Louisiana Department of Health
Office of Public Health
Center for Environmental Health

Louisiana BEACH Grant Report
2025 Swimming Season

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In cooperation with Louisiana Department of Health
Office of Public Health, Center for Environmental Health

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EXECUTIVE SUMMARY

This document was prepared to partially fulfill the Louisiana Department of Health's (LDH; formerly known as Louisiana Department of Health and Hospitals [LDHH]), Office of Public Health, Center for Environmental Health Services (CEHS) reporting obligations under the U.S. Environmental Protection Agency's (USEPA) BEACH grant program, Federal Assistance Agreement Number CU-02F37702-0. Prior to publication of this report, the document was distributed to USEPA and the Louisiana Department of Environmental Quality for comments. The comments provided by both agencies were incorporated into this report. The report was made available to the public through CEHS's Beach Monitoring Program website (https://ldh.la.gov/page/beach-monitoring-program).

As documented in *Louisiana's BEACH Grant Final Report – Grant Year 2001* (LDHH 2003; the Beach Grant Report) and *Louisiana's Beach Program Quality Assurance Project Plan* (QAPP; LDH 2025), CEHS is to submit an annual technical report to USEPA after the end of the recreational period that summarizes the number of beaches monitored in each tier, lists any additional beaches to be added to the Program and tier reassignments to be made in the next year, presents a compilation of sampling results, and summarizes beach assessment activities and response actions. The report is also to include for Tier 1 and 2 beaches, the number of beach monitoring stations for which advisories were issued, the number of beach advisory criteria exceedances and the number of days under advisories for each beach monitoring station. This report satisfies the reporting obligations set forth in the Beach Grant Report and outlined above.

Monitoring was started and conducted on schedule from the start of the monitoring season (7 April) through the end of the season (31 October). Of 690 routine samples scheduled to be collected at 23 sample stations across 9 Tier 1 or 2 continuous beach segments, 685 (99%) were collected and processed. The five missed routine samples were collected as scheduled but were not successfully processed due to a lab accident (1 sample), contractor error (1 sample), and lab rejection because of expired collection vessels (3 samples).

Enterococci densities during 2025 were within historic ranges for all beach segments and were: 1) lower than in 2024 at Constance Beach Complex, Holly Beach, Lake Charles North Beach and Rutherford Beach, 2) similar to 2024 levels at Elmers Island, Fontainebleau State Park, and Grand Isle Beach; and 3) higher than 2024 at Cypremort Point and Grand Isle State Parks. The drivers of these annual fluctuations are complex and interacting, but do not appear to be linked to changes in salinity, precipitation, or water temperature.

During 2025, salinity was lower at all beaches than in 2024 except at Cypremort Point State Park and Lake Charles North Beach where it was higher (Figure 4). Annual variation in salinity at sample stations are likely due to annual differences in inland rainfall and associated river discharge rates near monitored beaches. In general, higher salinity is associated with lower enterococci density within beach segments but is not sufficiently predictive of water quality due to interaction between salinity, water temperature, and precipitation.

During the 2025 swimming season (1 May – 31 October), 77 advisories and 0 closures were issued based on observed exceedances. Advisories were issued at all monitored Tier 1 and 2

sample stations during 2025, except for Elmer's Island. Compliance at stations monitored throughout the swimming season varied between 100% of monitored days in compliance (Elmer's Island), to a low of 11% at Cypremort Point State Park. Across all monitored sample stations, 53% (2,237 of 4,209) of the 2025 swimming season's available station-days (monitored station-days not under closure) were in compliance and not under an advisory.

Beach advisories issued in 2025 resulted from exceedances of enterococci geometric mean or single sample maximum criteria (the weekly sample must be ≤104 MPN/100 ml and a steady state maximum, based on a 30-day running geometric mean, must be ≤35 MPN/100). The enterococci geometric mean was exceeded in 259 of 293 (88.4%) observed noncompliance station-weeks, with 173 (59.0%) of those noncompliance weeks resulting from enterococci geometric mean exceedances only, 86 (29.4%) resulting from both enterococci geometric mean and single sample maximum exceedances, and 34 (11.6%) resulted from exceedance of enterococci single sample maximum criterion alone.

