



NEW YORK CITY BEACH
2012

**SURVEILLANCE AND
MONITORING PROGRAM**

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SECTION 1

INTRODUCTION

In accordance with the New York City Administrative Code §18-131 (c) (4), this annual report summarizes the 2012 New York City Beach Surveillance and Monitoring Program for permitted beaches. This law requires that the Commissioner of Health and Mental Hygiene “forward a combined report of the dates and results of all inspections of all bathing beaches and the dates and reasons for any advisory or closure, and such other information deemed appropriate by the Commissioner of Health and Mental Hygiene, for the Friday proceeding the last Monday of May until the Friday after the first Monday of September of each year, to the Mayor, the Public Advocate and the Speaker of the Council.”

Under both Article 167 of the New York City Health Code (Article 167) and Subpart 6-2 of the New York State Sanitary Code (Subpart 6-2), the NYC Department of Health and Mental Hygiene (DOHMH or the “Department”) is required to monitor and conduct surveillance of permitted beaches in the City of New York. In order to meet requirements under Article 167, the Department administers the Beach Surveillance and Monitoring Program to its eight public and fifteen private permitted beaches. The Program includes: 1) collecting routine beach water quality monitoring; 2) conducting annual compliance inspections of beach facilities; and 3) regulatory surveillance.

New York City has miles of shoreline available for recreational activities like swimming, boating, and fishing, and also commercial activities like shipping and transportation (refer to Figure 1, page 2 for beach locations). The City’s beaches function as an important recreational resource for City residents and neighboring communities. As shown in Table 1 (page 3), there are eight public and fifteen private permitted beaches.

