



# NEW YORK CITY 2024

BEACH SURVEILLANCE AND  
MONITORING PROGRAM



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# SECTION 1

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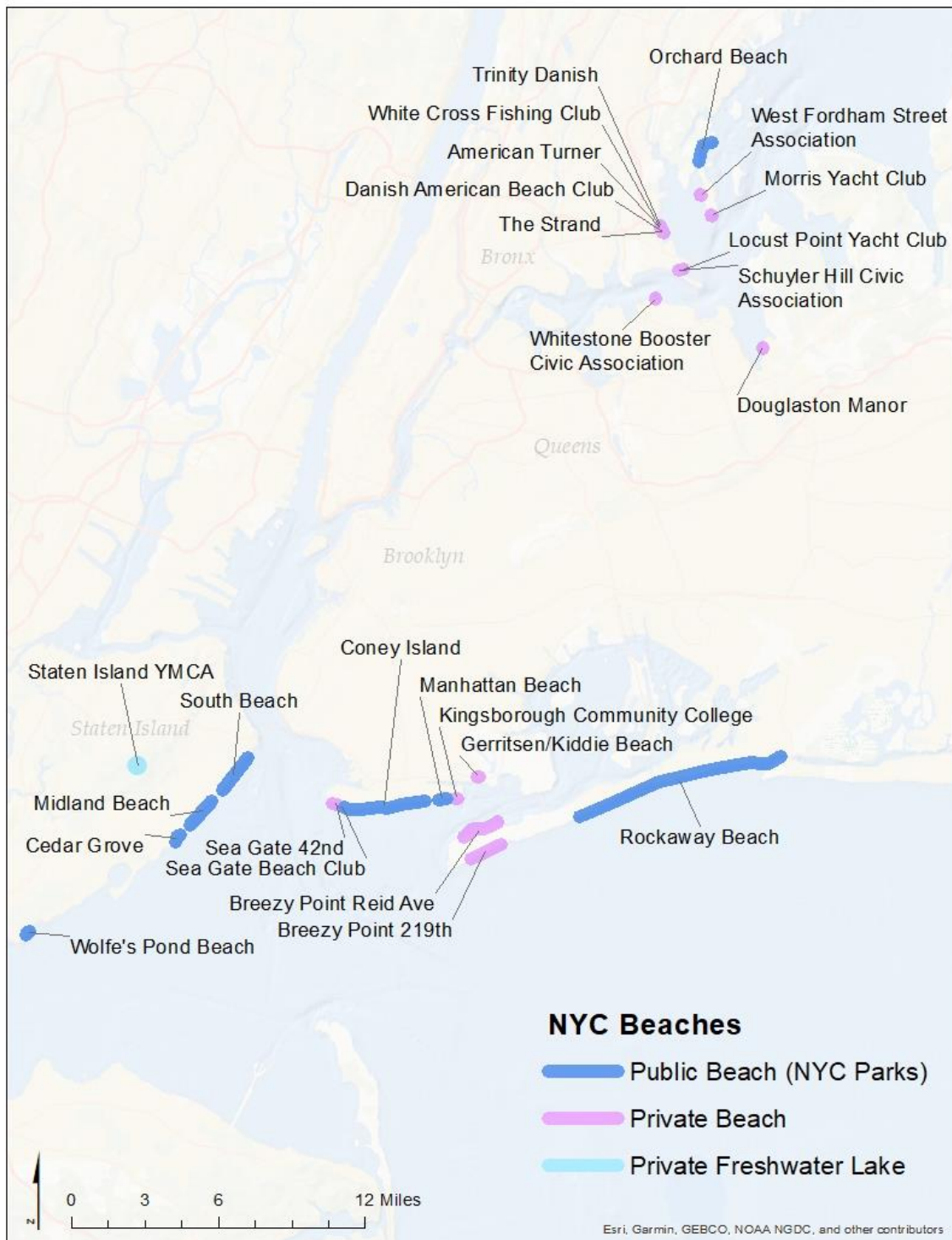
## INTRODUCTION

In accordance with the New York City (NYC) Administrative Code §18-131(c)(4), this annual report summarizes the 2024 NYC Beach Surveillance and Monitoring Program for beaches permitted by the NYC Department of Health and Mental Hygiene (NYC Health Department). This law requires that the Health Commissioner “forward a combined report of the dates and results of all inspections of all 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.”

With the principal goal of protecting ocean beachgoers from potential health and safety hazards including recreational water illnesses, the NYC Health Department closely monitors and conducts surveillance of permitted beaches in NYC. Under the regulatory directive and authority of both Article 167 of the NYC Health Code (Article 167) and Subpart 6-2 of the New York State Sanitary Code (Subpart 6-2), the NYC Health Department administers the Beach Surveillance and Monitoring Program for all beaches operating within the City and with a permit issued by the NYC Health Department. Program responsibilities include beach monitoring and surveillance, public notification and communication, and safety inspections.

The City’s beaches function as an important recreational resource for residents and visitors. As shown in Figure 1 and Table 1, there are 8 public beaches operated by the NYC Department of Parks and Recreation (NYC Parks), 17 privately operated beaches, and one privately operated freshwater lake within NYC.