Louisiana would have issued only 41% of its 2025 advisories if the State's decision rule were based only on the enterococci single sample maximum criterion (≤104 cfu/100mL). If Louisiana had used the Beach Action Value (BAV) criterion of 60 cfu/100mL[1] during 2025 in lieu of its current criteria, 77% of the weekly advisory decisions would be unchanged, 20% of station-weeks placed under advisory for exceedance of Louisiana's criteria would be deemed in compliance, and 4% of 2025 station-weeks exceeded the BAV criteria but were in compliance with Louisiana's beach advisory criteria. Accordingly, Louisiana's beach advisory criteria are more protective of public health than the BAV criterion, and Louisiana's geometric mean criterion identifies periods of likely high risk, which result in advisories being extended for weeks with missed samples.

Based on year-end audit and data review, all completeness goals were achieved during 2025, and there were no variances from the QAPP detected other than exceedance of enterococci lab precision goal. Results for all successfully processed samples were considered valid and recorded in the Program's database. All monitoring and notification data collected during 2025 have been uploaded to using the Environmental Information Exchange Network Services Center. Notification (advisory) and monitoring data are available for public review and download through EPA's BEACON website (https://watersgeo.epa.gov/beacon2/about.html).

In preparation for the 2026 Beach monitoring season, risk levels at Program beaches were reassessed to determine whether additional beaches warranted monitoring. Risk is a function of historical water quality conditions, based on past sampling, and anticipated beach use. Based on observed use levels and patterns during the 2025 swimming season and projections of use for the 2026 swimming season, it is anticipated that use levels and patterns will remain at approximately historical levels for all beaches.

The anticipated use and historical water quality risk levels resulted in the 2026 monitoring season classification of six continuous beach segments as Tier 1 beaches (Fontainebleau State Park, Elmer's Island, Grand Isle and Cypremort Point State Parks, Holly Beach, and Lake

[1] As recommended in *National Beach Guidance and Required Performance Criteria for Grants*, EPA-820-D-13-001, dated April 18, 2014.

Charles North Beach), three beach segments as Tier 2 (Grand Isle Beach, the Constance Beach Complex, and Rutherford Beach), and one Tier 4 beach segment (Elmer's Island East). This results in approximately 6 miles of Tier 1 beaches, approximately 14 miles of Tier 2 beaches, and 0 of 1.96 miles of Tier 4 beaches scheduled for monitoring during 2026.

CHAPTER 1. Purpose, Background and 2025 Program Accomplishments

Purpose

According to *Louisiana's BEACH Grant Final Report – Grant Year 2001* (the Beach Grant Report; LDHH 2003) and *Louisiana's Beach Program Quality Assurance Project Plan* (QAPP; LDH 2025), the Louisiana Department of Health (LDH; formerly known as Louisiana Department of Health and Hospitals [LDHH]), Office of Public Health (OPH), Center for Environmental Health Services (CEHS) is to submit an annual technical report to the U.S. Environmental Protection Agency (USEPA) after the end of the recreational period. The report should accomplish the following: summarize the number of beaches monitored in each tier, list any additional beaches to be added to the Program and tier reassignments to be made in the coming year, provide a compilation of the sampling results, and summarize beach assessment activities and response actions. This annual technical report for the 2025 recreational period satisfies all the requirements described above.