Figure 1: VIEW OF MANHATTAN FROM BREEZY POINT REID AVE



Figure 2: LOCATION OF NEW YORK CITY PERMITTED BEACHES

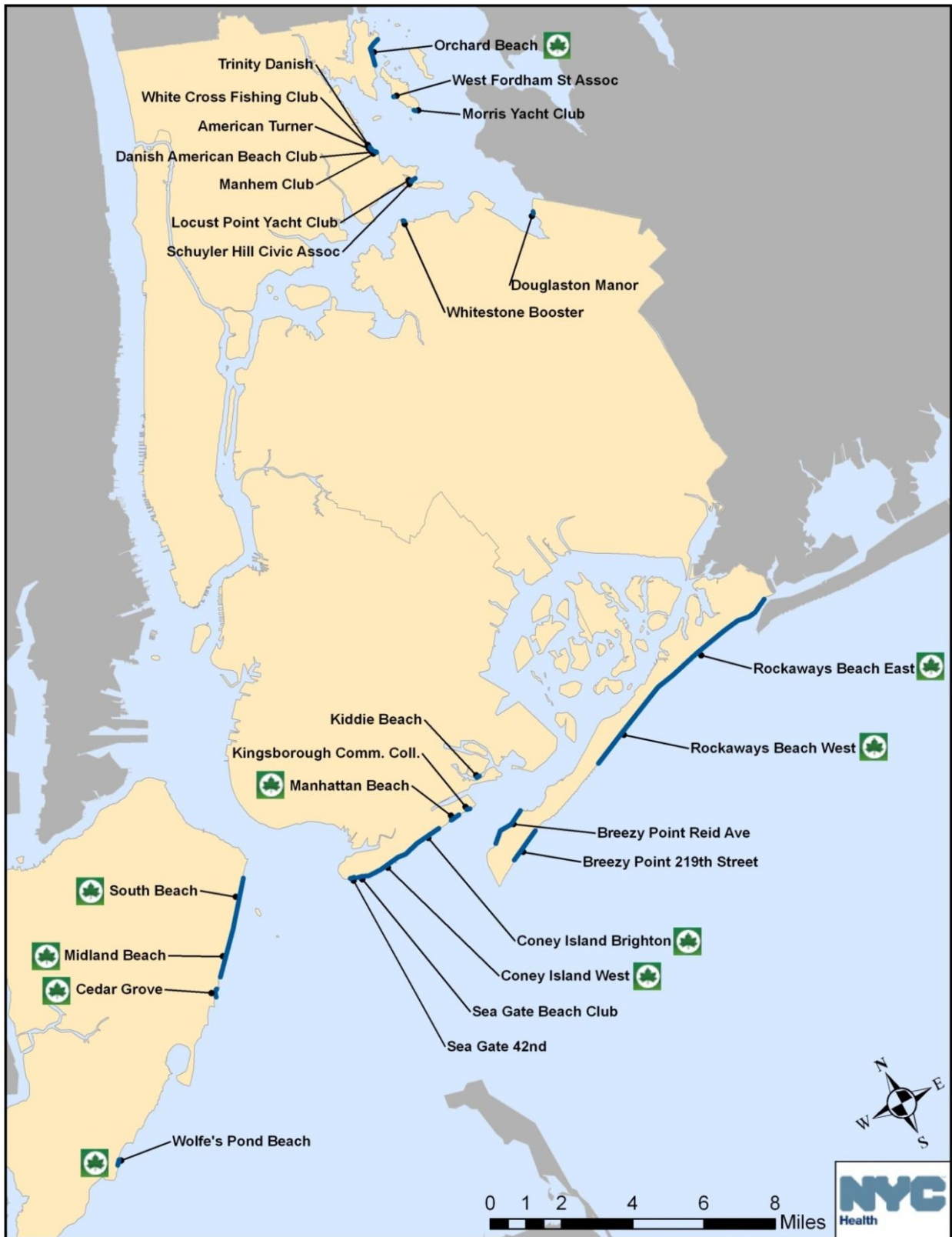


Table 1:

NEW YORK CITY PERMITTED BEACHES AND WATER BODY IDENTIFICATION

Borough	Sector	Beaches	Area	Water body
Brooklyn	Public	Coney Island Manhattan	From Norton's Point to Sheepshead Bay	Lower New York Bay
	Private	Seagate , Kiddie Gerritsen Kingsborough		
Bronx	Public	Orchard	From the southeastern border of Westchester County to just below the Throgs Neck Bridge at Throgs Point	Eastchester Bay, Western Long Island Sound
	Private	American Turner Danish American Manheim White Cross Morris Yacht Schuyler Hill Trinity Danish Locust Point Yacht Club West Fordham Street		
Queens	Public	Rockaway	The southern side of Rockaway Peninsula; From Norton's Point to Sheepshead Bay; Little Neck Bay	Western Long Island Sound; Atlantic Ocean Coastline
	Private	Breezy Point Douglaston Manor Whitestone Booster Civic Association		
Staten Island	Public	Midland, South Wolfe's Pond Park Cedar Grove	From Page Avenue, east of Tottenville to Fort Wadsworth Reservation	Lower New York Bay, Raritan Bay

SECTION 2

BACKGROUND INFORMATION

This chapter provides background information on the New York City Beach Surveillance and Monitoring Program. The topics of discussion include pathogen indicators, bacteriological quality standards, classification of beaches, procedures and protocols on sampling and surveillance, and public notification and risk communication.

2.1 Bacteriological Quality Standards

Under the New York State Sanitary Code §6-2.15, Article §167.03 of the New York City Health Code and the Federal Beaches Environmental Assessment and Coastal Health Act of 2000 (BEACH) Act, Enterococci is the indicator organism mandated for evaluating the microbiological quality of saline recreational beach water. Under New York State Sanitary Code and the New York City Health Code, Enterococci single sample results shall not exceed 104 Colony Forming Units (CFU's) per 100 mL, and the Enterococci geometric mean shall not exceed 35 CFU per 100 mL for a series of five or more samples collected during a 30-day period. The geometric mean and single sample maximum is determined by analyzing samples for the presence and quantification of Enterococci using EPA method 1600.

2.2 Beach Classification and Status Updates

Beach classification and status updates are determined by evaluating water quality data, sanitary and safety surveys, site conditions, and/or historical information. Beachfront areas except those specifically restricted under Article §167.05 are classified as follows:

Class A: Open for Swimming and Bathing. All of the following conditions are considered in order for a beach to be classified as open and approved for swimming and bathing:

1. Bathing beach water quality is in accordance with standards defined under Article §167.13.
2. Sanitary and safety surveys are satisfactory in accordance with Article §167.25.
3. The epidemiological history is satisfactory to the Department. No repeated complaints/reports of illness/injury received from the public or from owners/operators of bathing beaches.