**FIGURE 1: NYC PERMITTED BEACH MAP**





**TABLE 1: NYC PERMITTED BEACHES AND WATERBODY IDENTIFICATION**

<b>Borough</b>	<b>Beaches</b>	<b>Water body</b>
Brooklyn	<i>Public:</i> Coney Island, Manhattan Beach <i>Private:</i> Sea Gate 42 <sup>nd</sup> *, Sea Gate Beach Club*, Gerritsen/Kiddie Beach, Kingsborough Community College	Lower New York Harbor
Bronx	<i>Public:</i> Orchard Beach <i>Private:</i> American Turner, Danish American Beach Club, The Strand, White Cross Fishing Club, Morris Yacht Club, Schuyler Hill Civic Association, Trinity Danish, Locust Point Yacht Club, West Fordham Street Association	Eastchester Bay, Western Long Island Sound
Queens	<i>Public:</i> Rockaway Beach <i>Private:</i> Breezy Point 219**, Breezy Point Reid**	Atlantic Ocean
	<i>Private:</i> Douglaston Manor, Whitestone Booster Civic Association	Western Long Island Sound
Staten Island	<i>Public:</i> South Beach, Midland Beach, Cedar Grove Beach, Wolfe's Pond Beach	Lower New York Bay
	<i>Private:</i> Staten Island YMCA	Freshwater Lake

\* Sea Gate 42<sup>nd</sup> and Sea Gate Beach Club operate under one permit; the NYC Health Department performs water quality sampling at both locations.

\*\* Breezy Point 219 and Breezy Point Reid operate under one permit; the NYC Health Department performs water quality sampling at both locations.

## SECTION 2

### BACKGROUND INFORMATION

#### 2.1 Water Quality Criteria

Under the New York State Sanitary Code §6-2.15, NYC Health Code §167.13, and the Federal Beaches Environmental Assessment and Coastal Health Act of 2000 (BEACH), enterococci, bacteria that live in the intestinal tracks of warm-blooded animals, are the indicator organism mandated for evaluating the microbiological quality of marine (saline) recreational beach water.

Under the New York State Sanitary Code and the NYC Health Code, enterococci concentrations for a single sample of saline water may not exceed 104 enterococci per 100 milliliter (mL) (61 enterococci per 100 mL for freshwater), and the geometric mean of five or more samples during a 30-day period may not exceed 35 enterococci per 100 mL (33 enterococci per 100 mL for freshwater). The geometric mean and single sample maximum are determined by analyzing samples for the presence and quantification of enterococci using the IDEXX Enterolert test method, a NYS Environmental Laboratory Accreditation Program (ELAP) certified method, as described in Standard Methods for the Examination of Water and Wastewater SM-9230D-2013. Water quality is measured in most probable number per 100 mL of water (MPN/100mL), an estimate of the number of bacteria in a water sample.

In November 2012, the Environmental Protection Agency (EPA) released revised Recreational Water Quality Criteria (RWQC). The revised criteria use a geometric mean and a statistical threshold value to indicate whether waters designated for primary contact recreation use are protective of human health. The 2012 revised criteria for marine waters are a 30-day geometric mean of 35 enterococci per 100 mL and a statistical threshold value of 130 enterococci per 100 mL; the statistical threshold value is one where no more than 10% of samples within 30 days shall exceed the criteria. The EPA also introduced a Beach Action Value (BAV) of 70 enterococci per 100 mL to be used as a precautionary notification threshold for beach management, replacing earlier guidance that provided single sample maximum values. These water quality criteria have been adopted by the New York State Department of Environmental Conservation (DEC) and became effective November 1, 2019. The New York State Department of Health (NYSDOH), however, has not yet promulgated equivalent bathing beach water quality criteria in the State Sanitary Code, which is required before local beach programs can implement them.

## 2.2 Rainfall Events

Preemptive rainfall thresholds have been developed for NYC beaches through statistical modeling of historical precipitation and water quality data. These thresholds are used as a management tool to provide a quick and reliable indication of water quality conditions. Because the majority of the city has a combined stormwater and sewer system, large amounts of rainfall combine with the wastewater in the sewage system and can result in flows that exceed the capacity of wastewater treatment plants. This mix of excess stormwater combined with untreated or partially treated domestic sewage and industrial wastewater can bypass the treatment system and flow into local waterbodies. This process, known as Combined Sewer Overflow (CSO), poses a public health threat to nearby beaches. When preemptive rainfall thresholds are exceeded, as defined in Table 2, an advisory is issued for the predetermined duration.

**TABLE 2: NYC PREEMPTIVE RAINFALL THRESHOLDS**

Beach (Borough)	Rainfall Threshold (within 24 hours)	Duration of Advisory
South Beach, Midland Beach, Cedar Grove Beach (Staten Island)	1.5 – 2.5 inches	12 hours
Manhattan Beach, Kingsborough Community College (Brooklyn)	> 2.5 inches	24 hours
Orchard Beach (Brooklyn)	> 2.5 inches	24 hours
Coney Island (Brooklyn)	> 2.5 inches	12 hours
Gerritsen/Kiddie Beach (Brooklyn)	0.3 - 0.6 inches	18 hours
Whitestone Booster Civic Association (Queens)	> 0.6 inches	40 hours
American Turner, Danish American Beach Club, The Strand, White Cross Fishing Club, Morris Yacht Club, Schuyler Hill Civic Association, Trinity Danish, Locust Point Yacht Club, West Fordham Street Association (Bronx)	0.6 – 2.5 inches	36 hours
	> 2.5 inches	48 hours
Douglaston Manor (Queens)	0.3 – 0.6 inches	30 hours
	> 0.6 – 2.5 inches	60 hours
	> 2.5 inches	72 hours



## 2.3 Beach Classifications

There are three beach classifications, or statuses, for NYC beaches which are determined by assessing water quality, rainfall, pollution events (such as wastewater treatment plant bypasses or operational events and waterbody spills), onsite sanitary surveys, and historical information. Beaches are classified as follows:

**Class A: Open for Swimming and Wading.** Beaches may be classified as open for swimming and wading when *all* of the following conditions are met:

1. Beach water quality is in accordance with the criteria defined under NYC Health Code §167.13.
2. Sanitary and safety surveys are satisfactory in accordance with NYC Health Code §167.25.
3. The epidemiological history is satisfactory to the NYC Health Department, i.e., no repeated complaints or reports of illness or injury were received from the public or from beach owners or operators.