This document consists of four chapters. In this chapter, 2025 Program accomplishments are summarized. Chapter 2 contains a summary of the number of beaches that were monitored in each tier, and a description of updates to Louisiana's BEACH Program, as anticipated under the Beach Grant Report. Louisiana's BEACH Program updates include descriptions of 2025 Program modifications and changes to tier assignments and beaches to be monitored under the Program in 2026. In Chapter 3, monitoring and response actions for 2025 are provided. Data quality assessment results for the 2025 swimming season are presented in Chapter 4. Appendix A contains station IDs and names, USEPA IDs, locations (latitude and longitude), beach lengths, and maps of beach sample sites. Appendixes B through D contain graphical time series analyses of water quality data, sample results, and a summary of how Louisiana's BEACH Program has fulfilled the original BEACH Grant requirements, respectively.

Background

Water is one of Louisiana's greatest natural resources. Louisiana's vast estuarine basins provide a unique playground for swimming, wading, boating, fishing, and other aquatic activities; however, swimming in waters with high bacteria densities from fecal sources is a known threat to public health, causing elevated rates of gastrointestinal illness. Historically, the Louisiana Department of Environmental Quality (LDEQ) conducted routine ambient monitoring of state coastal waters designated for primary contact recreation utilizing fecal coliform criteria to assess attainment of ambient water quality standards for swimming uses. However, coastal recreation waters and "high-use" swimming waters had not been designated in state regulations by LDEQ, and there were no mechanisms in place to routinely sample water quality or to provide the public with the results of risk-based analyses that allow for an informed decision prior to swimming at coastal beaches.

Therefore, in response to growing concern about public health risks posed by polluted bathing beaches, the U.S. Congress passed the BEACH Act in 2000. In 2001, the USEPA, under the provisions of the BEACH Act, made grant funds available to the OPH for the development of a monitoring and notification program for high-use coastal recreation sites, referred to as

Louisiana's BEACH Program. Since initial grants were awarded, Louisiana's BEACH Program has been developed and successfully implemented under the guidance of the CEHS, in cooperation with LDEQ.

Consistent with USEPA's guidance, Louisiana's BEACH Program consists of two primary activities: monitoring and notification. Since bacteriological contaminants cannot be effectively monitored directly, monitoring for fecal contamination of surface waters requires the identification of indicator organisms that are associated with fecal contamination and readily monitored using available technologies. Like most other states, Louisiana historically used fecal coliform densities as the indicator of bacteriological contamination of surface waters. However, under the terms of BEACH grant awards, states must base decisions about marine water quality at sites monitored using BEACH grant funds on enterococci bacteria densities. Enterococci have become accepted by the scientific community as more closely associated with rates of gastrointestinal illness in marine environments than fecal coliform densities, and thus USEPA believes that the use of enterococci may serve to better protect the public health in marine environments.

The second primary activity under the Program is public notification. Louisiana's BEACH Program issues public health advisories at Tier 1 and 2 monitored sites (tiers are defined in Chapter 2) when water quality samples are found to exceed the beach advisory enterococci criteria. The advisory criteria consist of a single sample maximum (the weekly sample enterococci density must be ≤104 MPN/100 ml) and a steady state maximum, based on a 30-day running geometric mean (≤35 MPN/100 ml). Advisories urge users to abstain from swimming, but do not officially "close" the water body to recreational use. The Program disseminates swim advisories by website postings, and by opening pole-mounted signs which are installed at the beach monitoring sites. When water quality sample results indicate that bacteria levels at beach sites under swim advisories are once again compliant with the advisory criteria, the public is notified that the advisory has been lifted through beach signage and the website (https://ldh.la.gov/page/beach-monitoring-program).

2025 Program Accomplishments

During 2025, Louisiana's BEACH Program:

1. Monitored all accessible sample sites designated for monitoring in accordance with the requirements of their tier assignment throughout the swimming season; and
2. Continued to meet or exceed the quality assurance/quality control goals established in the Program's QAPP (LDH 2025), except as noted in Chapter 4.

