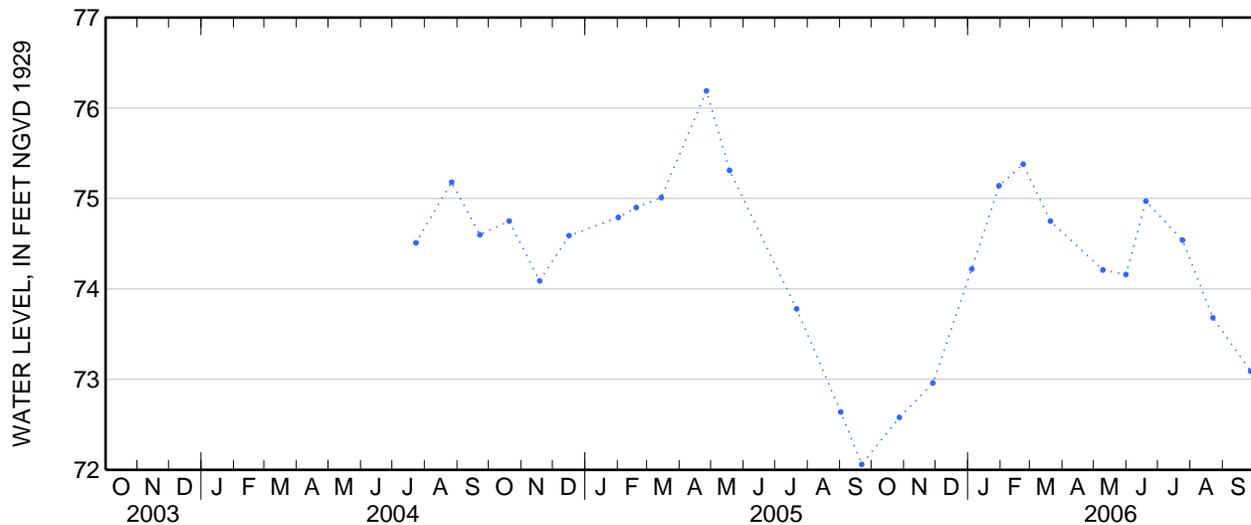
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.19 ft above sea level, April 26, 2005; lowest measured, 72.06 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	72.58	May 9	74.21
Nov 28	72.96	31	74.16
Jan 4	74.22	Jun 19	74.97
30	75.14	Jul 24	74.54
Feb 22	75.38	Aug 22	73.68
Mar 20	74.75	Sep 27	73.09





Water-Data Report 2006

**403047074125801 Local number R 129.1**

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

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

**GROUND-WATER RECORDS**

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

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

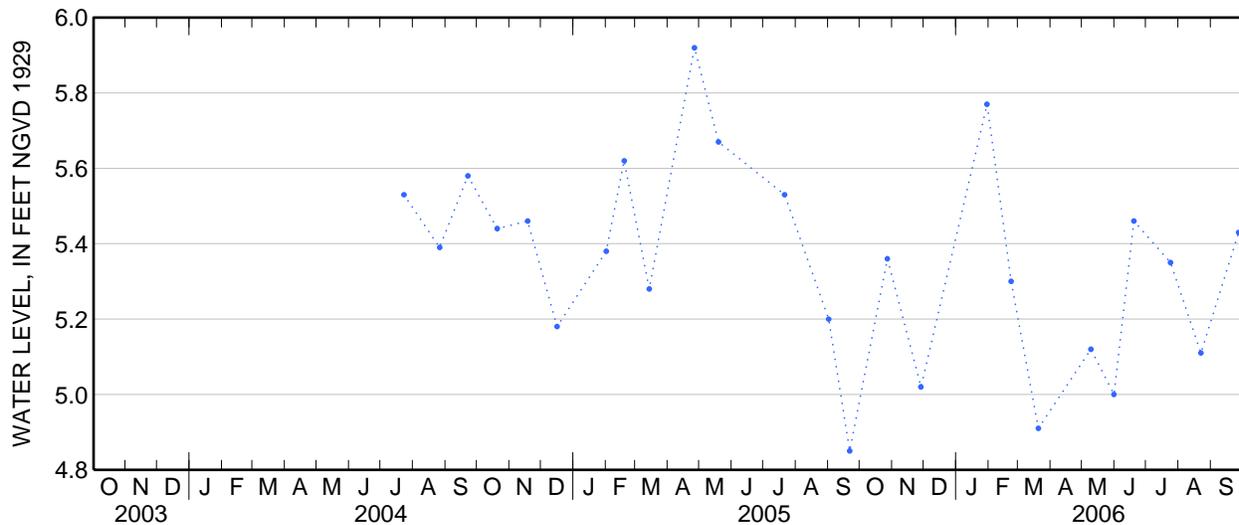
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.92 ft above sea level, April 26, 2005; lowest measured, 4.85 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	5.36	May 31	5.00
Nov 28	5.02	Jun 19	5.46
Jan 30	5.77	Jul 24	5.35
Feb 22	5.30	Aug 22	5.11
Mar 20	4.91	Sep 27	5.43
May 9	5.12		





Water-Data Report 2006

**403047074125901 Local number R 130. 1**

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

LOCATION.--Lat 40°30'46.9", long 74°12'57.9" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Mission of the Immaculate Virgin, northwest corner of upper parking lot, across from Omega II building, easternmost well, Mount Loretto, Staten Island.