**Class B: Advisory – Not Recommended for Swimming and Wading.** Beaches may be classified as “Not Recommended for Swimming and Wading” when *one or more* of the following conditions exists:

1. Rainfall exceeds the preemptive rainfall thresholds.
2. Sample results show beach water quality does not meet the criteria.
3. An onsite sanitary survey or investigation reveals the presence of floatable debris, medical or infectious waste, toxic contaminants, petroleum products, other contamination, or evidence of sewage and wastewater discharge.

**Class C: Closed – Temporarily Restricted for Swimming and Wading:** Beaches may be classified as “Temporarily Restricted for Swimming and Wading” when *one or more* of the following conditions exists:

1. Sample results show beach water quality does not meet the criteria.
2. Epidemiological data indicates a significant incidence of related illnesses or repeated complaints, reports of illness or injury received from beach patrons.
3. An onsite sanitary survey or an investigation reveals the presence of potentially hazardous amounts of floatable debris, medical or 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.
4. Any other environmental factors determined to be a public health or safety hazard by the NYC Health Department are present.

## 2.4 Beach Monitoring and Surveillance

Starting one month before the beach season, the NYC Health Department routinely monitors and samples each beach. Beaches are sampled weekly, except for Rockaway and Breezy Point beaches, which are sampled biweekly. The NYC Health Department also monitors daily regional wet weather conditions and occasional wastewater treatment plant bypasses, operational upsets, and spills through interagency communication and cooperation. This information can be used to assess and make beach status determinations.

During a sampling event, an onsite sanitary survey is conducted based on EPA procedures for Routine Sanitary Survey for Marine Waters to identify existing or potential sources of pollution that affect beach water quality. Following the survey, water samples are collected at representative points on the beach by wading into the water to a point where water depth is three feet. Each sample is collected by submerging the collection bottle to 18 inches below the water surface to fill the bottle. Due to the size of most beaches, three separate samples of water are taken along the shoreline: one to the left, one to the center and one to the right. At larger beaches, additional samples are taken along the length of the shoreline to ensure adequate representation of water quality; six samples are taken at Coney Island Beach and eight samples are taken at Rockaway Beach. At smaller beaches such as Breezy Point 219 and Breezy Point Reid Ave, one sample is taken for representative results.

The collected samples are delivered to the NYC Health Department's Public Health Laboratory for analysis. The analytical and processing turnaround time for enterococci using the current Enterolert methods is at least 24 hours.

The sample results are reviewed and a daily average is calculated for each beach to represent overall water quality on the sample day and a 30-day geometric mean is calculated to represent long term trends in water quality. The daily average and the 30-day geometric mean are assessed for conformance to applicable water quality criteria described in Section 2.1. If the regulatory limit for enterococci is exceeded or conditions exist that may pose a threat to the health and safety of the public, the NYC Health Department issues a beach advisory or closure. The NYC Health Department may also conduct re-sampling prior to the next routine sampling depending on proximity to suspected pollution sources, the extent of pollution, beach use, historical water quality data, and other health risk factors.

## 2.5 Public Notification and Risk Communication

When beach status changes based upon evaluation and assessment of beach water quality as specified above, the NYC Health Department notifies the public through on-site beach signage, website postings, 311 non-emergency government service hotline, Notify NYC, “Know Before You Go” texting service, and NYC Health Department press releases when necessary. Beach operators are notified by phone, email, or text message as to the necessary onsite postings. The specific notification procedures and requirements are as follows:

**Onsite Signage:** When notified by the NYC Health Department, the permittee is required to post or remove the advisory or closure signs in Figure 2 in designated areas visible to beach users, such as beach entrances, bulletin boards, and comfort stations near swimming areas.

**FIGURE 2: BEACH ADVISORY AND CLOSURE SIGNS**



**“Know Before You Go” Texting Service:** The “Know Before You Go” texting service, introduced in 2014, was continued for the 2024 beach season. The free service enables subscribers to make informed decisions before they go to a public beach. Through this service, users can check whether the beach is open or closed or if there are any advisories due to wet weather conditions or water quality concerns. Subscribers simply text “BEACH” to 55676 to learn the status of any of the eight public beaches in NYC. The service can also provide safety-related messages, such as warnings for high rip currents and closures for extreme weather.

At the end of the 2024 beach season, there were 16,306 English-language subscribers and 635 Spanish-language subscribers, an increase from the end of the 2023 season, which had 14,907 English-language subscribers and 626 Spanish-language subscribers.

**Website Postings:** The NYC Health Department maintains a website with up-to-date information for all permitted beaches: [www.nyc.gov/health/beach](http://www.nyc.gov/health/beach). The website contains background information on the beach program, explains the causes and sources of recreational water pollution, and summarizes the beach classification system. A map visually indicates the respective beach status (open, closed, or advisory) for each NYC beach and provides the most recent sample results, along with year-to-date sample results.

**Notify NYC:** When notified by the NYC Health Department of status changes relating to public beaches, the NYC Office of Emergency Management will share this information with members of the public who have signed up for Notify NYC via the mobile app, Twitter, RSS feed, e-mail or text messaging.

**311:** The 311 telephone operators monitor the NYC Health Department's website for updates on advisory or closure information, as described above, and convey that information to 311 callers. The public can also report a swimming-related illness via 311.

**NYC Press Release:** Press releases are disseminated, as needed, for public notification through various types of media (newspaper, radio, website, television) and through elected officials.

