



NEW YORK CITY

2023

BEACH 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 2023 New York City Beach Surveillance and Monitoring Program for beaches permitted by the Department of Health and Mental Hygiene (the “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, the Department closely monitors and conducts surveillance of permitted beaches in New York City. Under the regulatory directive and authority of 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 Department administers the Beach Surveillance and Monitoring Program for all beaches operating within the City and with a permit issued by the 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 (page 2) and Table 1 (page 3), there are eight public beaches operated by the New York City Department of Parks and Recreation (NYC Parks) and 17 privately operated beaches and one privately operated freshwater lake within New York City.

FIGURE 1: NEW YORK CITY PERMITTED BEACHES



TABLE 1: NEW YORK CITY PERMITTED BEACHES AND WATERBODY IDENTIFICATION

| Borough | Beaches | Water body |
|---------------|---|--|
| Brooklyn | <i>Public:</i> Coney Island, Manhattan Beach <i>Private:</i> Sea Gate 42 nd *, 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, Schuylar 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 42nd and Sea Gate Beach Club operate under one permit; the Department performs water quality sampling at both locations.

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

1.1 Public Risk Communication

The Department continued public notification and risk communication during the beach season, using easy-to-interpret signs shown in Figure 2 for beach closures and advisories in 2023.

FIGURE 2: BEACH ADVISORY AND CLOSURE SIGNS



“Know Before You Go,” a free texting service introduced in 2014, was continued for the 2023 beach season. The 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 New York City. This tool also can be used by the Department to deliver notifications of high priority water quality advisories or closures, as well as safety-related messages, such as warnings for high rip currents, closures for extreme weather, and whether beaches are open or closed for the season. For example, the Department issued the following notification to all enrolled users:

NYC Beach: Beaches open for swimming May 27! For beach status, reply with a beach name or with "LOOK" to find a beach near you, or go to maps.nyc.gov/beach.

At the end of the 2022 season, the texting service had 14,240 English-language subscribers and 626 Spanish-language subscribers. By the close of the 2023 beach season, there were 14,907 English-language subscribers and 626 Spanish-language subscribers.

SECTION 2

BACKGROUND INFORMATION

2.1 Water Quality Criteria

Under the New York State Sanitary Code §6-2.15, Article §167.13 of the New York City Health Code 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 New York City 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 New York State 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 standards 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 New York City 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 combined stormwater and sewer conveyance systems, high levels of precipitation, greater than the rainfall thresholds, cause an excess of stormwater, which combines with the wastewater in the sewage systems. This combination 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 met, as defined in Table 2, a public notification or advisory takes effect for the predetermined duration.

TABLE 2: NEW YORK CITY 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 swimming classifications for New York City beaches, which are determined by assessing water quality, rainfall and pollution events; onsite sanitary surveys; and/or historical information. Beaches, except those specifically restricted under Article §167.05, are classified as follows:

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

1. 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, i.e., no repeated complaints or reports of illness/injury received from the public or from owners/operators of city beaches.

Class B: Advisory – Not Recommended for Swimming and Wading. Beaches may be classified as “Not Recommended for Swimming and Wading,” resulting in notifications to the public that swimming should be avoided to prevent contracting a swimming-related illness, when *one or more* of the following conditions exists:

1. Rainfall events exceed the preemptive rainfall thresholds.
2. A water quality sample exceeds the water quality standard or a beach notification threshold. The notification should remain in effect until resampling indicates that the beach water quality standard and/or notification thresholds are being met.
3. An onsite sanitary survey or investigation reveals the presence of floatable debris, medical/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. Sampling by bacteriological testing that finds beach water quality exceeding 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.
4. Any other environmental factors determined to be a public health or safety hazard by the Department are present.

2.4 Beach Monitoring and Surveillance

Starting one month before the beach season, the Department monitors and samples each beach weekly, except for Rockaway and Breezy Point beaches which are sampled biweekly. In addition to routine water quality monitoring, the Department 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 sample event, a routine onsite sanitary survey inspection is performed to identify any existing and/or potential sources of pollution that are likely to affect beach water quality. Water samples are collected at representative points on the beach by wading into the water to a point where water depth is three feet and submerging the bottle to 18 inches below the water surface. At larger beaches, such as Coney Island and Rockaway Beach, samples are taken at more locations to ensure adequate representation and reliable results. Sea Gate and Breezy Point are permitted beaches where samples are taken at two separate locations for representative results. The collected samples are delivered to the 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 water quality of the samples analyzed is reviewed and assessed for conformance to applicable standards. If the regulatory limit for enterococci is exceeded or conditions exist that may pose a threat to the health and/or safety of the public, the Department either conducts immediate re-sampling, issues an advisory and conducts re-sampling, or closes the beach and conducts re-sampling. The determining factors for additional sampling may include 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 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 Department press releases when necessary. Beach operators are notified by phone, email or text as to the necessary onsite postings. The specific notification procedures and requirements are as follows:

Onsite Signage: 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, comfort stations or the general vicinity of the common swimming areas.

“Know Before You Go” Texting Service: The “Know Before You Go” texting service number was updated in 2023. Subscribers text “BEACH” to 55676 to learn the beach status for any of the eight public beaches in New York City.

Website Postings: The Department has developed an easily accessible website with up-to-date information for all permitted beaches: www.nyc.gov/health/beach. The website contains background information on the beach program, explains the causes and sources of surface water pollution, and summarizes the beach classification system. A map of all city beaches visually indicates the respective status (open, closed, or advisory) for all beaches and provides the most recent sample results, along with all year-to-date samples results for that beach.