Class B: Under Advisory – Not Recommended for Swimming and Bathing. When any of the following conditions are present, the Department may place the beach/facility under advisory, notifying the public of the likelihood of polluted water conditions, and recommend to the public to avoid swimming in the affected water body:

1. Rainfall events exceed the preemptive standards/threshold of New York City Wet Weather Advisories, as issued by the Department at the beginning of each bathing season.
2. A sanitary and safety survey or investigation reveals the presence of floatable debris, medical/infectious waste, toxic contaminants, petroleum products, and/or other contamination on the beach or evidence of sewage and wastewater discharge, which may constitute a potential public health hazard.

Swimming or bathing is not recommended in any area placed under an Advisory by the Department, especially for people with underlying medical conditions and for young and elderly people who may be at a greater risk of contracting swimming related illnesses.

Under “Class B” beach classification, there are two advisories, Wet Weather Advisory and Pollution Advisory, and they are as follows:

Wet Weather Advisory: This preemptive standard is defined as a threshold level of precipitation that, when exceeded, can lead to elevated levels of bacteria due to Combined Sewer Overflow’s (CSO’s) and Stormwater runoff. Untreated sewage bypasses and excess Stormwater runoff can potentially pose a public health threat in nearby bathing beach water bodies. The Wet Weather Advisories for the City beaches are shown in Table 2 below:

Table 2: NEW YORK CITY WET WEATHER ADVISORY PROTOCOL

Beach (Borough)	Rainfall Event Limit	Duration of Advisory
South Beach, Midland Beach, Cedar Grove (SI), Manhattan Beach, Kingsborough CC (BK)	1.5 – 2.5 inches	12 hours
	> 2.5 inches	24 hours
Orchard Beach (BX)	> 2.5 inches	24 hours
Coney Island (BK)	> 2.5 inches	12 hours
Gerritsen Beach (BK), Whitestone Booster (QNs)	0.3 - 0.6 inches	18 hours
	> 0.6 inches	40 hours
All Bronx Private Beaches (BX): American Turner, Danish American , Manheim, White Cross, Morris Yacht, Schuyler Hill, Trinity Danish, Locust Point Yacht Club, West Fordham Street Assoc.	0.6 – 2.5 inches	36 hours
	> 2.5 inches	48 hours
Douglaston Manor (QNs)	0.3 – 0.6 inches	30 hours
	0.6 – 2.5 inches	60 hours
	> 2.5 inches	72 hours

Pollution Advisory: A Pollution Advisory is issued to warn the public to avoid recreational water contact when bacteria levels or other conditions that may contribute to possible illness are present. A pollution advisory is issued under the following conditions: (1) when naturally occurring organisms or human influences may cause a continuous or reoccurring degradation of water quality that would put public health at risk; (2) when a sanitary and safety survey or investigation reveals the presence of floatable debris, medical/infectious waste or toxic

contaminants, petroleum products and/or other contamination on the beach; or (3) when there is evidence of sewage and wastewater discharge.

Class C: Closed – Temporarily Restricted for Swimming and Bathing. Permitted beaches may be classified as “Temporarily Restricted for Swimming and Bathing” when one or more of the following conditions exists:

1. Confirmed samples show that bathing beach water quality exceeds the statutory water quality standard for marine water beaches;
2. Epidemiological data indicates a significant incidence of related illnesses or repeated complaints/reports of illness/injury received from beach patrons;
3. A sanitary and safety survey or an investigation reveals the presence of potentially hazardous amounts of floatable debris, medical/infectious waste, toxic contaminants, petroleum products or other contaminants on the beach, or there is evidence of sewage and wastewater discharges in sufficient quantities that will adversely affect the quality of the beach water; or
4. Any other environmental factors determined to be a public health or safety hazard by the Department.

2.3 Routine Monitoring and Surveillance Procedures

The routine beach monitoring and surveillance procedures consist of the following three major components: (1) routine beach water quality monitoring; (2) compliance inspections; and (3) regulatory surveillance.

The Department monitors and samples each beach on a weekly basis with the exception of the Rockaway and Breezy Point beaches, which are routinely sampled bi-weekly. Additional samples may be collected when necessary. The determining factors for additional sampling may include: (1) proximity to suspected pollution sources; (2) extent of pollution; (3) beach use; (4) historical water quality data; and (5) other health risk factors.

Prior to sample collection, a visual inspection is performed to identify any existing and/or potential sources of pollution that are likely to affect beach water quality. During a sample event, three samples are collected at each beach. At larger beaches, such as Coney Island and Rockaway, additional samples are taken at multiple locations to ensure adequate representation and reliable data results. Water samples are collected at knee-depth (18 inches) in three feet of water, at the middle of a typical or most highly used area of the beach, or near a potential source of pollution. The collected samples are delivered to the Department’s Office of Public Health Laboratories (PHL) for analysis. The analytical turnaround time for Enterococci is 24 hours.