## **2.6    Inspections**

The NYC Health Department conducts annual safety inspections at bathing beaches to assure there is adequate lifeguard coverage for open beaches, that all staff, especially lifeguards and supervisors, have proper certifications, all required life-saving equipment is available, including rescue tubes, spine boards, first aid kits, and resuscitation equipment, and proper signage is posted on site. The inspections also evaluate beach facility cleanliness and safety. Additional inspections may be performed to address public complaints.

## SECTION 3

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### FINDINGS

#### **3.1 Water Quality and Illness Reporting**

Routine water quality monitoring was performed at 25 permitted beaches. Between April and September 2024 over 1,400 samples were collected and analyzed from these beaches. In 2024, the NYC Health Department received three complaints regarding dermatological illness where symptom onset occurred after beach recreational activity at three beaches: Orchard Beach, Rockaway Beach, and Coney Island Beach. The complaints were referred to the NYC Health Department Bureau of Communicable Disease epidemiologists for follow-up investigation. The exposure or cause of illness could not be determined.

A summary of water quality sample results, including 30-day geometric means, daily averages, and single sample exceedances, can be found in Appendix A. Advisories and closures issued by the NYC Health Department throughout the season are summarized in Appendix B.

Overall, private beaches had a daily average exceedance rate of 14%. Among them, Douglaston Manor had the highest daily average exceedance rate (35%), followed by Whitestone Booster Civic Association and White Cross Fishing Club, which had exceedance rates between 20%-30%. Public beaches had an average exceedance rate of 6%. Among public beaches, Wolfe's Pond Beach had the highest daily average exceedance rate (15%).

#### **3.2 Public Notification for Advisories and Closures**

Six of the eight public beaches were issued at least one swimming advisory notice during the 2024 bathing season due to water quality exceedance. This resulted in a total of 95 advisory notices, which ranged in length from 2 to 28 days. Only one public beach, Wolfe's Pond Beach, received a closure notice for the 2024 season, lasting two days.

Of the seventeen private beaches in NYC, sixteen were open in 2024. Thirteen private beaches were issued at least one swimming advisory notice during the bathing season. This resulted in a total of 573 advisory notices with continuous lengths ranging from 1 to 84 days. Whitestone Booster Civic Association had the largest total number of advisory days for the 2024 season, with a total of 90. Across all private beaches, there were a total of 12 closure days due to water quality exceedances. White Cross Fishing Club had the largest number of closure days with a total of 7. The length of each beach closure ranged from 2 to 7 days. Public notification details can be found in Appendix B.

### **3.3    Inspections**

During the 2024 beach season, inspections of all open 24 public and private beaches were successfully conducted by the NYC Health Department. Only one beach was cited for violations at the time of inspection as indicated in Appendix C. Coney Island Beach received two violations including disrepair of parts of the boardwalk and the presence of broken glass on the beach.



## APPENDIX A: 2024 WATER QUALITY RESULTS AND EXCEEDANCE

**Table A1-1: Brooklyn Beaches Water Quality Results**

**Enterococci 30 Day Geometric Mean and Daily Average (MPN/100 mL)**

*Water Quality Criteria: 30 day geomean limit: 35 MPN/100 mL, Daily average limit: 104 MPN/100 mL*

Date of Week Ending	CONEY ISLAND BEACH (Public)		MANHATTAN BEACH (Public)		GERRITSEN/ KIDDIE BEACH (Private)		SEA GATE 42 <sup>ND</sup> (Private)		SEA GATE BEACH CLUB (Private)	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/4/2024	13	15	10	10	10	10	10	10	10	10
5/11/2024	12	13	17	34	31	115	13	17	11	13
5/18/2024	11	10	14	10	28	31	12	10	13	24
5/25/2024	11	10	16	24	24	17	11	10	12	10
6/1/2024	12	20	15	13	25	27	11	10	12	10
6/8/2024	13	56	15	10	35	59	11	10	12	10
6/15/2024	13	10	12	10	22	10	10	13	11	10
6/22/2024	13	13	13	13	20	13	10	10	14	236
6/29/2024	14	15	12	20	18	10	10	10	14	10
7/6/2024	14	25	14	31	24	109	11	17	21	63
7/13/2024	14	18	14	10	18	17	11	10	21	10
7/20/2024	15	24	15	17	29	111	11	13	24	20
7/27/2024	16	17	17	27	28	10	14	84	18	20
8/3/2024*	16	13	16	13	28	10	15	34	15	20
8/10/2024	15	24	15	28	30	182	20	81	20	78
8/17/2024	14	10	15	10	28	10	20	13	20	10
8/24/2024**	16	36	19	10	33	522	26	60	24	45
8/31/2024	14	10	18	13	33	10	23	17	23	13
9/7/2024	14	12	17	10						

\* Sea Gate 42<sup>nd</sup> was sampled twice the week ending 8/3/2024, the daily represents an average of all daily samples taken that week.

\*\* Mid-week sample results the week ending 8/24/2024 at Manhattan Beach resulted in a water quality exceedance, see appendix B for description.

Values highlighted in red indicate exceedance of recreational water quality criteria.