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

311: The 311 telephone operators monitor the 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 to various types of media (newspaper, radio, website, television), as well as elected officials.

2.6 Inspections

The Department conducts annual safety inspections and complaint 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. Direct observations of conditions are supplemented by interviews with lifeguards and other personnel.

SECTION 3

FINDINGS

3.1 Water Quality and Illness Reporting

Routine water quality monitoring was performed at 25 permitted beaches. Between April and September 2023 over 1,400 samples were collected and analyzed from these beaches.

In 2023, the Department received a water quality and ecological complaint for Cedar Grove beach. Several dead seabirds were observed there by patrons and lifeguards, who reported a foul smell and brown water. Upon investigation by the Department, an unusual number of dead bottom-dwelling marine animals, such as large snails, crabs, mussels, and oysters, were found on shore. The issue was reported to the New York State Department of Environmental Conservation, as well as to the United States Coast Guard. The Department did not receive any specific illness complaints due to contaminated water quality.

Water quality sample results, including 30-day geometric mean and daily averages and any associated criteria exceedances can be found in Appendix A (pages 12 to 18). Advisories and closures issued by the Department throughout the season are summarized in Appendix B (pages 19 to 22).

All private beaches had an average exceedance rate of 15.3%. Among them, Douglaston Manor had the highest single sample exceedance rate (31.8%), followed by several beaches with exceedance rates between 20%-30% (Whitestone Booster Civic Association, White Cross Fishing Club, American Turner, and Gerritsen/Kiddie Beach). Public beaches had an average exceedance rate of 7.5%. Among public beaches, Cedar Grove had the highest single sample exceedance rate (16.7%).

3.2 Public Notification for Advisories and Closures

Six of the eight public beaches were issued at least one swimming advisory notice during the 2023 bathing season due to water quality exceedance. This resulted in a total of 69 advisory notices, which ranged in length from 1 to 33 days. There was a total of nine closure days due to air quality issues, or shark sightings. The length of each beach closure did not exceed more than one day.

Due to poor air quality and low visibility because of smoke from wildfires in Canada, all eight public beaches were closed for swimming on Thursday, June 8th. Rockaway Beach was closed for one day on Tuesday, August 8th following a shark attack on Beach 59th street. The beach reopened the following day, Wednesday, August 9th.

Of the seventeen private beaches in New York City, sixteen were open in 2023. Twelve private beaches were issued at least one swimming advisory notice during the bathing season. This resulted in a total of 554 advisory notices with lengths ranging from 1 to 74 days. White Cross Fishing Club had the largest total number of advisory days, with a total of 74. Across all private beaches, there were a total of 32 closure days due to water quality exceedances. Whitestone Booster Civic Association had the largest number of closure days with a total of 15. The length of each beach closure ranged from 2 to 15 days. Public notification details can be found in Appendix B (pages 19 to 22).

3.3 Inspections

During the 2023 beach season, inspections of all open 24 public and private beaches were successfully conducted by the Department. Three beaches were cited for violations at the time of inspection as indicated in Appendix C. Disrepair of parts of the boardwalk was observed during the inspection of Coney Island Beach. Additionally, some toilet facilities were not properly maintained at Rockaway Beach and Orchard Beach.

APPENDIX A: 2023 WATER QUALITY RESULTS AND EXCEEDANCE

Table A1-1: Brooklyn Beaches Water Quality Results
Enterococci 30 Day Geometric Mean/Daily Average (MPN/100mL)

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

| Date of Week Ending | CONEY ISLAND BEACH (public) | | MANHATTAN BEACH (public) | | GERRITSEN/ KIDDIE BEACH (private) | | KINGSBOROUGH COMMUNITY COLLEGE** (private) | | SEA GATE 42 ND (private) | | SEA GATE BEACH CLUB (private) | |
|---------------------|-----------------------------|-------|--------------------------|-------|-----------------------------------|-------|--|-------|-------------------------------------|-------|-------------------------------|-------|
| | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily |
| 4/29/2023 | 14 | 15 | 40 | 69 | 18 | 20 | | | 18 | 20 | 10 | 10 |
| 5/6/2023 | 16 | 22 | 63 | 106 | 38 | 82 | | | 76 | 323 | 27 | 93 |
| 5/13/2023 | 14 | 10 | 45 | 47 | 24 | 10 | 10 | 10 | 52 | 35 | 26 | 27 |
| 5/20/2023 | 13 | 10 | 39 | 69 | 19 | 10 | 21 | 49 | 34.5 | 10 | 29 | 83 |
| 5/27/2023 | 12 | 10 | 38 | 49 | 18 | 17 | 16 | 10 | 27 | 10 | 25 | 10 |
| 6/3/2023 | 11 | 10 | 31 | 17 | 18 | 28 | 14 | 10 | 25 | 13 | 25 | 10 |
| 6/10/2023 | 10 | 10 | 22 | 28 | 12 | 10 | | | 13 | 13 | 18 | 17 |
| 6/17/2023 | 10 | 17 | 28 | 75 | 14 | 24 | | | 11 | 10 | 16 | 17 |
| 6/24/2023 | 11 | 13 | 23 | 10 | 14 | 10 | | | 11 | 13 | 12 | 10 |
| 7/1/2023 | 11 | 10 | 18 | 10 | 14 | 13 | | | 11 | 10 | 12 | 10 |
| 7/8/2023 | 11 | 12 | 20 | 24 | 24 | 135 | | | 13 | 24 | 13 | 20 |
| 7/15/2023* | 13 | 29 | 19 | 17 | 45 | 305 | | | 12 | 10 | 12 | 10 |
| 7/22/2023 | 16 | 42 | 13 | 10 | 38 | 20 | | | 16 | 41 | 14 | 34 |
| 7/29/2023 | 19 | 76 | 13 | 10 | 38 | 10 | | | 16 | 13 | 15 | 13 |
| 8/5/2023 | 19 | 10 | 15 | 20 | 37 | 10 | | | 17 | 13 | 15 | 10 |
| 8/12/2023* | 25 | 13 | 13 | 17 | 62 | 3153 | | | 17 | 24 | 18 | 52 |
| 8/19/2023 | 25 | 64 | 13 | 13 | 45 | 38 | | | 17 | 10 | 19 | 13 |
| 8/26/2023* | 21 | 10 | 13 | 10 | 41 | 10 | | | 13 | 10 | 16 | 13 |
| 9/2/2023 | 19 | 12 | 13 | 10 | 92 | 600 | | | 12 | 10 | 15 | 10 |
| 9/9/2023 | 20 | 15 | 11 | 10 | 101 | 17 | | | | | | |