CHAPTER 2 - Update of BEACH Program

Review of Beach Rankings

In 2003, the CEHS completed a systematic process to identify and rank Louisiana's beaches according to risk. The process consisted of the following steps (LDHH 2003):

1. Identification and definition of coastal recreation waters;
2. Identification of beaches or similar points of access used by the public for swimming, bathing, surfing, or similar water contact activities;
3. Review of available information on levels of potential fecal contamination at beaches and intensity of beach use; and
4. Ranking of beaches to decide which would be included in Louisiana's BEACH Program.

Based on levels of beach use and perceptions of water quality from estimated fecal coliform densities in adjacent waters, a qualitative ranking scheme was devised and used to assign each beach to an appropriate monitoring tier. The monitoring tiers define levels of monitoring and public notification such that beaches with a greater density of swimmers, and thus a greater number of people at risk, receive a higher intensity of monitoring and public notification than lower use beaches. Monitoring and public notification procedures are the same at Tier 1 and Tier 2 beaches, but sample station density differs. Sample stations are closer together at Tier 1 beaches, no more than 500 meters apart, while sample stations are no more than 2 miles apart on continuous beach segments at Tier 2 beaches. Sample stations at Tier 3 and 4 beaches are at the same density as Tier 2 beaches, but samples are not collected weekly, and accordingly, weekly public advisories are not issued for Tier 3 and 4 beaches. Tier 4 beaches meet the same criteria specified for Tier 3 beaches, which are described below, but due to very limited primary contact recreation use and historically good water quality, are not monitored.

The initial assignments of beach segments to monitoring tiers were completed in 2003 (LDHH 2003). The estimated number of swimmers at each beach was based on information obtained primarily from law enforcement officials responsible for patrolling the beach and from park managers. The officials provided estimates of the number of beach visitors on a typical weekday, weekend, and holiday during the peak swimming season, May 1 through Labor Day, along with an estimate of the percentage of beach users entering the water. These estimates were combined by adding typical weekday and weekend use to provide an estimate of weekly use. Weekly use was multiplied by the number of weeks in the recreational period and added to the estimated number of holiday visitors during Memorial Day, Fourth of July, Labor Day, and any other beach-specific major events. Because the resulting total was an estimate of unknown precision, those estimates were generalized into broad categories of use for relative comparison as follows:

Category of Use	Estimated Number of Swimmers Annually
Very Low	<5,000
Low	5,000 to <10,000
Moderate	10,000 to <15,000
High	15,000 to 20,000
Very High	>20,000

Because beach water quality was either inferred from the water quality of the surrounding area or based on a brief period of data, and no studies were available providing a model of the site-specific relationship between fecal coliform concentrations and illness rates, the qualitative ranking process relied primarily on beach use. Beaches classified as having very high or high use were assigned to Tier 1 and receive the most monitoring attention. Beaches classified as having moderate use were assigned to Tier 2. Beaches with low or very low use were assigned to Tier 3 and targeted for additional bacterial indicator monitoring to better characterize risk. Beaches on private land or with existing swimming advisories posted by the State, and with very low public use, were excluded from further consideration. A total of 29.16 miles of beach were considered for monitoring under Louisiana's BEACH Program, of which 23 miles were assigned to a monitoring tier (LDHH 2003).

CEHS anticipated that beach use and water quality could change through time and planned to re-evaluate beach rankings on an annual basis at the end of each swimming season (LDHH 2003). In 2006, it was decided that the Program would continue to evaluate risk primarily on the estimated density of swimmers at a beach in accordance with the original categories of use described above, but a new method of assessing water quality risk was developed. The original assessment evaluated water quality based on estimated fecal coliform densities, which was the only beach specific indicator organism data available at the time. Data collected during 2004 and 2005 provided new information about water quality, including enterococci densities, which were not previously available. Because USEPA's chosen indicator organism for marine waters is enterococci, and because greater than 99.8% of all of Louisiana's swim advisories issued through 2005 involved exceedance of beach advisory enterococci criteria, new water quality categories based on enterococci densities were developed for use in the risk-based tier assignment process (LDHH 2006).