**Table A1-2: Bronx Beaches Water Quality Results**

**Enterococci 30 Day Geometric Mean and Daily Average (MPN/100 mL)**

*Water Quality Criteria: 30 day geomean limit: 35 MPN/100 mL, Daily average limit: 104 MPN/100 mL*

Date of Week Ending	ORCHARD BEACH (Public)		AMERICAN TURNER (Private)		DANISH AMERICAN BEACH CLUB (Private)		LOCUST POINT YACHT CLUB (Private)		THE STRAND (Private)		MORRIS YACHT AND BEACH CLUB (Private)		SCHUYLER HILL CIVIC ASSOC. (Private)		TRINITY DANISH (Private)		WEST FORDHAM STREET ASSOC. (Private)		WHITE CROSS FISHING CLUB (Private)	
	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
5/4/2024	22	27	63	63	54	56	10	10	38	41	10	10	27	27	20	20	10	10	84	86
5/11/2024	15	10	28	13	32	20	10	10	23	17	10	10	39	59	32	56	10	10	87	125
5/18/2024	13	10	20	10	21	10	10	10	18	10	11	17	29	17	25	17	11	17	42	10
5/25/2024	12	10	19	24	22	60	10	10	19	55	11	10	31	38	21	13	12	17	38	34
6/1/2024	12	10	17	10	25	38	10	10	17	13	11	10	27	17	19	13	15	34	38	41
6/8/2024	13	71	32	1539	33	289	15	75	17	34	13	35	58	1246	28	162	16	13	51	445
6/15/2024	13	10	30	10	33	20	15	10	16	13	13	10	45	17	20	10	17	17	33	10
6/22/2024	13	10	30	10	32	10	15	10	16	10	13	17	47	24	20	13	17	13	33	10
6/29/2024	13	10	27	10	27	10	15	10	14	10	14	17	38	13	20	17	16	13	27	10
7/6/2024	14	20	30	20	28	69	17	27	15	31	14	10	60	585	25	53	15	31	31	103
7/13/2024*	18	10	11	10	15	13	14	35	12	10	12	10	27	24	15	13	16	20	15	10
7/20/2024	16	10	11	10	14	10	19	41	14	24	12	17	39	115	19	34	16	17	20	53
7/27/2024	17	13	41	7732	36	1109	26	77	34	833	12	13	46	48	69	7448	15	10	70	5800
8/3/2024	17	10	57	76	38	13	32	31	36	17	13	24	62	60	93	74	18	34	81	24
8/10/2024	16	13	56	17	28	10	27	10	31	10	14	17	39	17	82	24	18	34	58	17
8/17/2024	11	10	58	13	35	38	31	60	43	56	15	20	37	20	144	237	17	10	106	210
8/24/2024	13	24	81	56	62	190	32	48	56	93	19	34	38	117	171	96	20	38	131	114
8/31/2024	12	10	22	10	28	23	26	17	24	13	19	17	28	10	48	13	20	10	40	17
9/7/2024	12	10			27	10					17	13	20	10	37	20	16	10		
9/14/2024																	13	13		
9/21/2024																	13	10		

\* Mid-week sample results the week ending 7/13/2024 at Orchard Beach resulted in a water quality exceedance, see appendix B for description.

Values highlighted in red indicate exceedance of recreational water quality criteria.

**Table A1-3: Queens Beaches Water Quality Results**

**Enterococci 30 Day Geometric Mean and Daily Average (MPN/100 mL)**

*Water Quality Criteria: 30 day geomean limit: 35 MPN/100 mL, Daily Average limit: 104 MPN/100 mL*

Date of Week Ending	ROCKAWAY BEACH (Public)		BREEZY POINT 219 (Private)		BREEZY POINT REID AVE (Private)		WHITESTONE BOOSTER CIVIC ASSOCIATION (Private)		DOUGLSTON MANOR ASSOCIATION (Private)	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/4/2024	10	10	10	10	10	10	16	20	47	48
5/11/2024							14	13	29	20
5/18/2024	11	13	10	10	10	10	17	31	24	20
5/25/2024							23	120	38	168
6/1/2024	12	15	10	10	10	10	28	67	39	49
6/8/2024							52	431	64	578
6/15/2024	12	13	10	10	10	10	58	27	63	20
6/22/2024							66	68	57	10
6/29/2024	12	11	10	10	10	10	67	71	43	38
7/6/2024							65	56	57	207
7/13/2024	11	10	10	10	10	10	37	24	30	27
7/20/2024							36	20	39	64
7/27/2024	11	15	13	20	10	10	45	147	105	1440
8/3/2024							40	53	86	13
8/10/2024	13	20	22	52	10	10	47	186	105	561
8/17/2024							41	10	93	13
8/24/2024	13	10	22	10	10	10	81	1662	174	1337
8/31/2024*							95	211	122	20
9/7/2024	13	20								

\* Mid-week sample results the week ending 8/31/2024 at Douglaston Manor and Whitestone Booster resulted in water quality exceedances, see appendix B for description.

Values highlighted in red indicate exceedance of recreational water quality criteria.

### Table A1-4: Staten Island Beaches Water Quality Results

#### Enterococci 30 Day Geometric Mean and Daily Average (MPN/100 mL)

Water Quality Criteria: 30 day geomean limit: 35 MPN/100 mL, Daily Average limit: 104 MPN/100 mL

Date of Week Ending	SOUTH BEACH (Public)		MIDLAND BEACH (Public)		CEDAR GROVE BEACH (Public)		WOLFE'S POND BEACH (Public)	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/4/2024	10	10	10	10	10	10	10	10
5/11/2024	14	24	13	20	11	13	10	10
5/18/2024	18	37	13	13	12	17	10	10
5/25/2024	16	10	12	10	12	10	10	10
6/1/2024	18	42	13	17	13	20	10	13
6/8/2024	18	10	13	10	13	13	10	10
6/15/2024	16	10	11	10	13	10	11	13
6/22/2024	14	17	12	17	13	20	11	10
6/29/2024	14	10	12	13	16	34	11	10
7/6/2024	17	93	16	68	20	73	12	27
7/13/2024	17	10	17	13	21	17	15	34
7/20/2024*	37	75	23	53	51	101	16	24
7/27/2024**	34	35	24	20	39	10	38	71
8/3/2024	48	1703	19	10	34	39	44	98
8/10/2024	49	63	22	45	34	68	39	27
8/17/2024	49	10	21	10	31	10	56	247
8/24/2024***	42	13	21	52	32	72	61	31
8/31/2024	33	10	18	10	27	13	44	10
9/7/2024	21	10	18	10				

\* Mid-week sample results the week of 7/20/2024 at South Beach and Cedar Grove Beach resulted in water quality exceedances, see appendix B for description.