* Mid-week sample results the week of 7/15/2023 at Gerritsen/Kiddie Beach resulted in water quality concerns, see appendix B for description.

* Mid-week sample results the weeks of 8/12/2023 and 8/26/2023 at Coney Island Beach resulted in water quality concerns, see appendix B for description.

** Kingsborough Community College did not open for the 2023 season.

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

Table A1-2: Bronx Beaches Water Quality Results
Enterococci 30 Day Geometric Mean/Daily Average (MPN/100mL)

Water Quality Standards: 30 day geometric mean limit: 35 MPN/100mL, Daily average limit: 104 MPN/100mL

| 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 |
| 4/29/2023 | 10 | 10 | 16 | 20 | 10 | 10 | 10 | 10 | 14 | 17 | 10 | 10 | 10 | 10 | 16 | 20 | 10 | 10 | 10 | 10 |
| 5/6/2023 | 30 | 90 | 20 | 27 | 21 | 44 | 24 | 60 | 31 | 70 | 30 | 98 | 33 | 115 | 24 | 41 | 51 | 267 | 13 | 17 |
| 5/13/2023 | 22 | 13 | 23 | 38 | 31 | 66 | 19 | 13 | 34.9 | 45 | 21 | 10 | 22 | 10 | 22 | 28 | 30 | 10 | 14 | 27 |
| 5/20/2023 | 18 | 10 | 18 | 10 | 24 | 13 | 20 | 51 | 26 | 10 | 17 | 10 | 38 | 598 | 18 | 10 | 22 | 10 | 13 | 10 |
| 5/27/2023 | 16 | 10 | 19 | 24 | 23 | 24 | 18 | 13 | 22 | 13 | 16 | 10 | 29 | 10 | 16 | 10 | 19 | 10 | 14 | 24 |
| 6/3/2023 | 16 | 10 | 19 | 20 | 23 | 10 | 18 | 10 | 21 | 10 | 16 | 10 | 29 | 10 | 15 | 10 | 20 | 13 | 14 | 10 |
| 6/10/2023 | 10 | 10 | 17 | 17 | 22 | 42 | 15 | 24 | 16 | 24 | 10 | 10 | 19 | 13 | 13 | 24 | 10 | 10 | 14 | 13 |
| 6/17/2023 | 10 | 13 | 17 | 50 | 22 | 67 | 19 | 45 | 13 | 17 | 10 | 10 | 20 | 13 | 12 | 20 | 10 | 10 | 18 | 94 |
| 6/24/2023 | 11 | 13 | 32 | 221 | 27 | 46 | 23 | 82 | 21 | 104 | 10 | 13 | 11 | 10 | 20 | 122 | 11 | 17 | 32 | 152 |
| 7/1/2023 | 12 | 17 | 34 | 35 | 32 | 53 | 26 | 35 | 21 | 17 | 11 | 17 | 12 | 20 | 29 | 68 | 12 | 17 | 42 | 97 |
| 7/8/2023 | 13 | 17 | 36 | 10 | 36 | 20 | 30 | 20 | 29 | 34 | 12 | 10 | 15 | 20 | 43 | 42 | 12 | 10 | 56 | 10 |
| 7/15/2023* | 13 | 10 | 28 | 10 | 30 | 17 | 28 | 20 | 25 | 17 | 15 | 169 | 14 | 10 | 62 | 35 | 14 | 27 | 49 | 34 |
| 7/22/2023 | 14 | 20 | 30 | 48 | 28 | 61 | 29 | 49 | 32 | 64 | 16 | 17 | 17 | 49 | 49 | 17 | 15 | 13 | 53 | 296 |
| 7/29/2023 | 15 | 39 | 18 | 24 | 22 | 13 | 20 | 10 | 20 | 10 | 15 | 10 | 17 | 10 | 33 | 13 | 14 | 10 | 37 | 27 |
| 8/5/2023 | 16 | 20 | 36 | 1575 | 34 | 419 | 18 | 13 | 26 | 55 | 16 | 27 | 17 | 24 | 32 | 104 | 13 | 10 | 55 | 766 |
| 8/12/2023 | 15 | 10 | 36 | 10 | 32 | 17 | 20 | 27 | 25 | 35 | 20 | 38 | 17 | 20 | 30 | 20 | 15 | 34 | 61 | 20 |
| 8/19/2023 | 17 | 28 | 119 | 4335 | 96 | 3678 | 39 | 667 | 73 | 3323 | 21 | 65 | 42 | 1128 | 58 | 3964 | 17 | 41 | 158 | 3389 |
| 8/26/2023 | 15 | 10 | 97 | 17 | 99 | 61 | 33 | 20 | 83 | 95 | 20 | 10 | 31 | 10 | 67 | 38 | 17 | 17 | 108 | 20 |
| 9/2/2023* | 20 | 13 | 173 | 311 | 169 | 194 | 36 | 17 | 130 | 99 | 21 | 13 | 40 | 38 | 104 | 250 | 18 | 17 | 163 | 193 |
| 9/9/2023 | 20 | 10 | | | 93 | 17 | | | | | 18 | 10 | 35 | 10 | 75 | 10 | 18 | 10 | | |
| 9/16/2023 | | | | | 155 | 277 | | | | | 21 | 91 | 47 | 93 | | | 23 | 86 | | |
| 9/23/2023 | | | | | | | | | | | | | | | | | 18 | 10 | | |