The water quality of the samples analyzed is reviewed and assessed based on conformance or non-conformance to applicable standards. If the regulatory limit for Enterococci is exceeded or conditions exist which may pose a threat to the health and/or safety of the public, the Department will initiate one of the following actions: (1) conduct immediate re-sampling; (2) issue a pollution advisory and conduct re-sampling; and/or (3) close the beach and conduct re-sampling.

Beach sanitary surveys are performed during the season at each permitted facility; direct observations of conditions are supplemented by interviews with lifeguards and other personnel. In addition to routine water quality monitoring, the Department monitors on a daily basis the regional wet weather conditions and occasional Waste Water Treatment Plant (WWTP) bypasses, operational upsets and spills through interagency communication and cooperation. This information can be used to assess and make beach status determinations.

2.4 Public Notification and Risk Communication

Upon evaluation and assessment of beach water quality as specified above, when beach status changes occur, the Department notifies the public by on-site postings, website postings, through 311 (non-emergency government service hotline), via Notify NYC, Twitter, RSS, e-mail, SMS and through Department press releases (when necessary). Beach operators are notified by phone and/or email as to the necessary on-site postings.

These procedures have three aims: (1) to provide timely public notification and risk communication that allows the public to discern if a particular beach area is closed or poses a potential health risk and make informed decisions about which beaches to frequent; (2) promote public education and participation in keeping beaches cleaner and improving public health and safety; and (3) serve as a communication link between the public, environmental advocates and related agencies to provide an efficient means for reporting of bathing related illnesses, chemical spills, or other incidents.

The specific notification procedures and requirements for each of the above conditions are as follows:

On-Site Postings: When notified by the Department, the permittee is required to post or remove the advisory or closure signs in designated areas visible to beach users such as beach entrances, bulletin boards, or the general vicinity of the common swimming areas.

Website Postings: The Department has developed an easily accessible, multi-functional website that contains the most up-to-date status of all permitted beaches: www.nyc.gov/health/beach. The website contains background and public education information summarizing the beach program, explains the causes and sources of surface water pollution, and summarizes the beach classification system, including different types of advisories. The website also provides an electronic form titled "The Illness Complaint Form" for reporting illnesses suspected of being related to swimming and bathing. A list of City beaches by borough, along with their respective

status (Open, Closed, or Under Advisory) and sample results are updated on the website. Additionally, beach advisories or closures are also posted under the “NYC Right Now” link on the City website, www.nyc.gov, during the bathing season.

311: The 311 telephone operators are updated by the Department via email with advisory or closure information, as described above. In addition to reporting swimming related illnesses via the website, the public can also report an illness via 311.

NYC Press Release: Press releases are formatted in a way that various types of media (newspaper, radio, website, television) can obtain and disseminate information.

Notify NYC: When notified by the Department of status changes relating to public beaches the Office of Emergency Management will send members of the public who have signed up to Notify NYC status information via Twitter, RSS, E-Mail and SMS.

SECTION 3

FINDINGS

3.1 Water Quality and Illness Reporting

Routine water quality monitoring and sample collection was performed at all twenty three permitted beaches. Approximately 1600 samples were collected and analyzed from these beaches between April and September. A total of one complaint related to swimmer's itch was reported to DOHMH. Swimmer's itch is a type of skin rash caused by tiny snails which naturally occur in the area. The allergic reaction of swimmer's itch can be extremely annoying but is not likely to be dangerous and will not spread. Swimmer's itch occurs throughout New York State and many other regions. For more information about swimmer's itch please go to the following link on the cities website http://www.nyc.gov/html/doh/html/beach/beach_risks1.shtml.

3.2 Advisories and Closures

The Department provided public information about beach quality and safety through on-going communication with beach operators, updating of the beach water quality website, and by providing information through 311, nyc.gov and Notify NYC via Twitter, RSS, e-mail and SMS. There were no beach closures and 2 pollution advisory days for public beaches during the 2012. Private beaches had 131 closure days and 237 pollution advisory days. The repetitive North Easterly track of isolated, brief and intense rainstorms throughout the season had an impact on private beaches in the Bronx which are susceptible to runoff resulting in elevated bacteriological levels. Bronx private beaches are located in the western tip of the Long Island Sound which has a complex hydrodynamic system. Long retention times, complex water circulation and mixing patterns and seasonal tidal variations can produce poor mixing in these waters and as a result may contribute to deteriorated water quality. Orchard Beach in the Bronx was the only public Beach that was placed under a pollution advisory in 2012. The Duration of the advisory was approximately 24 hours because of elevated levels of Enterococci which were detected immediately after one of the above mentioned rainstorm episodes.