\*\* Mid-week sample results the week of 7/27/2024 at Wolfe's Pond Beach resulted in a water quality exceedance, see appendix B for description.

\*\*\* Mid-week sample results the week of 8/24/2024 at South Beach, Cedar Grove Beach, and Wolfe's Pond Beach resulted in water quality exceedances, see appendix B for description.

Values highlighted in red indicate exceedance of recreational water quality criteria.

**Table A2-1: 2024 Summary of Beach Samples and Single Sample Exceedances**

Beach	Total # of Samples	# of Sample Exceed 104	% of Sample Exceed 104
Public Beaches Total	572	32	5.6%
Private Beaches Total	785	106	13.5%
All Beaches Total	1357	138	10.2%

**Table A2-2: 2024 Public Beaches Samples and Single Sample Exceedances**

Beach	Sample Location		Total # of Samples	# of Sample Exceed 104	% of Sample Exceed 104 (Location)	% of Sample Exceed 104 (Beach)
CEDAR GROVE BEACH	CEDAR GROVE BEACH	Left	20	1	5.0%	13.3%
	CEDAR GROVE BEACH	Center	20	5	25.0%	
	CEDAR GROVE BEACH	Right	20	2	10.0%	
CONEY ISLAND	CONEY ISLAND BR. 15TH - 6TH	Center	19	0	0%	0.9%
	CONEY ISLAND BR. 6TH - OCEAN PKWY	Center	19	0	0%	
	CONEY ISLAND OCEAN PKWY - WEST 8TH	Center	19	0	0%	
	CONEY ISLAND WEST 8TH - PIER	Center	19	0	0%	
	CONEY ISLAND WEST 16TH - WEST 27TH	Center	19	1	5%	
	CONEY ISLAND WEST 28TH - WEST 37TH	Center	19	0	0%	
MANHATTAN BEACH	MANHATTAN BEACH	Left	20	1	5.0%	3.3%
	MANHATTAN BEACH	Center	20	1	5.0%	
	MANHATTAN BEACH	Right	20	0	0.0%	
MIDLAND BEACH	MIDLAND BEACH	Left	19	0	0.0%	1.8%
	MIDLAND BEACH	Center	19	1	5.3%	
	MIDLAND BEACH	Right	19	0	0.0%	
ORCHARD BEACH	ORCHARD BEACH	Left	20	1	5.0%	3.3%
	ORCHARD BEACH	Center	20	1	5.0%	
	ORCHARD BEACH	Right	20	0	0.0%	
ROCKAWAY BEACH	ROCKAWAY BEACH 9TH - 13TH	Center	10	0	0.0%	0.0%
	ROCKAWAY BEACH 15TH - 22ND	Center	10	0	0.0%	
	ROCKAWAY BEACH 23RD - 59TH	Center	10	0	0.0%	
	ROCKAWAY BEACH 59TH - 80TH	Center	10	0	0.0%	
	ROCKAWAY BEACH 80TH - 95TH	Center	10	0	0.0%	
	ROCKAWAY BEACH 95TH - 116TH	Center	10	0	0.0%	
	ROCKAWAY BEACH 116TH - 126TH	Center	10	0	0.0%	
	ROCKAWAY BEACH 126TH - 149TH	Center	10	0	0.0%	
SOUTH BEACH	SOUTH BEACH	Left	21	4	19.0%	14.3%
	SOUTH BEACH	Center	21	2	9.5%	
	SOUTH BEACH	Right	21	3	14.3%	
WOLFE'S POND BEACH	WOLFE'S POND BEACH	Left	20	4	20.0%	15.0%
	WOLFE'S POND BEACH	Center	20	3	15.0%	
	WOLFE'S POND BEACH	Right	20	2	5.0%	
Public Beaches Total			572	32	5.6%	