**GROUND-WATER RECORDS**

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

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

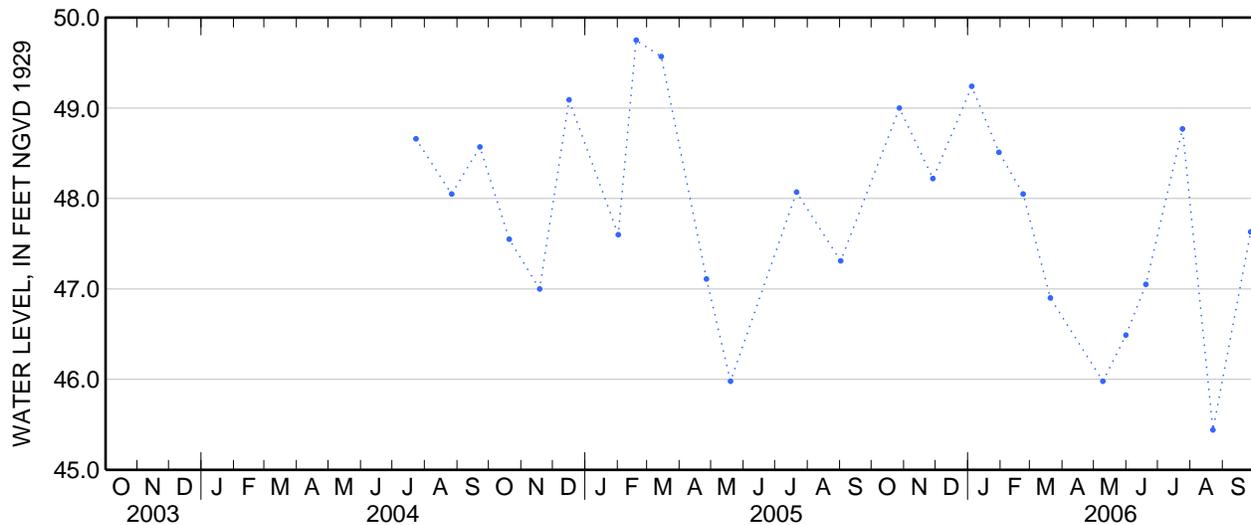
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.75 ft above sea level, February 18, 2005; lowest measured, 45.44 ft above sea level, August 22, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	49.00	May 9	45.98
Nov 28	48.22	31	46.49
Jan 4	49.24	Jun 19	47.05
30	48.51	Jul 24	48.77
Feb 22	48.05	Aug 22	45.44
Mar 20	46.90	Sep 27	47.63





Water-Data Report 2006

**403040074144801 Local number R 131.1**

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

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

**GROUND-WATER RECORDS**

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

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

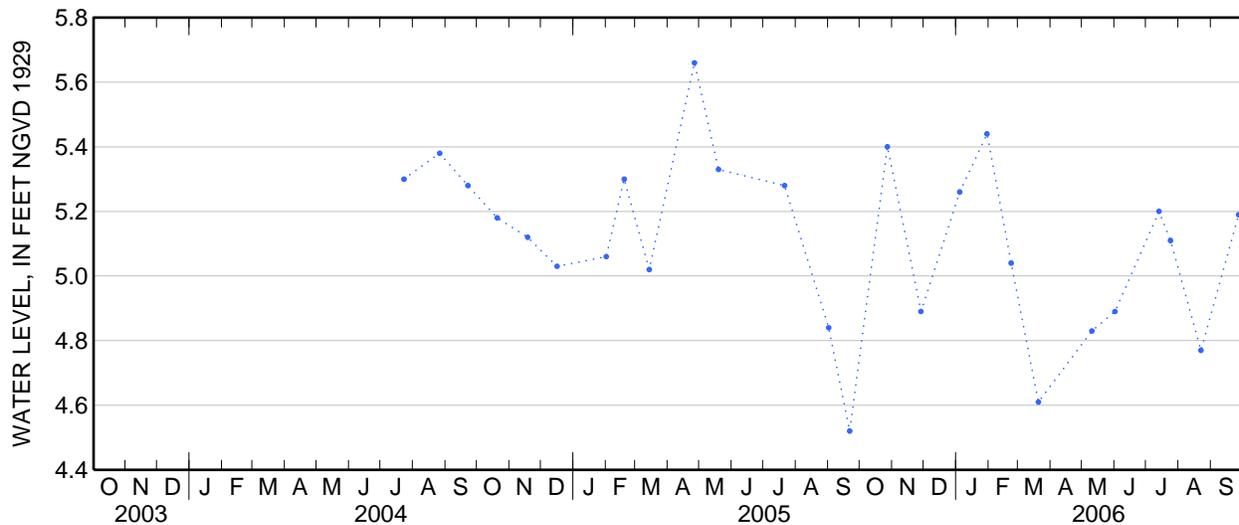
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.66 ft above sea level, April 26, 2005; lowest measured, 4.52 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	5.40	May 10	4.83
Nov 28	4.89	Jun 1	4.89
Jan 4	5.26	Jul 13	5.20
30	5.44	24	5.11
Feb 22	5.04	Aug 22	4.77
Mar 20	4.61	Sep 27	5.19