Routine sample monitoring at Breezy point on the western tip of the Rockaway Peninsula showed uncharacteristic elevated bacteriological levels on two different occasions during July. Because this Tier III beach historically and consistently has water quality well within the standards, these increased levels warranted an investigation into the possible source. It was noted that samples collected during an incoming tide had increased levels of Enterococci. During an on-site investigation it was also noted that there was a significant seagull population inhabiting the beach and walking along the wash zone between high and low tides. It is believed that uptake of Enterococci occurred as the incoming tide washed over bird waste which was scattered along the shore line into the water column as the water level rises during high tide. As part of the investigation the Department worked with adjacent beaches to coordinate a beachfront cleanup effort to remove floatables, garbage and other debris in order to deter the seagull population. There was also an exceptional bloom of mussels in the harbor in

July which also resulted in the increased bird activity in the area. This phenomenon was also noted in Wolfe's Pond beach in late July where the Department of Parks and Recreation noted a distinct increase in the amount of mussels washing up onto the shoreline.

Douglaston Manor Beach in Queens was closed a total of 39 days and had Pollution Advisories posted for 15 days during the season because of localized elevated bacteria levels, likely due to failing septic systems in the area. The specific Advisory and Closure dates for each beach, are shown in Attachment B-2012 Advisories & Closures (page 14).

3.3 Compliance Inspections

During the 2012 bathing season, a total of 108 inspections were conducted by the Department at permitted beaches. As shown in Attachment C-2012 Non-Compliance Summary (page 21), both general violations and public health hazard violations were observed at both public and private beaches.

APPENDIX A: 2012 WATER QUALITY RESULTS

TABLE A-1: Brooklyn Beaches Water Quality Results
Enterococci Geometric Mean (Count/100ml)

Water Quality Standards: 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml

Date of Week Ending	CONEY ISLAND BEACH		MANHATTAN BEACH		GERRITSEN/ KIDDIE BEACH		KINGSBOROUGH COMMUNITY COLLEGE		SEA GATE 42ND		SEA GATE BEACH CLUB	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/26/2012	10	21	12	49	69	717	18	24	15	35	16	72
6/2/2012	7	7	8	4	19	6	12	4	7	4	7	4
6/9/2012	7	4	12	35	34	77	13	6	7	4	7	5
6/16/2012	7	5	20	97	25	6	10	6	6	5	7	4
6/23/2012	7	5	23	9	25	5	10	22	7	7	8	7
6/30/2012	5	5	16	9	13	31	7	4	6	15	6	19
7/7/2012	6	13	20	10	16	14	7	5	6	4	7	6
7/14/2012	8	21	13	4	9	4	6	4	7	7	8	14
7/21/2012	8	6	7	6	14	69	7	9	7	6	8	4
7/28/2012	8	5	7	5	14	4	5	6	7	6	7	4
8/4/2012	10	12	7	10	11	12	6	5	6	5	5	4
8/11/2012	8	6	11	98	12	20	7	17	8	21	6	12
8/18/2012	6	4	11	4	13	5	8	6	7	4	5	4
8/25/2012	6	8	10	4	8	9	8	9	6	4	5	4
9/1/2012	6	4	11	12	9	7	11	34	6	6	5	6

TABLE A-2 Bronx Beaches Water Quality Results
Enterococci Geometric Mean (Count/100ml)