**Table A2-3: 2024 Private Beaches Samples and Single Sample Exceedances**

Beach	Sample Location		Total # of Samples	# of Sample Exceed 104	% of Sample Exceed 104 (Location)	% of Sample Exceed 104 (Beach)
AMERICAN TURNER	AMERICAN TURNER	Left	18	2	11.1%	13.0%
	AMERICAN TURNER	Center	18	3	16.7%	
	AMERICAN TURNER	Right	18	2	11.1%	
BREEZY POINT 219	BREEZY POINT 219	Center	9	0	0.0%	0.0%
BREEZY POINT REID AVE	BREEZY POINT REID AVE	Center	9	0	0.0%	0.0%
DANISH AMERICAN BEACH CLUB	DANISH AMERICAN BEACH CLUB	Left	19	4	21.1%	19.3%
	DANISH AMERICAN BEACH CLUB	Center	19	3	15.8%	
	DANISH AMERICAN BEACH CLUB	Right	19	4	21.1%	
DOUGLSTON MANOR ASSOCIATION	DOUGLSTON MANOR ASSOCIATION	Left	19	6	31.6%	35.1%
	DOUGLSTON MANOR ASSOCIATION	Center	19	6	31.6%	
	DOUGLSTON MANOR ASSOCIATION	Right	19	8	42.1%	
GERRITSEN/KIDDIE BEACH	GERRITSEN/KIDDIE BEACH	Left	18	4	22.2%	16.7%
	GERRITSEN/KIDDIE BEACH	Center	18	2	11.1%	
	GERRITSEN/KIDDIE BEACH	Right	18	3	16.7%	
LOCUST POINT YACHT CLUB	LOCUST POINT YACHT CLUB	Left	18	0	0.0%	3.7%
	LOCUST POINT YACHT CLUB	Center	18	0	0.0%	
	LOCUST POINT YACHT CLUB	Right	18	2	11.1%	
THE STRAND	THE STRAND	Left	18	2	11.1%	9.3%
	THE STRAND	Center	18	2	11.1%	
	THE STRAND	Right	18	1	5.6%	
MORRIS YACHT AND BEACH CLUB	MORRIS YACHT AND BEACH CLUB	Left	18*	0	0%	0.0%
	MORRIS YACHT AND BEACH CLUB	Center	19	0	0%	
	MORRIS YACHT AND BEACH CLUB	Right	19	0	0%	
SCHUYLER HILL CIVIC ASSOCIATION	SCHUYLER HILL CIVIC ASSOCIATION	Left	19	2	11%	12.3%
	SCHUYLER HILL CIVIC ASSOCIATION	Center	19	3	16%	
	SCHUYLER HILL CIVIC ASSOCIATION	Right	19	2	11%	
SEA GATE 42ND	SEA GATE 42 <sup>ND</sup>	Left	19	0	0.0%	1.8%
	SEA GATE 42 <sup>ND</sup>	Center	19	0	0.0%	
	SEA GATE 42 <sup>ND</sup>	Right	19	1	5.3%	
SEA GATE BEACH CLUB	SEA GATE BEACH CLUB	Left	18	0	0.0%	3.7%
	SEA GATE BEACH CLUB	Center	18	1	5.6%	
	SEA GATE BEACH CLUB	Right	18	1	5.6%	
TRINITY DANISH	TRINITY DANISH	Left	19	4	21.1%	19.3%
	TRINITY DANISH	Center	19	3	15.8%	
	TRINITY DANISH	Right	19	4	21.1%	
WEST FORDHAM STREET ASSOCIATION	WEST FORDHAM STREET ASSOCIATION	Left	21	0	0.0%	0.0%
	WEST FORDHAM STREET ASSOCIATION	Center	21	0	0.0%	
	WEST FORDHAM STREET ASSOCIATION	Right	21	0	0.0%	
WHITE CROSS FISHING CLUB	WHITE CROSS FISHING CLUB	Left	18	5	27.8%	24.1%
	WHITE CROSS FISHING CLUB	Center	18	4	22.2%	
	WHITE CROSS FISHING CLUB	Right	18	4	22.2%	



Beach	Sample Location		Total # of Samples	# of Sample Exceed 104	% of Sample Exceed 104 (Location)	% of Sample Exceed 104 (Beach)
WHITESTONE BOOSTER CIVIC ASSOCIATION	WHITESTONE BOOSTER CIVIC ASSOCIATION	Left	19	6	31.6%	31.6%
	WHITESTONE BOOSTER CIVIC ASSOCIATION	Center	19	6	31.6%	
	WHITESTONE BOOSTER CIVIC ASSOCIATION	Right	19	6	31.6%	
Private Beaches Total			785	106	13.5%	

## APPENDIX B: 2024 ADVISORIES AND CLOSURES

**Table B-1: Summary of Beach Advisories and Closure**

Beach	Notification Type	Reason	Start Date	End Date**	Beach Notification Days			Beach Open Days
					Advisory	Closure	Total	
<b>NYC All Beaches (N=25)*</b>	Advisory or Closure	Enterococci Exceedance or Rainfall Event	05/25/2024	09/08/2024	<b>668</b>	<b>16</b>	<b>684</b>	<b>1,806</b>

\*One private beach and one freshwater lake did not open for 2024 season.

\*\* Several public and private beaches closed for the season on 9/2/2024.

**Table B-2: Public Beaches Advisories and Closures**

Beach	Notification Type	Reason	Start Date	End Date	Notification-Specific Days	Beach Notification Days			Beach Open Days
						Advisory	Closure	Total	
<b>CEDAR GROVE BEACH</b>	Advisory	Enterococci Exceedance	07/17/2024	08/02/2024	17	19	0	19	82
	Advisory	Enterococci Exceedance	08/21/2024	08/22/2024	2				
<b>CONEY ISLAND</b>					0	0	0	0	107
<b>MANHATTAN BEACH</b>	Advisory	Enterococci Exceedance	08/21/2024	08/23/2024	3	3	0	3	104
<b>MIDLAND BEACH</b>					0	0	0	0	107
<b>ROCKAWAY BEACH</b>					0	0	0	0	107
<b>ORCHARD BEACH</b>	Advisory	Enterococci Exceedance	07/11/2024	07/12/2024	2	2	0	2	105
<b>SOUTH BEACH</b>	Advisory	Enterococci Exceedance	07/17/2024	07/23/2024	7	32	0	32	75
	Advisory	Enterococci Exceedance	08/03/2024	08/27/2024	25				
<b>WOLFE'S POND BEACH</b>	Advisory	Enterococci Exceedance	07/24/2024	08/20/2024	28	39	2	41	60
	Closure	Enterococci Exceedance	08/21/2024	08/22/2024	2				
	Advisory	Enterococci Exceedance	08/23/2024	09/02/2024	11				
<b>Public Beaches Total</b>					<b>97</b>	<b>95</b>	<b>2</b>	<b>97</b>	<b>747</b>