Water-Data Report 2006

**403040074144901 Local number R 132. 1**

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

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

**GROUND-WATER RECORDS**

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

DATUM.--Land-surface datum is 59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft below land-surface datum.

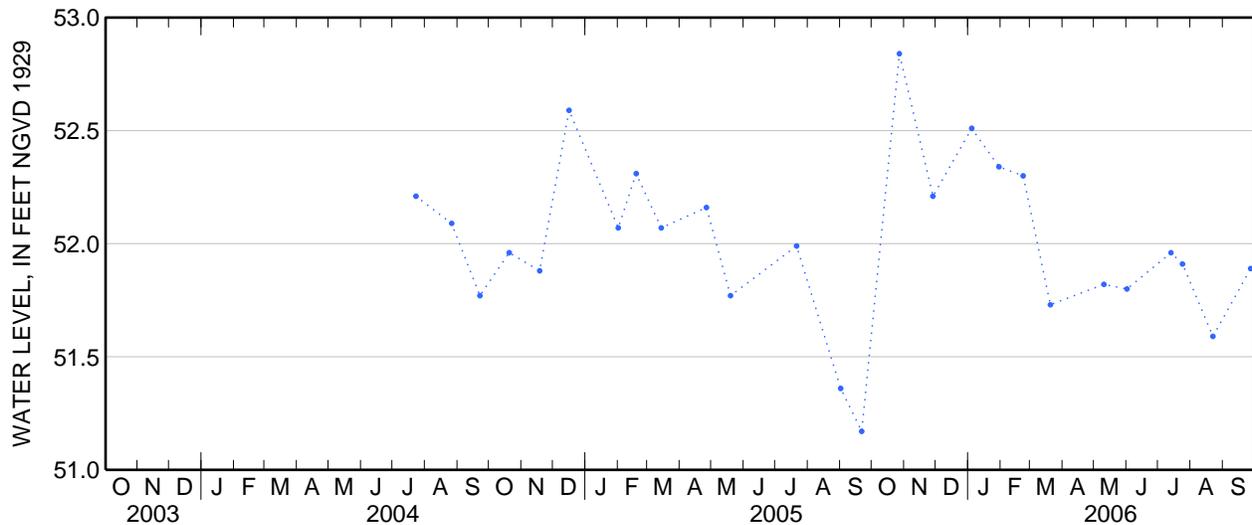
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft above sea level, October 27, 2005; lowest measured, 51.17 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	52.84	May 10	51.82
Nov 28	52.21	Jun 1	51.80
Jan 4	52.51	Jul 13	51.96
30	52.34	24	51.91
Feb 22	52.30	Aug 22	51.59
Mar 20	51.73	Sep 27	51.89