Water Quality Standards: 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml

Date of Week Ending	ORCHARD BEACH		AMERICAN TURNER		DANISH AMERICAN BEACH CLUB		LOCUST POINT YACHT CLUB		MANHEM CLUB		MORRIS YACHT AND BEACH CLUB		SCHUYLER HILL CIVIC ASSOCIATION		TRINITY DANISH		WEST FORDHAM STREET ASSOCIATION		WHITE CROSS FISHING CLUB	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/26/2012	6	7	50	26	36	45	48	30	32	52	19	5	28	7	35	49	27	151	69	163
6/2/2012	8	27	49	80	48	57	40	31	28	15	26	86	39	42	39	164	29	50	80	93
6/9/2012	8	9	56	480	61	666	42	92	42	655	27	34	37	93	42	224	16	7	73	220
6/16/2012	8	4	48	6	56	22	35	15	49	28	22	8	21	20	49	9	26	53	56	9
6/23/2012	8	4	48	5	54	6	22	4	52	6	22	4	19	4	53	6	32	12	52	5
6/30/2012	8	12	37	5	36	9	17	8	30	4	16	38	19	8	55	56	24	36	45	70
7/7/2012	8	17	34	44	30	25	14	11	25	10	30	598	14	8	38	18	17	7	39	39
7/14/2012	7	6	17	4	13	5	7	4	11	4	20	4	7	4	24	14	17	7	20	4
7/21/2012	7	5	17	53	14	87	6	5	13	462	32	92	6	6	22	55	16	41	19	48
7/28/2012	8	5	19	8	19	27	6	4	18	27	32	4	7	12	22	6	14	6	20	7
8/4/2012	24	89	16	16	58	126	5	5	26	25	24	10	7	6	19	26	35	282	17	32
8/11/2012	19	4	16	41	59	29	4	4	34	35	10	6	6	4	16	8	32	4	14	12
8/18/2012	18	4	18	6	60	6	4	4	35	5	30	1073	6	4	15	10	31	6	14	4
8/25/2012	18	6	17	40	51	31	4	4	24	73	17	5	5	4	14	44	25	12	14	58
9/1/2012	18	4	15	4	43	5	4	4	17	4	18	7	4	4	13	4	25	6	15	9
9/8/2012			15	16	14	9	4	6	14	11	21	18			12	17	6	5	14	22
9/15/2012									9	4	24	13							11	4
9/22/2012											8	5							13	7
9/29/2012											8	4								

TABLE A-3 Queens Beaches Water Quality Results
Enterococci Geometric Mean (Count/100ml)

Water Quality Standards- 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml

Date of Week Ending	ROCKAWAY BEACH*		WHITESTONE BOOSTER CIVIC ASSOCIATION		DOUGLASTON MANOR ASSOCIATION		BREEZY POINT* 219		BREEZY POINT* Reid Ave	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/26/2012	5	4	31	38	42	63	5	9	5	10
6/2/2012			26	28	97	2201				
6/9/2012	5	5	17	70	63	20	6	5	6	5
6/16/2012			16	4	124	258				
6/23/2012	4	4	19	8	96	12	8	11	6	5
6/30/2012			18	29	87	39				
7/7/2012	4	4	13	6	38	36	26	326	7	13
7/14/2012			10	20	29	5	32	30		
7/21/2012	4	4	11	6	14	6	44	35	13	34
7/28/2012			17	55	14	16	31	4		
8/4/2012	4	5	13	7	16	71	33	20	12	4
8/11/2012			12	4	12	9				
8/18/2012	4	4	10	8	12	5	15	20	9	5
8/25/2012			13	33	18	35				
9/1/2012	4	4	8	4	15	7	21	23	5	8
9/8/2012			10	26	22	507				
9/15/2012			11	7	19	4				
9/22/2012					29	41				
9/29/2012					34	77				

* Note: Rockaway and Breezy Point Beaches are routinely sampled bi-weekly.

TABLE A-4 Staten Island Beaches Water Quality Results
Enterococci Geometric Mean (Count/100ml)

Water Quality Standards- 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml

Date of Week Ending	SOUTH BEACH		MIDLAND BEACH		CEDAR GROVE BEACH		WOLFE'S POND BEACH	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/26/2012	16	99	13	18	11	21	11	16
6/2/2012	9	4	6	4	5	4	6	4
6/9/2012	12	25	10	29	7	12	13	29
6/16/2012	19	38	11	15	8	7	21	102
6/23/2012	19	4	11	5	8	4	28	20
6/30/2012	13	15	9	6	6	7	22	4
7/7/2012	12	4	10	8	6	4	23	5
7/14/2012	12	34	7	4	7	24	13	9
7/21/2012	8	4	5	5	10	32	7	4
7/28/2012	8	4	5	4	10	4	6	15
8/4/2012	9	27	7	36	9	5	9	20
8/11/2012	10	7	7	6	13	21	8	4
8/18/2012	7	4	7	4	9	4	8	6
8/25/2012	10	29	7	5	7	9	10	16
9/1/2012	11	9	8	7	8	9	13	55