* Mid-week sample result on 7/15/2023 at Trinity Danish Beach resulted in a water quality exceedance, see appendix B for description.

* Mid-week sample result on 9/2/2023 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/Daily Average (MPN/100mL)

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

| 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 |
| 4/29/2023 | | | | | | | 10 | 10 | 10 | 10 |
| 5/6/2023 | 11 | 11 | 10 | 10 | 20 | 20 | 70 | 500 | 38 | 153 |
| 5/13/2023 | | | | | | | 56 | 152 | 25 | 10 |
| 5/20/2023 | 10 | 10 | 10 | 10 | 14 | 10 | 36 | 10 | 21 | 13 |
| 5/27/2023 | | | | | | | 28 | 10 | 26 | 67 |
| 6/3/2023 | 10 | 10 | 10 | 10 | 13 | 10 | 31 | 20 | 26 | 10 |
| 6/10/2023 | | | | | | | 20 | 64 | 30 | 293 |
| 6/17/2023 | 10 | 10 | 10 | 10 | 10 | 10 | 25 | 113 | 55 | 215 |
| 6/24/2023 | | | | | | | 41 | 158 | 55 | 13 |
| 7/1/2023 | 10 | 10 | 10 | 10 | 10 | 10 | 65 | 191 | 47 | 38 |
| 7/8/2023 | | | | | | | 93 | 64 | 30 | 10 |
| 7/15/2023* | 10 | 10 | 10 | 10 | 10 | 10 | 67 | 10 | 58 | 1095 |
| 7/22/2023 | | | | | | | 62 | 45 | 31 | 10 |
| 7/29/2023 | 12 | 26 | 10 | 10 | 13 | 20 | 49 | 42 | 30 | 10 |
| 8/5/2023 | | | | | | | 41 | 49 | 34 | 59 |
| 8/12/2023 | 12 | 10 | 10 | 10 | 13 | 10 | 44 | 82 | 62 | 200 |
| 8/19/2023* | | | | | | | 68 | 2468 | 105 | 31 |
| 8/26/2023 | 12 | 10 | 19 | 74 | 13 | 10 | 104 | 67 | 98 | 74 |
| 9/2/2023 | | | | | | | 133 | 137 | 148 | 207 |
| 9/9/2023 | 11 | 14 | | | | | | | 110 | 10 |
| 9/16/2023 | | | | | | | | | 97 | 104 |

* Mid-week sample result the week of 7/15/2023 at Whitestone Booster resulted in a water quality exceedance, see appendix B for description.

* Mid-week sample result the week of 8/19/2023 at Douglaston Manor resulted in a water quality exceedance, see appendix B for description.

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

Table A1-4: Staten Island Beaches and Lake Water Quality Results

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

Water Quality Standards: 30 day Geomean limit: 35 MPN/100mL, Daily Average limit: 104 MPN/100mL

| Date of Week Ending | SOUTH BEACH (Public) | | MIDLAND BEACH (Public) | | CEDAR GROVE BEACH (Public) | | WOLFE'S POND BEACH (Public) | | SI YMCA** (Private Freshwater Lake) | |
|---------------------|----------------------|-------|------------------------|-------|----------------------------|-------|-----------------------------|-------|-------------------------------------|-------|
| | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily | 30 Day | Daily |
| 4/29/2023 | 18 | 20 | 25 | 27 | 16 | 20 | 10 | 10 | | |
| 5/6/2023 | 52 | 167 | 43 | 88 | 42 | 113 | 17 | 38 | | |
| 5/13/2023 | 34 | 17 | 26 | 10 | 26 | 10 | 14 | 10 | | |
| 5/20/2023 | 25 | 10 | 21 | 10 | 21 | 10 | 13 | 10 | | |
| 5/27/2023 | 21 | 10 | 18 | 10 | 18 | 10 | 16 | 45 | | |
| 6/3/2023 | 18 | 10 | 15 | 10 | 17 | 17 | 16 | 10 | | |
| 6/10/2023 | 11 | 10 | 10 | 10 | 11 | 10 | 13 | 10 | | |
| 6/17/2023 | 11 | 35 | 10 | 13 | 11 | 13 | 13 | 10 | | |
| 6/24/2023 | 11 | 10 | 11 | 13 | 11 | 10 | 16 | 42 | | |
| 7/1/2023 | 11 | 10 | 12 | 20 | 12 | 17 | 13 | 10 | | |
| 7/8/2023* | 23 | 70 | 20 | 88 | 19 | 71 | 18 | 72 | | |
| 7/15/2023 | 21 | 20 | 21 | 23 | 24 | 90 | 20 | 46 | | |
| 7/22/2023* | 26 | 17 | 28 | 59 | 40 | 144 | 22 | 17 | | |
| 7/29/2023 | 27 | 13 | 27 | 10 | 42 | 13 | 18 | 10 | | |
| 8/5/2023* | 21 | 10 | 26 | 17 | 33 | 10 | 22 | 34 | | |
| 8/12/2023* | 46 | 2737 | 31 | 10 | 29 | 10 | 23 | 48 | | |
| 8/19/2023* | 44 | 109 | 28 | 24 | 29 | 34 | 22 | 35 | | |
| 8/26/2023 | 41 | 10 | 21 | 10 | 22 | 43 | 22 | 17 | | |
| 9/2/2023 | 47 | 31 | 21 | 10 | 23 | 17 | 31 | 64 | | |
| 9/9/2023 | 55 | 55 | 19 | 10 | 22 | 13 | 32 | 68 | | |

* Mid-week sample results the weeks of 7/8/2023, 7/22/2023, and 8/19/2023 at South Beach resulted in a water quality exceedance, see appendix B for description.