**Table B-3: Private Beaches Advisories and Closures**

Beach	Notification Type	Reason	Start Date	End Date	Notification-Specific Days	Beach Notification Days			Beach Open Days
						Advisory	Closure	Total	
AMERICAN TURNER	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	46	0	46	55
	Advisory	Enterococci Exceedance	06/06/2024	06/12/2024	7				
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Enterococci Exceedance	07/25/2024	08/28/2024	35				
BREEZY POINT 219					0	0	0	0	101
BREEZY POINT REID					0	0	0	0	101
DANISH AMERICAN BEACH CLUB	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	36	0	36	71
	Advisory	Enterococci Exceedance	06/06/2024	06/12/2024	7				
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Enterococci Exceedance	07/25/2024	08/07/2024	14				
	Advisory	Rainfall Event	08/08/2024	08/08/2024	1				
	Advisory	Rainfall Event	08/18/2024	08/20/2024	3				
	Advisory	Enterococci Exceedance	08/22/2024	08/28/2024	7				
DOUGLASTON MANOR ASSOCIATION	Advisory	Enterococci Exceedance	05/25/2024	07/10/25024	47	95	2	97	4
	Advisory	Rainfall Event	07/13/2024	07/15/2024	3				
	Advisory	Enterococci Exceedance	07/18/2024	08/25/2024	42				
	Closure	Enterococci Exceedance	08/29/2024	08/30/2024	2				
	Advisory	Enterococci Exceedance	08/31/2024	09/02/2024	3				
GERRITSEN/KIDDIE BEACH	Advisory	Rainfall Event	05/30/2024	05/30/2024	1	41	0	41	60
	Advisory	Rainfall Event	06/06/2024	06/07/2024	2				
	Advisory	Rainfall Event	06/15/2024	06/15/2024	1				
	Advisory	Rainfall Event	06/26/2024	06/27/2024	2				
	Advisory	Enterococci Exceedance	07/03/2024	07/09/2024	7				
	Advisory	Rainfall Event	07/13/2024	07/15/2024	3				
	Advisory	Enterococci Exceedance	07/17/2024	07/23/2024	7				
	Advisory	Rainfall Event	08/04/2024	08/05/2024	2				
	Advisory	Enterococci Exceedance	08/07/2024	08/13/2024	7				
	Advisory	Rainfall Event	08/18/2024	08/19/2024	2				
	Advisory	Enterococci Exceedance	08/21/2024	08/27/2024	7				

Beach	Notification Type	Reason	Start Date	End Date	Notification-Specific Days	Beach Notification Days			Beach Open Days
						Advisory	Closure	Total	
LOCUST POINT YACHT CLUB	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	11	0	11	90
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Rainfall Event	08/03/2024	08/04/2024	2				
	Advisory	Rainfall Event	08/07/2027	08/08/2024	2				
	Advisory	Rainfall Event	08/18/2024	08/20/2024	3				
THE STRAND	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	33	0	33	68
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Enterococci Exceedance	07/25/2024	08/07/2024	14				
	Advisory	Rainfall Event	08/08/2024	08/08/2024	1				
	Advisory	Enterococci Exceedance	08/15/2024	08/28/2024	14				
MORRIS YACHT AND BEACH CLUB	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	11	0	11	96
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Rainfall Event	08/03/2024	08/04/2024	2				
	Advisory	Rainfall Event	08/07/2027	08/08/2024	2				
	Advisory	Rainfall Event	08/18/2024	08/20/2024	3				
SCHUYLER HILL CIVIC ASSOCIATION	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	80	0	80	27
	Advisory	Enterococci Exceedance	06/06/2024	07/10/2024	35				
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Enterococci Exceedance	07/18/2024	08/28/2024	42				
SEAGATE 42nd					0	0	0	0	101
SEAGATE BEACH CLUB	Advisory	Enterococci Exceedance	06/19/2024	06/25/2024	7	7	0	7	94
TRINITY DANISH YOUNG PEOPLE'S SOCIETY	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	57	0	57	50
	Advisory	Enterococci Exceedance	06/06/2024	06/12/2024	7				
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Enterococci Exceedance	07/25/2024	09/08/2024	46				
WEST FORDHAM STREET ASSOCIATION	Advisory	Rainfall Event	05/28/2024	05/28/2024	1	11	0	11	96
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Rainfall Event	08/03/2024	08/04/2024	2				
	Advisory	Rainfall Event	08/07/2024	08/08/2024	2				
	Advisory	Rainfall Event	08/18/2024	08/20/2024	3				

Beach	Notification Type	Reason	Start Date	End Date	Notification-Specific Days	Beach Notification Days			Beach Open Days
						Advisory	Closure	Total	
WHITE CROSS FISHING CLUB	Advisory	Enterococci Exceedance	05/25/2024	06/12/2024	19	55	7	62	39
	Advisory	Rainfall Event	07/13/2024	07/14/2024	2				
	Advisory	Rainfall Event	07/18/2024	07/18/2024	1				
	Advisory	Enterococci Exceedance	07/25/2024	08/21/2024	28				
	Closure	Enterococci Exceedance	08/22/2024	08/28/2024	7				
	Advisory	Enterococci Exceedance	08/29/2024	09/02/2024	5				
WHITESTONE BOOSTER CIVIC ASSOCIATION	Advisory	Enterococci Exceedance	05/25/2024	05/30/2024	6	90	5	95	6
	Advisory	Enterococci Exceedance	06/06/2024	08/28/2024	84				
	Closure	Enterococci Exceedance	08/29/2024	09/02/2024	5				
Private Beaches Total					587	573	14	587	1,059

# APPENDIX C: 2024 INSPECTION SUMMARY

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**Table C-1: Inspection Non-Compliance Summary**

Beach	General Violations	
CONEY ISLAND BEACH	167.09(a)(13)	Numerous areas of boardwalk in disrepair (broken planks/nails).
	167.29(b)(12)	Presence of glass on the beach

All other beaches were in full compliance of the regulations at the time of inspection.