A sample station's annual enterococci geometric mean density was strongly correlated with the percentage of monitored weeks under advisory, so a sample station's annual geometric mean is a good indicator of the likelihood of exceeding the established limits of acceptable risk. Accordingly, beginning in 2006 water quality risk categories were based on the ratio of a beach's prior year's annual enterococci geometric mean to the enterococci geometric mean decision criterion of 35 MPN/100 ml (LDHH 2006). Water quality risk categories were established as: "Lower Risk" if the beach's annual geometric mean/35 < 0.5; "Moderate Risk" if the beach's annual geometric mean/35 ≥ 0.5 and < 1; and "Higher Risk" if the beach's annual geometric mean/35 ≥ 1. Continuous beach segments are reassigned annually to tier risk categories based on beach segment-specific enterococci water quality risk categorization and expected beach use. Table 1 identifies the beaches that were monitored under the Program during 2025, their designated 2026 monitoring tier, and associated sample stations.

During 2025, six continuous beach segments were designated as Tier 1 beaches and scheduled for monitoring (Grand Isle, Cypremort Point, and Fontainebleau State Parks; Elmer's Island, Holly Beach, and North Beach in Lake Charles), and three continuous beach segments were designated as Tier 2 (Grand Isle Beach, Rutherford Beach, and the Constance Beach Complex). All beach segments were monitored at their designated tiers during 2025. Elmer's Island-East (ELMR2) was assigned to Tier 4 for the 2025 swim season due to very low usage in accordance with EPA guidance (the beach is used by the public but not monitored).

Table 1. Continuous beach segments, beach miles, monitoring tier assignments for 2025 and 2026, and sample stations.

Continuous Beach Segments	Designated Beach Miles	First Year Sampled	2025 Designated Monitoring Tier[2]	2025 Actual Monitoring Tier[2]	2026 Designated Monitoring Tier[2]	Sample Station State IDs[1]
Lake Pontchartrain Basin Beaches						
Fontainebleau State Park	0.15	2004	1	1	1	FONT1
Barataria River Basin Beaches						
Elmer's Island	0.31	2012	1	1	1	ELMR1
Elmer's Island-East	1.96	2012	4	4	4	ELMR2
Grand Isle State Park	1.15	2004	1	1	1	GISP1-4
Grand Isle Beach	6.15	2005	2	2	2	GIB1-3
Vermilion-Teche River Basin Beaches						
Cypremort Point State Park	0.45	2004	1	1	1	CYPT1
Calcasieu River Basin - Lake Charles Beaches						
North Beach - Lake Charles	0.43	2009	1	1	1	LCNB1
Calcasieu River Basin - Cameron Beaches						
Holly Beach	3.45	2005	1	1	1	HOLLY1-6
Mermentau River Basin Beaches						
Rutherford Beach	1.52	2005	2	2	2	RUTH1
Sabine River Basin Beaches						
Constance Beach Complex (CNSTBC)	6.29	2005	2	2	2	CNST1, DUNG1, GBRZ1, LTFL1, MART1

Note: [1] Sample station names, USEPA IDs and locations are provided in Appendix A.; [2] Tier assignments based on risk categorization; Tier 4 indicates a tier 3 beach that is used by the public and is not monitored.

In summary, during 2025, the Program monitored all six continuous Tier 1 beach segments (approximately six beach miles), including sampling and public notification at all 14 of the Tier 1 sample stations (Table 2). Three Tier 2 continuous beach segments totaling approximately 14 miles were also monitored during 2025, including sampling and public notification at all 9 sample stations. One Tier 4 sample station on Elmer's Island East (ELMR2) was not scheduled to be monitored during 2025.

Table 2. Number of continuous beach segments, sample stations, and beach miles monitored by Tier during 2025 and planned for 2026.