* Mid-week sample results the weeks of 8/5/2023 and 8/12/2023 at Cedar Grove Beach resulted in a water quality exceedance, see appendix B for description.

* Mid-week sample results the week of 8/12/2023 at Midland Beach resulted in a water quality exceedance, see appendix B for description.

** Staten Island YMCA did not open for the 2023 season.

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

Table A2-1: 2023 Summary of Beach Samples and Single-Sample Exceedances

| Beach | Sample Location | Total # of Samples | # of Sample Exceed 104 | % of Sample Exceed 104 |
|------------------------------|-----------------|--------------------|------------------------|------------------------|
| ALL Beaches TOTAL | | 1464 | 178 | 12.2% |
| Public Beaches TOTAL | | 586 | 44 | 7.5% |
| Private Beaches TOTAL | | 878 | 134 | 15.3% |

Table A2-2: 2023 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 | CEDAR GROVE | Left | 22 | 4 | 18.2% | 16.7% |
| | CEDAR GROVE | Center | 22 | 4 | 18.2% | |
| | CEDAR GROVE | Right | 22 | 3 | 13.6% | |
| CONEY ISLAND | CONEY ISLAND BR. 15TH - 6TH | Center | 20 | 0 | 0.0% | 4.0% |
| | CONEY ISLAND BR. 6TH - OCEAN PKWY | Center | 20 | 0 | 0.0% | |
| | CONEY ISLAND OCEAN PKWY - WEST 8TH | Center | 21 | 0 | 0.0% | |
| | CONEY ISLAND WEST 8TH - PIER | Center | 22 | 4 | 18.2% | |
| | CONEY ISLAND WEST 16TH - WEST 27TH | Center | 22 | 1 | 4.5% | |
| | CONEY ISLAND WEST 28TH - WEST 37TH | Center | 21 | 0 | 0.0% | |
| MANHATTAN BEACH | MANHATTAN BEACH | Left | 20 | 2 | 10.0% | 10.0% |
| | MANHATTAN BEACH | Center | 20 | 3 | 15.0% | |
| | MANHATTAN BEACH | Right | 20 | 1 | 5.0% | |
| MIDLAND BEACH | MIDLAND BEACH | Left | 21 | 3 | 14.3% | 9.5% |
| | MIDLAND BEACH | Center | 21 | 2 | 9.5% | |
| | MIDLAND BEACH | Right | 21 | 1 | 4.8% | |
| ORCHARD BEACH | ORCHARD BEACH | Left | 21 | 1 | 4.8% | 4.8% |
| | ORCHARD BEACH | Center | 21 | 2 | 9.5% | |
| | ORCHARD BEACH | Right | 21 | 0 | 0.0% | |
| ROCKAWAY BEACH | ROCKAWAY BEACH 9TH - 13TH | Center | 10 | 0 | 0.0% | 0.0% |
| | ROCKAWAY BEACH 15TH - 22TH | 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 | 9 | 0 | 0.0% | |
| | ROCKAWAY BEACH 126TH - 149TH | Center | 10 | 0 | 0.0% | |
| SOUTH BEACH | SOUTH BEACH | Left | 23 | 1 | 4.3% | 15.9% |
| | SOUTH BEACH | Center | 23 | 4 | 17.4% | |
| | SOUTH BEACH | Right | 23 | 6 | 26.1% | |
| WOLFE'S POND BEACH | WOLFE'S POND BEACH | Left | 20 | 1 | 5.0% | 3.3% |
| | WOLFE'S POND BEACH | Center | 20 | 1 | 5.0% | |
| | WOLFE'S POND BEACH | Right | 20 | 0 | 0.0% | |
| Public Beaches (Locations) Total | | | 586 | 44 | 7.5% | |