Water-Data Report 2006

**403143074115301 Local number R 133. 1**

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

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

**GROUND-WATER RECORDS**

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

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

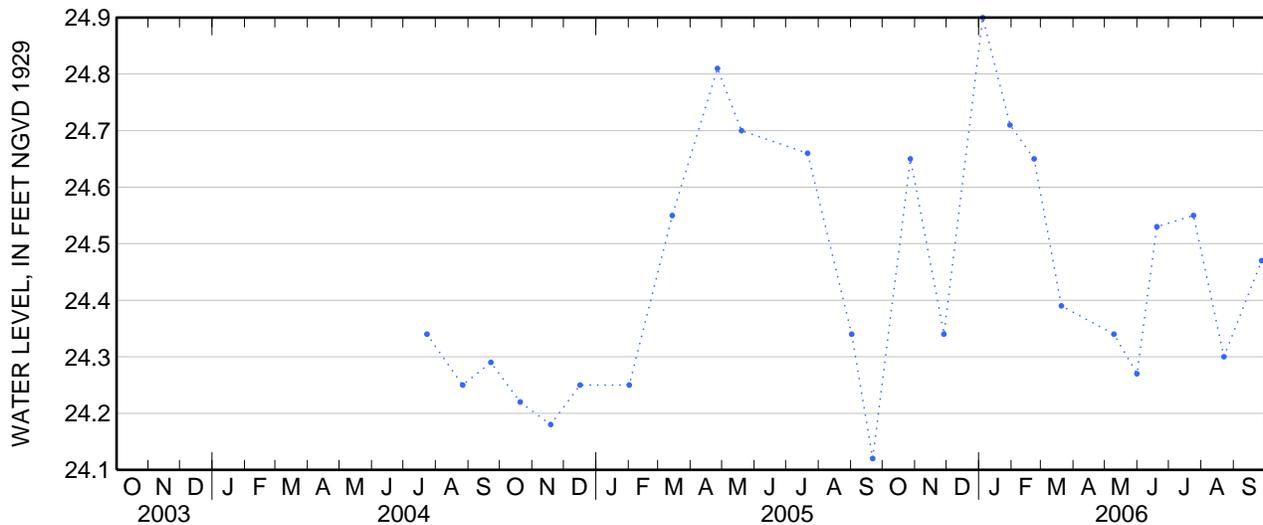
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.90 ft above sea level, January 4, 2006; lowest measured, 24.12 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	24.65	May 9	24.34
Nov 28	24.34	31	24.27
Jan 4	24.90	Jun 19	24.53
30	24.71	Jul 24	24.55
Feb 22	24.65	Aug 22	24.30
Mar 20	24.39	Sep 27	24.47





Water-Data Report 2006

**403547074090801 Local number R 134.1**

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

LOCATION.--Lat 40°35'46.8", long 74°09'08.1" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at Canterbury Avenue and D Street, Willowbrook, Staten Island.

**GROUND-WATER RECORDS**

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

DATUM.--Land-surface datum is 76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.06 ft below land-surface datum.

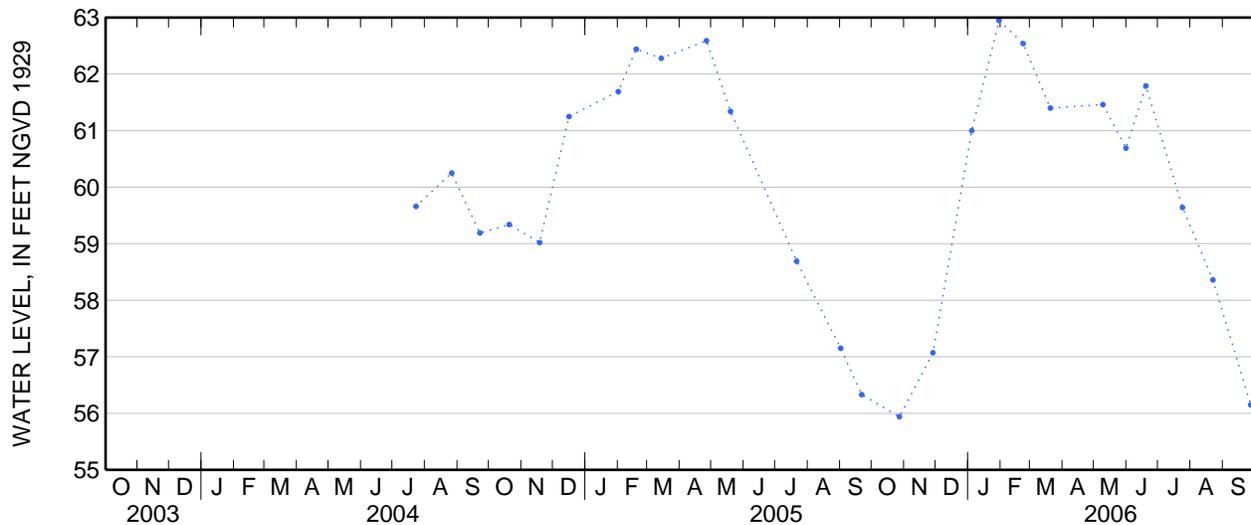
PERIOD OF RECORD.--July 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.95 ft above sea level, January 30, 2006; lowest measured, 55.94 ft above sea level, October 27, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	55.94	May 9	61.46
Nov 28	57.07	31	60.69
Jan 4	61.00	Jun 19	61.79
30	62.95	Jul 24	59.64
Feb 22	62.54	Aug 22	58.36
Mar 20	61.40	Sep 27	56.15