APPENDIX B: 2012 ADVISORIES AND CLOSURES

TABLE B-1 Advisory and Closure Summary for Public Beaches

Name	Status	Start Date	End Date	Reason
Cedar Grove	Wet Weather Advisory	6/13/2012	6/13/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/25/2012	Preemptive Advisory
Manhattan Beach	Wet Weather Advisory	6/13/2012	6/13/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/25/2012	Preemptive Advisory
Midland Beach	Wet Weather Advisory	6/13/2012	6/13/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/25/2012	Preemptive Advisory
Orchard Beach	Pollution Advisory	8/2/2012	8/3/2012	Enterococci Exceedance
South Beach	Wet Weather Advisory	6/13/2012	6/13/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/25/2012	Preemptive Advisory

TABLE B-2 Advisory and Closure Summary for Private Beaches

Name	Status	Start Date	End Date	Reason
American Turner	Pollution Advisory	5/26/2012	6/6/2012	Enterococci Exceedance
	Closure	6/7/2012	6/13/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	6/14/2012	6/26/2012	Enterococci Exceedance
	Closure	6/27/2012	6/28/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	6/29/2012	7/3/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory
Breezy Point 219 th Street	Pollution Advisory	7/5/2012	7/12/2012	Enterococci Exceedance
	Pollution Advisory	7/20/2012	7/25/2012	Enterococci Exceedance
Danish American Beach Club	Pollution Advisory	5/26/2012	6/6/2012	Enterococci Exceedance
	Closure	6/7/2012	6/13/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	6/14/2012	7/3/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Pollution Advisory	8/2/2012	8/3/2012	Enterococci Exceedance
	Closure	8/3/2012	8/8/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	8/9/2012	9/5/2012	Enterococci Exceedance
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory

TABLE B-2 Advisory and Closure Summary for Private Beaches (continued)

Name	Status	Start Date	End Date	Reason
Douglaston Manor	Closure	5/26/2012	7/3/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	7/4/2012	7/11/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/20/2012	Preemptive Advisory
	Wet Weather Advisory	7/27/2012	7/27/2012	Preemptive Advisory
	Wet Weather Advisory	8/6/2012	8/6/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/12/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/29/2012	Preemptive Advisory
	Pollution Advisory	9/6/2012	9/12/2012	Enterococci Exceedance
	Wet Weather Advisory	9/19/2012	9/20/2012	Enterococci Exceedance
Gerritsen/ Kiddie	Closure	5/26/2012	5/30/2012	Confirmed Enterococci Exceedance
	Wet Weather Advisory	6/2/2012	6/3/2012	Preemptive Advisory
	Wet Weather Advisory	6/13/2012	6/14/2012	Preemptive Advisory
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/26/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	7/27/2012	7/27/2012	Preemptive Advisory
	Wet Weather Advisory	8/6/2012	8/6/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/18/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory

TABLE B-2 Advisory and Closure Summary for Private Beaches (continued)

Name	Status	Start Date	End Date	Reason
Kingsborough Community College	Wet Weather Advisory	6/13/2012	6/13/2012	Preemptive Advisory
	Wet Weather Advisory	6/25/2012	6/25/2012	Preemptive Advisory
Locust Point Yacht Club	Pollution Advisory	5/25/2012	6/20/2012	Enterococci Exceedance
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/9/2012	Preemptive Advisory
Manhem Club	Pollution Advisory	5/25/2012	6/20/2012	Enterococci Exceedance
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/9/2012	Preemptive Advisory
	Pollution Advisory	5/25/2012	6/20/2012	Enterococci Exceedance

TABLE B-2 Advisory and Closure Summary for Private Beaches (continued)

Name	Status	Start Date	End Date	Reason
Morris Yacht and Beach Club	Wet Weather Advisory	6/2/2012	6/3/2012	Preemptive Advisory
	Wet Weather Advisory	6/13/2012	6/14/2012	Preemptive Advisory
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Pollution Advisory	7/4/2012	7/11/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Pollution Advisory	8/16/2012	8/21/2012	Enterococci Exceedance
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory
	Wet Weather Advisory	9/19/2012	9/19/2012	Preemptive Advisory
Schuyler Hill Civic Association	Pollution Advisory	6/1/2012	6/13/2012	Enterococci Exceedance
	Wet Weather Advisory	6/14/2012	6/14/2012	Preemptive Advisory
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory

TABLE B-2 Advisory and Closure Summary for Private Beaches (continued)

Name	Status	Start Date	End Date	Reason
Trinity Danish	Closure	5/26/2012	6/13/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	6/14/2012	7/3/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory
West Fordham Street Association	Closure	5/26/2012	5/31/2012	Confirmed Enterococci Exceedance
	Wet Weather Advisory	6/13/2012	6/14/2012	Preemptive Advisory
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Pollution Advisory	8/2/2012	8/3/2012	Enterococci Exceedance
	Closure	8/3/2012	8/8/2012	Confirmed Enterococci Exceedance
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/9/2012	Preemptive Advisory
	Wet Weather Advisory	8/4/2011	8/4/2011	Preemptive Advisory

TABLE B-2 Advisory and Closure Summary for Private Beaches (continued)

Name	Status	Start Date	End Date	Reason
White Cross Fishing Club	Closure	5/26/2012	6/13/2012	Confirmed Enterococci Exceedance
	Pollution Advisory	6/14/2012	7/11/2012	Enterococci Exceedance
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/16/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/8/2012	Preemptive Advisory
	Wet Weather Advisory	9/19/2012	9/19/2012	Preemptive Advisory
Whitestone Booster Civic Association	Wet Weather Advisory	6/2/2012	6/3/2012	Preemptive Advisory
	Wet Weather Advisory	6/13/2012	6/14/2012	Preemptive Advisory
	Wet Weather Advisory	6/23/2012	6/24/2012	Preemptive Advisory
	Wet Weather Advisory	7/19/2012	7/19/2012	Preemptive Advisory
	Wet Weather Advisory	7/27/2012	7/27/2012	Preemptive Advisory
	Wet Weather Advisory	8/6/2012	8/6/2012	Preemptive Advisory
	Wet Weather Advisory	8/11/2012	8/11/2012	Preemptive Advisory
	Wet Weather Advisory	8/16/2012	8/18/2012	Preemptive Advisory
	Wet Weather Advisory	8/28/2012	8/28/2012	Preemptive Advisory
	Wet Weather Advisory	9/8/2012	9/9/2012	Preemptive Advisory

APPENDIX C: 2012 INSPECTION SUMMARY

Table C 2012 Non-Compliance Summary

Beach Name	Public Health Hazard Violations *			General Violations **						
	167-09(13)	167-19(a)(4)	167-19(c)(1)	167-23(a)	167-29(b)(13)	167-31(a) & 167-39(b)	167-31(b) & 167-39(b)	167-31(c)	167-31(d) & 167-39(b)(2)	167-35
CONEY ISLAND BEACH	√					√				
MIDLAND BEACH						√				
ORCHARD BEACH					√					√
ROCKAWAY BEACH	√	√				√	√	√	√	
SOUTH BEACH						√			√	
WEST FORDHAM STREET ASSOCIATION			√	√						
WOLFE'S POND BEACH				√						

*** Public Health Hazard Violations:**

- §167.09(13) Any other condition determined to be a Public Health Hazard by the Department (e.g. sewage/ wastewater, medical waste, petroleum or other hazardous materials in beach area),
Coney Island: A section of boardwalk between Bay 17th and Bay 18th in was in disrepair
- §167.19(a)(4) Rockaway Beach: "Danger Submerged Objects" sign not posted at exposed wooden pylons
Failure to post signs indicating "No Lifeguard on Duty - Bathing and Swimming Prohibited" at every entrance when lifeguard not on duty
- §167.19(c)(1) Failure to provide required lifeguard qualifications and certificates

**** General Violations:**

- §167.23(a) Beach Safety Plan not available during inspection
- §167.29(b)(13) Presence of refuse, garbage and/or debris on the beach
- §167.31(a) & §167.39(b) Failure to properly maintain and operate in a safe, clean, and sanitary condition
- §167.31(b) & §167.39(b) Failure to provide adequate toilet and shower facilities
- §167.31(c) Failure to provide 50 feet of hosing with vacuum breaker
- §167.31(d) & §167.39(b)(2) Failure to provide liquid soap, paper towels or electric hand dryer
- §167.35 Beach records are inadequate and/or not maintained on site. (e.g. Daily log-book with bather load, lifeguards on duty, weather and water conditions, rescues, injuries and illnesses)