Table A2-3: 2023 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 | 19 | 4 | 21.1% | 22.8% |
| | AMERICAN TURNER | Center | 19 | 5 | 26.3% | |
| | AMERICAN TURNER | Right | 19 | 4 | 21.1% | |
| BREEZY POINT 219 | BREEZY POINT 219 | Center | 9 | 0 | 0.0% | 0.0% |
| BREEZY POINT REID | BREEZY POINT REID AVE | Center | 9 | 0 | 0.0% | 0.0% |
| DANISH AMERICAN BEACH CLUB | DANISH AMERICAN BEACH CLUB | Left | 21 | 3 | 14.3% | 19.0% |
| | DANISH AMERICAN BEACH CLUB | Center | 21 | 3 | 14.3% | |
| | DANISH AMERICAN BEACH CLUB | Right | 21 | 6 | 28.6% | |
| DOUGLSTON MANOR ASSOCIATION | DOUGLSTON MANOR ASSOCIATION | Left | 22 | 8 | 36.4% | 31.8% |
| | DOUGLSTON MANOR ASSOCIATION | Center | 22 | 6 | 27.3% | |
| | DOUGLSTON MANOR ASSOCIATION | Right | 22 | 7 | 31.8% | |
| GERRITSEN/KIDDIE BEACH | GERRITSEN/KIDDIE BEACH | Left | 21 | 5 | 23.8% | 22.2% |
| | GERRITSEN/KIDDIE BEACH | Center | 21 | 4 | 19.0% | |
| | GERRITSEN/KIDDIE BEACH | Right | 21 | 5 | 23.8% | |
| KINGSBOROUGH COMMUNITY COLLEGE | KINGSBOROUGH COMMUNITY COLLEGE | Left | 4 | 0 | 0.0% | 0.0% |
| | KINGSBOROUGH COMMUNITY COLLEGE | Center | 4 | 0 | 0.0% | |
| | KINGSBOROUGH COMMUNITY COLLEGE | Right | 4 | 0 | 0.0% | |
| LOCUST POINT YACHT CLUB | LOCUST POINT YACHT CLUB | Left | 19 | 1 | 5.3% | 8.8% |
| | LOCUST POINT YACHT CLUB | Center | 19 | 1 | 5.3% | |
| | LOCUST POINT YACHT CLUB | Right | 19 | 3 | 15.8% | |
| THE STRAND | THE STRAND | Left | 19 | 4 | 21.1% | 14.0% |
| | THE STRAND | Center | 19 | 1 | 5.3% | |
| | THE STRAND | Right | 19 | 3 | 15.8% | |
| MORRIS YACHT AND BEACH CLUB | MORRIS YACHT AND BEACH CLUB | Left | 21 | 1 | 4.8% | 6.3% |
| | MORRIS YACHT AND BEACH CLUB | Center | 21 | 1 | 4.8% | |
| | MORRIS YACHT AND BEACH CLUB | Right | 21 | 2 | 9.5% | |
| SCHUYLER HILL CIVIC ASSOCIATION | SCHUYLER HILL CIVIC ASSOCIATION | Left | 21 | 1 | 4.8% | 9.5% |
| | SCHUYLER HILL CIVIC ASSOCIATION | Center | 21 | 2 | 9.5% | |
| | SCHUYLER HILL CIVIC ASSOCIATION | Right | 21 | 3 | 14.3% | |
| SEA GATE 42 ND | SEA GATE 42 ND | Left | 19 | 1 | 5.3% | 5.3% |
| | SEA GATE 42 ND | Center | 19 | 1 | 5.3% | |
| | SEA GATE 42 ND | Right | 19 | 1 | 5.3% | |
| SEA GATE BEACH CLUB | SEA GATE BEACH CLUB | Left | 19 | 0 | 0.0% | 3.6% |
| | SEA GATE BEACH CLUB | Center | 19 | 1 | 5.3% | |
| | SEA GATE BEACH CLUB | Right | 18 | 1 | 5.6% | |
| TRINITY DANISH | TRINITY DANISH | Left | 21 | 3 | 14.3% | 17.5% |
| | TRINITY DANISH | Center | 21 | 3 | 14.3% | |
| | TRINITY DANISH | Right | 21 | 5 | 23.8% | |
| WEST FORDHAM STREET ASSOCIATION | WEST FORDHAM STREET ASSOCIATION | Left | 22 | 1 | 4.5% | 4.5% |
| | WEST FORDHAM STREET ASSOCIATION | Center | 22 | 1 | 4.5% | |
| | WEST FORDHAM STREET ASSOCIATION | Right | 22 | 1 | 4.5% | |

| Beach | Sample Location | | Total # of Samples | # of Sample Exceed 104 | % of Sample Exceed 104 (Location) | % of Sample Exceed 104 (Beach) |
|--|--------------------------------------|--------|--------------------|------------------------|-----------------------------------|--------------------------------|
| WHITE CROSS FISHING CLUB | WHITE CROSS FISHING CLUB | Left | 19 | 6 | 31.6% | 26.3% |
| | WHITE CROSS FISHING CLUB | Center | 19 | 4 | 21.1% | |
| | WHITE CROSS FISHING CLUB | Right | 19 | 5 | 26.3% | |
| WHITESTONE BOOSTER CIVIC ASSOCIATION | WHITESTONE BOOSTER CIVIC ASSOCIATION | Left | 20 | 5 | 25.0% | 28.3% |
| | WHITESTONE BOOSTER CIVIC ASSOCIATION | Center | 20 | 5 | 25.0% | |
| | WHITESTONE BOOSTER CIVIC ASSOCIATION | Right | 20 | 7 | 35.0% | |
| Private Beaches (Locations) Total | | | 878 | 134 | 15.3% | |

Table A2-4: 2023 Private Freshwater Lake Samples and Single-Sample Exceedances

| Beach | Sample Location | | Total # of Samples | # of Sample Exceed 61 | % of Sample Exceed 61 (Location) | % of Sample Exceed 61 (Lake) |
|--|--------------------|--------|--------------------|-----------------------|----------------------------------|------------------------------|
| Staten Island YMCA | Staten Island YMCA | Left | 0 | 0 | 0.00% | 0.00% |
| | Staten Island YMCA | Center | 0 | 0 | 0.00% | |
| | Staten Island YMCA | Right | 0 | 0 | 0.00% | |
| Private Freshwater Lake (Locations) Total | | | 0 | 0 | 0.00% | |

APPENDIX B: 2023 ADVISORIES AND CLOSURES

Table B-1: Summary of Beach Advisories and Closure

| Beach | Types | Reason | Start Date | End Date** | Beach Open Days | # of Beach-Specific Days | Notification (Beach Specific Days) | | |
|--------------------------------|---------------------|---|------------|------------|-----------------|--------------------------|------------------------------------|-----------|------------|
| | | | | | | | Advisory | Closure | Total |
| NYC ALL Beaches (N=25)* | Advisory or Closure | Enterococci Exceedance, Rainfall Event, Air Quality, Shark Sighting | 5/27/2023 | 9/10/2023 | 1,850 | 664 | 623 | 41 | 664 |

*One private beach did not open for 2023 season.