Water-Data Report 2006

**403533074064601 Local number R 135. 1**

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

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

**GROUND-WATER RECORDS**

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

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

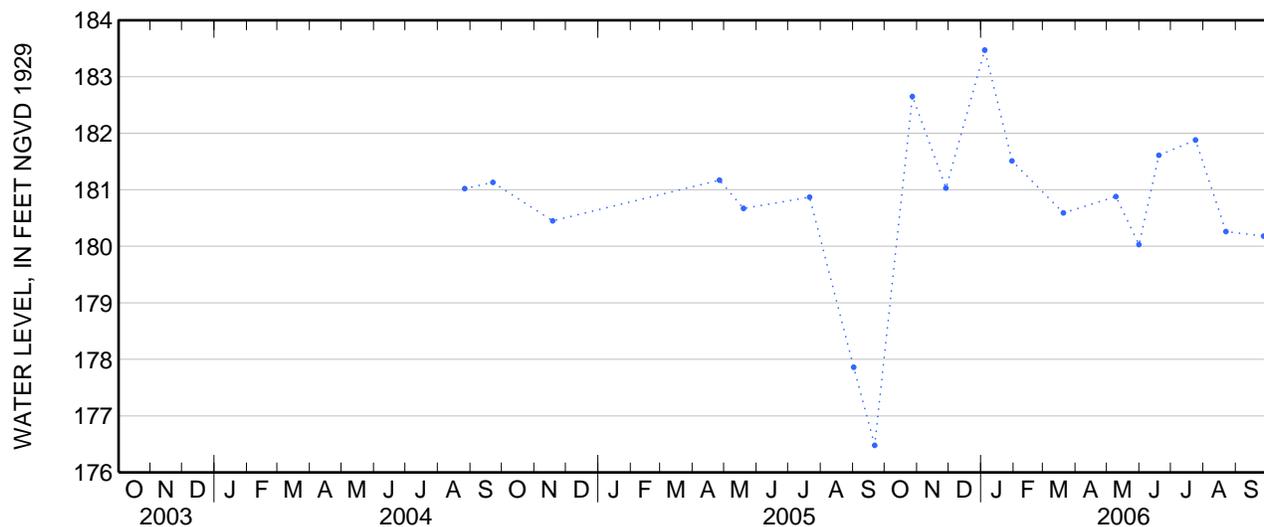
PERIOD OF RECORD.--August 2004 to current year.

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

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

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	182.65	May 31	180.03
Nov 28	181.03	Jun 19	181.61
Jan 4	183.47	Jul 24	181.88
30	181.51	Aug 22	180.26
Mar 20	180.59	Sep 27	180.18
May 9	180.88		



**403513074064301 Local number R 136. 1**

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

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

**GROUND-WATER RECORDS**

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

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

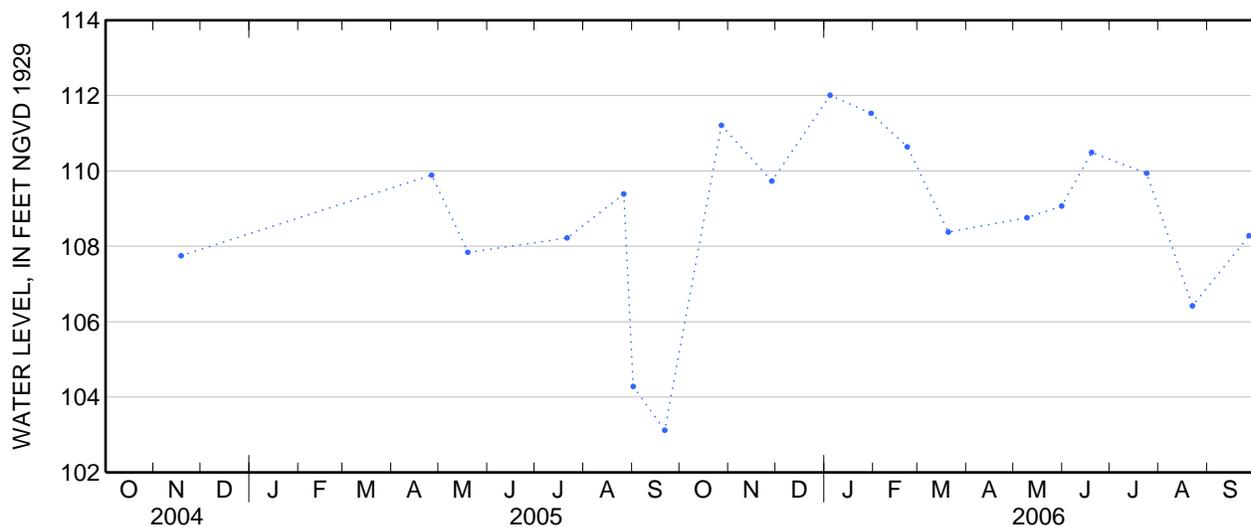
PERIOD OF RECORD.--November 2004 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.01 ft above sea level, January 4, 2006; lowest measured, 103.12 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	111.21	May 9	108.76
Nov 28	109.73	31	109.07
Jan 4	112.01	Jun 19	110.49
30	111.53	Jul 24	109.94
Feb 22	110.64	Aug 22	106.42
Mar 20	108.38	Sep 27	108.28





Water-Data Report 2006

**403339074101301 Local number R 137.1**

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

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

**GROUND-WATER RECORDS**

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

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

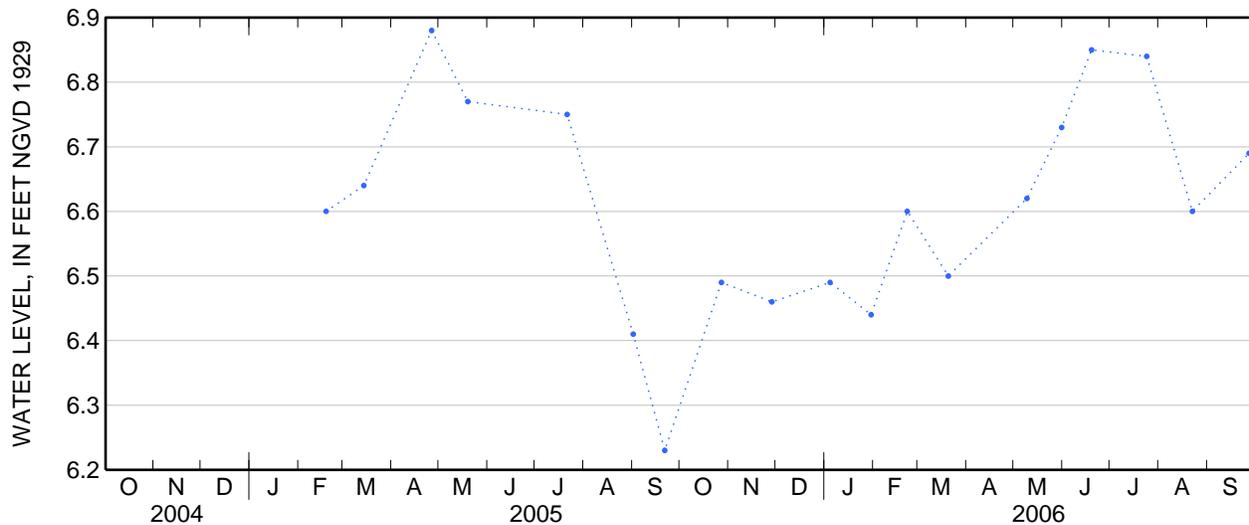
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.88 ft above sea level, April 26, 2005; lowest measured, 6.23 ft above sea level, September 21, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	6.49	May 9	6.62
Nov 28	6.46	31	6.73
Jan 4	6.49	Jun 19	6.85
30	6.44	Jul 24	6.84
Feb 22	6.60	Aug 22	6.60
Mar 20	6.50	Sep 27	6.69





Water-Data Report 2006

**403337074093501 Local number R 138. 1**

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

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

**GROUND-WATER RECORDS**

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

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

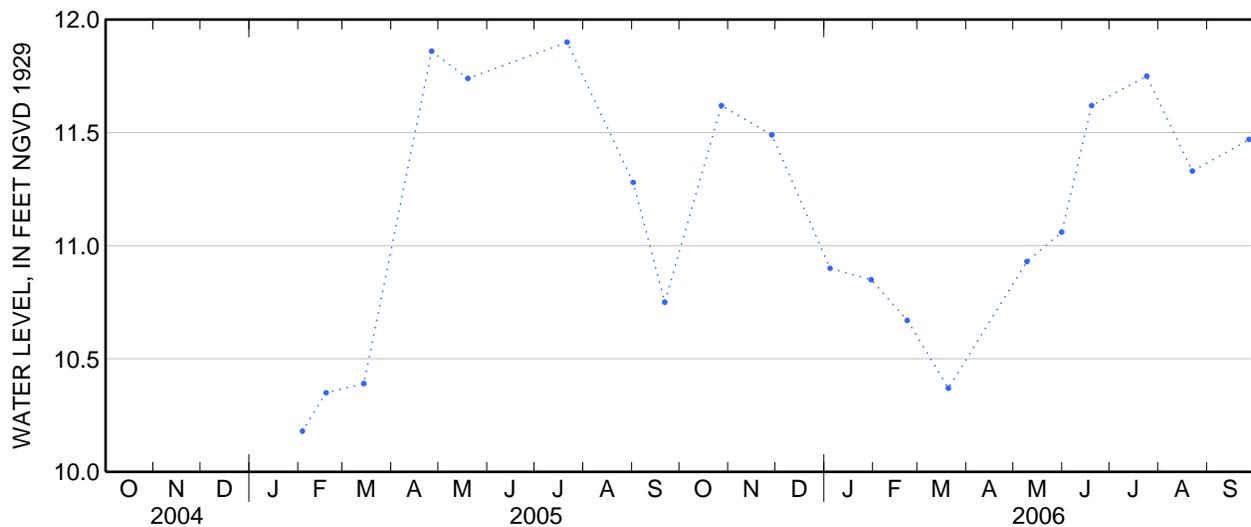
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.90 ft above sea level, July 21, 2005; lowest measured, 10.18 ft above sea level, February 3, 2005.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	11.62	May 9	10.93
Nov 28	11.49	31	11.06
Jan 4	10.90	Jun 19	11.62
30	10.85	Jul 24	11.75
Feb 22	10.67	Aug 22	11.33
Mar 20	10.37	Sep 27	11.47