** Several private beaches closed for the season on 9/4/2023.

Table B-2: Public Beaches Advisories and Closures

| Beach | Types | Reason | Start Date | End Date | Beach Open Days | # of Beach-Specific Days | Notification (Beach Specific Days) | | |
|-----------------------------|----------|------------------------|------------|------------|-----------------|--------------------------|------------------------------------|----------|-----------|
| | | | | | | | Advisory | Closure | Total |
| CEDAR GROVE | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 87 | 1 | 19 | 1 | 20 |
| | Advisory | Enterococci Exceedance | 07/19/2023 | 08/04/2023 | | 17 | | | |
| | Advisory | Enterococci Exceedance | 08/09/2023 | 08/10/2023 | | 2 | | | |
| CONEY ISLAND | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 102 | 1 | 4 | 1 | 5 |
| | Advisory | Enterococci Exceedance | 08/09/2023 | 08/10/2023 | | 2 | | | |
| | Advisory | Enterococci Exceedance | 08/23/2023 | 08/24/2023 | | 2 | | | |
| MANHATTAN BEACH | Advisory | Enterococci Exceedance | 05/27/2023 | 05/31/2023 | 101 | 5 | 5 | 1 | 6 |
| | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | | 1 | | | |
| MIDLAND BEACH | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 104 | 1 | 2 | 1 | 3 |
| | Advisory | Enterococci Exceedance | 08/09/2023 | 08/10/2023 | | 2 | | | |
| ROCKAWAY BEACH | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 105 | 1 | 0 | 2 | 2 |
| | Closure | Other – Shark Sighting | 08/08/2023 | 08/08/2023 | | 1 | | | |
| ORCHARD BEACH | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 104 | 1 | 2 | 1 | 3 |
| | Advisory | Enterococci Exceedance | 08/31/2023 | 09/01/2023 | | 2 | | | |
| SOUTH BEACH | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 69 | 1 | 37 | 1 | 38 |
| | Advisory | Enterococci Exceedance | 07/07/2023 | 07/08/2023 | | 2 | | | |
| | Advisory | Enterococci Exceedance | 07/19/2023 | 07/20/2023 | | 2 | | | |
| | Advisory | Enterococci Exceedance | 08/09/2023 | 09/10/2023 | | 33 | | | |
| WOLFE'S POND PARK | Closure | Other - Air Quality | 06/08/2023 | 06/08/2023 | 106 | 1 | 0 | 1 | 1 |
| Public Beaches Total | | | | | 778 | 78 | 69 | 9 | 78 |

Table B-3: Private Beaches Advisories and Closures

| Beach | Types | Reason | Start Date | End Date | Beach Open Days | # of Beach-Specific Days | Notification (Beach Specific Days) | | |
|---------------------------------------|----------|------------------------|------------|------------|-----------------|--------------------------|------------------------------------|---------|-------|
| | | | | | | | Warning | Closure | Total |
| AMERICAN TURNER | Advisory | Enterococci Exceedance | 06/23/2023 | 06/28/2023 | 53 | 6 | 48 | 0 | 48 |
| | Advisory | Rainfall Event | 07/03/2023 | 07/04/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 07/08/2023 | 07/12/2023 | | 5 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 08/03/2023 | 09/04/2023 | | 33 | | | |
| BREEZY POINT 219 | | | | | 101 | 0 | 0 | 0 | 0 |
| BREEZY POINT REID | | | | | 101 | 0 | 0 | 0 | 0 |
| DANISH AMERICAN BEACH CLUB | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | 62 | 2 | 45 | 0 | 45 |
| | Warning | Enterococci Exceedance | 07/08/2023 | 07/12/2023 | | 5 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 08/03/2023 | 08/09/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/16/2023 | | 4 | | | |
| | Warning | Enterococci Exceedance | 08/17/2023 | 09/10/2023 | | 25 | | | |
| DOUGLSTON MANOR ASSOCIATION | Closure | Enterococci Exceedance | 06/08/2023 | 06/14/2023 | 31 | 7 | 66 | 10 | 76 |
| | Warning | Enterococci Exceedance | 06/15/2023 | 06/22/2023 | | 8 | | | |
| | Warning | Enterococci Exceedance | 06/23/2023 | 07/07/2023 | | 15 | | | |
| | Warning | Rainfall Event | 07/10/2023 | 07/11/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 07/13/2023 | 07/19/2023 | | 7 | | | |
| | Warning | Rainfall Event | 07/26/2023 | 07/26/2023 | | 1 | | | |
| | Warning | Rainfall Event | 07/28/2023 | 07/28/2023 | | 1 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/09/2023 | | 3 | | | |
| | Warning | Enterococci Exceedance | 08/10/2023 | 08/16/2023 | | 7 | | | |
| | Closure | Enterococci Exceedance | 08/17/2023 | 08/18/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 08/19/2023 | 09/10/2023 | | 23 | | | |
| GERRITSEN/KIDDIE BEACH | Warning | Rainfall Event | 07/04/2023 | 07/04/2023 | 40 | 1 | 60 | 7 | 67 |
| | Warning | Enterococci Exceedance | 07/07/2023 | 07/11/2023 | | 5 | | | |
| | Closure | Enterococci Exceedance | 07/12/2023 | 07/18/2023 | | 7 | | | |
| | Warning | Enterococci Exceedance | 07/19/2023 | 09/10/2023 | | 54 | | | |
| KINGSBOROUGH COMMUNITY COLLEGE | | | | | 0 | 0 | 0 | 0 | 0 |