**403337074093401 Local number R 139.1**

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

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

**GROUND-WATER RECORDS**

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

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

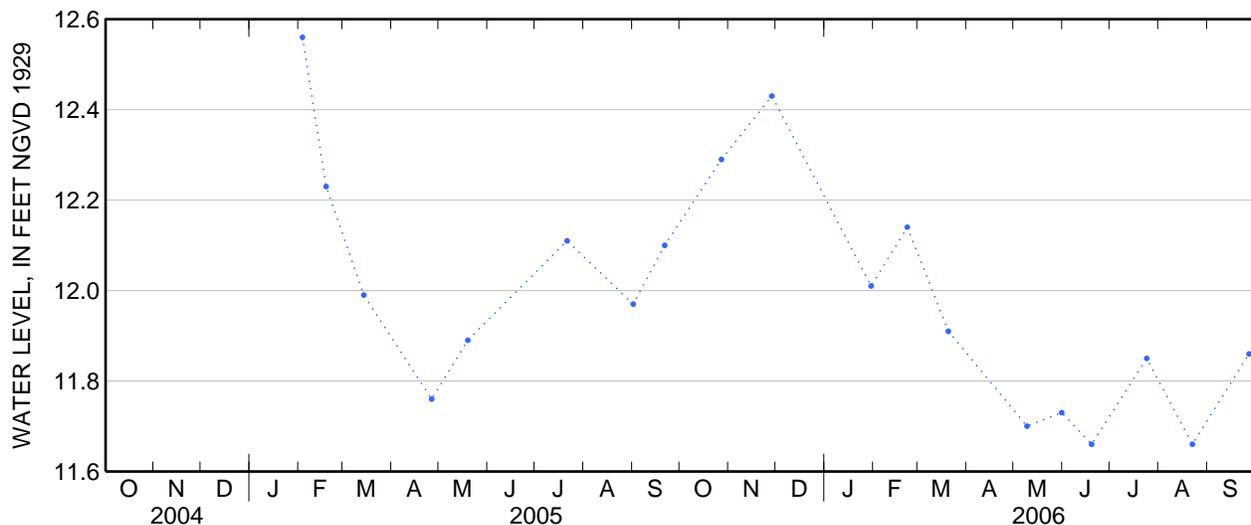
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.56 ft above sea level, February 3, 2005; lowest measured, 11.66 ft above sea level, June 19 and August 22, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	12.29	May 31	11.73
Nov 28	12.43	Jun 19	11.66
Jan 30	12.01	Jul 24	11.85
Feb 22	12.14	Aug 22	11.66
Mar 20	11.91	Sep 27	11.86
May 9	11.70		





Water-Data Report 2006

**403325074091801 Local number R 140.1**

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

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

**GROUND-WATER RECORDS**

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

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

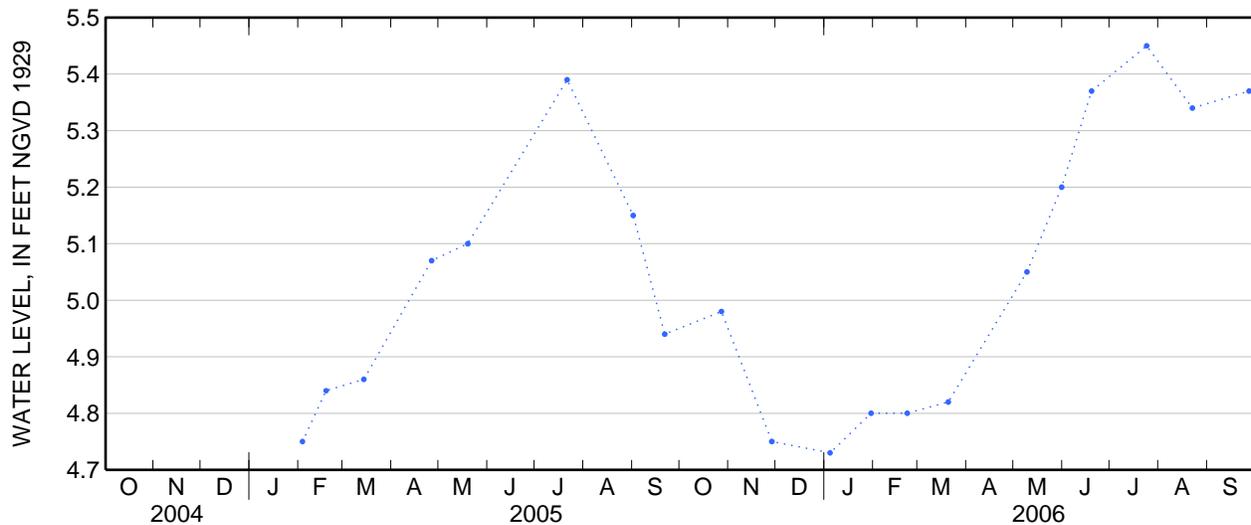
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.45 ft above sea level, July 24, 2006; lowest measured, 4.73 ft above sea level, January 4, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	4.98	May 9	5.05
Nov 28	4.75	31	5.20
Jan 4	4.73	Jun 19	5.37
30	4.80	Jul 24	5.45
Feb 22	4.80	Aug 22	5.34
Mar 20	4.82	Sep 27	5.37





Water-Data Report 2006

**403326074091801 Local number R 141.1**

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

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

**GROUND-WATER RECORDS**

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

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

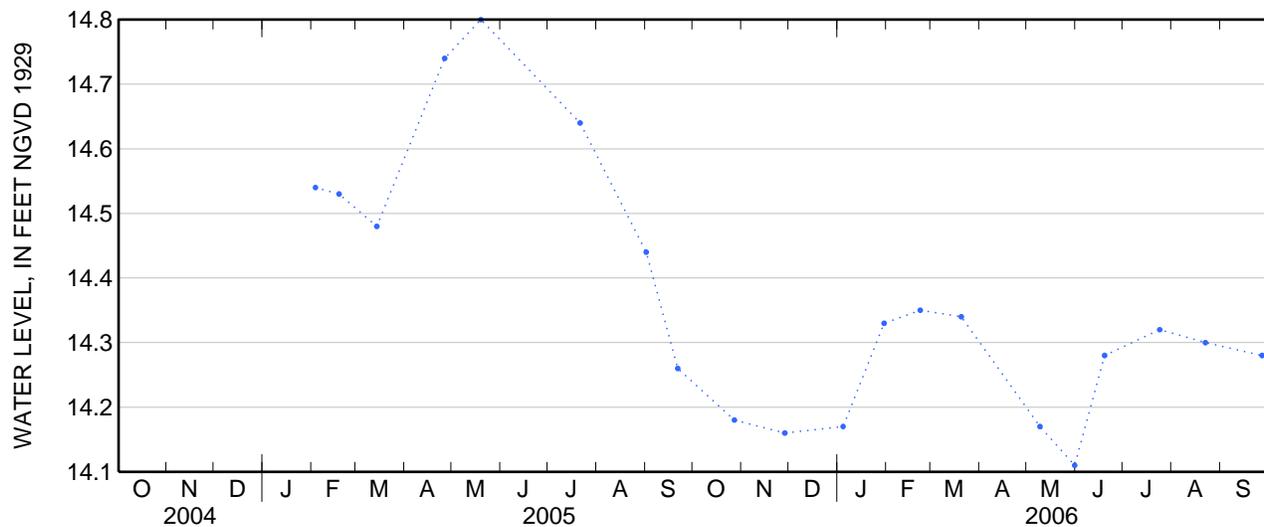
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.80 ft above sea level, May 19, 2005; lowest measured, 14.11 ft above sea level, May 31, 2006.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	14.18	May 9	14.17
Nov 28	14.16	31	14.11
Jan 4	14.17	Jun 19	14.28
30	14.33	Jul 24	14.32
Feb 22	14.35	Aug 22	14.30
Mar 20	14.34	Sep 27	14.28





Water-Data Report 2006

**403402074090701 Local number R 142.1**

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

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

**GROUND-WATER RECORDS**

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

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

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

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

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

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Water level	Date	Water level
Oct 27	7.27	May 9	7.02
Nov 28	7.05	31	6.88
Jan 4	8.03	Jun 19	7.17
30	7.71	Jul 24	7.17
Feb 22	7.50	Aug 22	6.56
Mar 20	7.13	Sep 27	6.63