| Beach | Types | Reason | Start Date | End Date | Beach Open Days | # of Beach-Specific Days | Notification (Beach Specific Days) | | |
|---------------------------------|---------|------------------------|------------|------------|-----------------|--------------------------|------------------------------------|---------|-------|
| | | | | | | | Warning | Closure | Total |
| LOCUST POINT YACHT CLUB | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | 76 | 2 | 25 | 0 | 25 |
| | Warning | Rainfall Event | 07/10/2023 | 07/10/2023 | | 1 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/08/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/16/2023 | | 4 | | | |
| | Warning | Enterococci Exceedance | 08/17/2023 | 08/23/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/26/2023 | 08/27/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 08/31/2023 | 09/04/2023 | | 5 | | | |
| THE STRAND | Warning | Enterococci Exceedance | 06/23/2023 | 06/28/2023 | 65 | 6 | 36 | 0 | 36 |
| | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | | 2 | | | |
| | Warning | Rainfall Event | 07/10/2023 | 07/10/2023 | | 1 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/08/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/16/2023 | | 4 | | | |
| | Warning | Enterococci Exceedance | 08/17/2023 | 09/04/2023 | | 19 | | | |
| MORRIS YACHT AND BEACH CLUB | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | 85 | 2 | 22 | 0 | 22 |
| | Warning | Rainfall Event | 07/10/2023 | 07/10/2023 | | 1 | | | |
| | Warning | Enterococci Exceedance | 07/13/2023 | 07/19/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/08/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/19/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/26/2023 | 08/27/2023 | | 2 | | | |
| | Warning | Rainfall Event | 09/10/2023 | 09/10/2023 | | 1 | | | |
| SCHUYLER HILL CIVIC ASSOCIATION | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | 76 | 2 | 31 | 0 | 31 |
| | Warning | Rainfall Event | 07/10/2023 | 07/10/2023 | | 1 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/08/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/16/2023 | | 4 | | | |
| | Warning | Enterococci Exceedance | 08/17/2023 | 08/23/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/26/2023 | 08/27/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 08/31/2023 | 09/10/2023 | | 11 | | | |
| SEAGATE 42nd | | | | | 101 | 0 | 0 | 0 | 0 |
| SEAGATE BEACH CLUB | | | | | 101 | 0 | 0 | 0 | 0 |

| Beach | Types | Reason | Start Date | End Date | Beach Open Days | # of Beach-Specific Days | Notification (Beach Specific Days) | | |
|---------------------------------------|---------|------------------------|------------|------------|-----------------|--------------------------|------------------------------------|-----------|------------|
| | | | | | | | Warning | Closure | Total |
| TRINITY DANISH YOUNG PEOPLE'S SOCIETY | Warning | Enterococci Exceedance | 06/23/2023 | 06/28/2023 | 44 | 6 | 63 | 0 | 63 |
| | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | | 2 | | | |
| | Warning | Enterococci Exceedance | 07/08/2023 | 07/26/2023 | | 19 | | | |
| | Warning | Enterococci Exceedance | 08/03/2023 | 08/09/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/16/2023 | | 4 | | | |
| | Warning | Enterococci Exceedance | 08/17/2023 | 09/10/2023 | | 25 | | | |
| WEST FORDHAM STREET ASSOCIATION | Warning | Rainfall Event | 07/03/2023 | 07/04/2023 | 90 | 2 | 17 | 0 | 17 |
| | Warning | Rainfall Event | 07/10/2023 | 07/10/2023 | | 1 | | | |
| | Warning | Rainfall Event | 07/16/2023 | 07/17/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/07/2023 | 08/08/2023 | | 2 | | | |
| | Warning | Rainfall Event | 08/13/2023 | 08/19/2023 | | 7 | | | |
| | Warning | Rainfall Event | 08/26/2023 | 08/27/2023 | | 2 | | | |
| | Warning | Rainfall Event | 09/10/2023 | 09/10/2023 | | 1 | | | |
| WHITE CROSS FISHING CLUB | Warning | Enterococci Exceedance | 06/23/2023 | 09/04/2023 | 27 | 74 | 74 | 0 | 74 |
| WHITESTONE BOOSTER CIVIC ASSOCIATION | Warning | Enterococci Exceedance | 06/15/2023 | 06/22/2023 | 19 | 8 | 67 | 15 | 82 |
| | Closure | Enterococci Exceedance | 06/23/2023 | 07/07/2023 | | 15 | | | |
| | Warning | Enterococci Exceedance | 07/08/2023 | 09/04/2023 | | 59 | | | |
| Private Beaches TOTAL | | | | | 1,072 | 586 | 554 | 32 | 586 |

APPENDIX C: 2023 INSPECTION SUMMARY

Table C-1: Inspection Non-Compliance Summary*

| Beach Name | General Violations** | |
|--------------------|----------------------|---------------|
| | 167.31(a) | 167.09(a)(13) |
| CONEY ISLAND BEACH | | √ |
| ROCKAWAY BEACH | √ | |
| ORCHARD BEACH | √ | |

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

***** General Violations:**

§167.09(a)(13) Numerous areas of boardwalk in disrepair (broken planks/nails).

§167.31(a) Toilet facility not properly maintained