	2025 (Actual)				2026 (Projected)			
Tier	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Number of Continuous Beach Segments	6	3	0	1	6	3	0	1
Number of Sample Stations	14	9	0	1	14	9	0	1
Total Beach Miles	6	14	0	2	6	14	0	2
Number of Continuous Beach Segments Monitored	6	3	0	0	6	3	0	0
Number of Sample Stations Monitored	14	9	0	0	14	9	0	0
Total Beach Miles Monitored	6	14	0	0	6	14	0	0

Using water quality data pooled across sample stations within each continuous beach segment, water quality risk categories were calculated to support the 2026 Tier assignments (Table 3). Because water quality can vary from year to year, two complementary risk-assessment systems were applied:

1. The Louisiana BEACH Program's beach risk classification, which evaluates risk based on 2025 data, and
2. the World Health Organization (WHO) risk categorization system, which evaluates longer-term conditions.

Table 3. Beach water quality and use risk categories for the 2026 swimming season based on anticipated use in 2026 and 2025 water quality data.

Beach	Anticipated 2025 Use	2025 Entero. Geometric Mean	2025 Entero. Geometric Mean / 35	2025 Water Quality Risk Cat.	Entero. 95th Parametric Percentile 2023-2025	WHO Risk Category[1]
CNSTBC	Low	32.2	92%	Moderate	329	C
CYPT	Mod.-High	62.3	178%	Higher	328	C
ELMR	High	11.7	34%	Lower	360	C
FNTB	High	36.5	104%	Higher	376	C
GIB	Moderate	14.5	41%	Lower	106	B
GISP[2]	Very High	22.9	65%	Moderate	160	B
HOLLY	Mod.-High	33.3	95%	Moderate	266	C
LCNB	Very High	45.5	130%	Higher	722	D
RUTH	Very Low	68.9	197%	Higher	891	D

Note: [1] WHO risk categorization based on 2023-2025 water quality data due to the requirement for a three-year evaluation term (risk categories previously defined in body of the report).

The WHO microbial water quality assessment criterion (WHO 2003, WHO 2021) was applied to the most recent three years of Louisiana BEACH data (2023–2025). Although the WHO framework also incorporates sanitary inspection categories—ranging from very good to very poor based on a beach's susceptibility to fecal contamination—this report evaluates only the microbial component.

Unlike the Louisiana BEACH Program, which relies on the annual geometric mean of enterococci, the WHO system uses the parametric 95th percentile of enterococci densities calculated over a multi-year period, typically at least three years. The 95th percentile was selected because it is easy to interpret, captures the upper range of water quality variability most relevant to public health, and is relatively robust to short-term fluctuations.

The WHO classifies microbial water quality into four categories based on enterococci density (cfu/100 mL) and the corresponding estimated gastrointestinal illness risk:

- A: ≤40 cfu/100 mL (fewer than 1 case per 100 exposures)
- B: 41–200 cfu/100 mL (1–5 cases per 100 exposures)
- C: 201–500 cfu/100 mL (5–10 cases per 100 exposures)

- D: >500 cfu/100 mL (more than 10 cases per 100 exposures)

For context, the USEPA's recommended enterococci criteria for marine recreational waters correspond to gastrointestinal illness rates of 19 illnesses per 1,000 swimmers (1986 criteria) and 32–36 illnesses per 1,000 swimmers (2012 criteria), both of which align with WHO category B. To facilitate comparison with Louisiana's risk categories, WHO classes A and B were grouped as lower risk, class C as moderate risk, and class D as higher risk.

Water quality calculated using the Louisiana and the WHO risk categorization systems generally agreed. Differences between the two categorization schemes can result from using different time periods (Louisiana's risk categorization uses only the report year, where the WHO uses three prior years), and metrics (geometric mean versus 95th percentile). Using the modified WHO risk categorization results, two continuous beach segments were classified in the B WHO risk category (Grand Isle Beach and Grand Isle State Park), five in risk category C (Constance Beach Complex, Cypremort Point State Park, Elmer's Island, Fontainebleau State Park and Holly Beach) and two in risk category D (Lake Charles North Beach and Rutherford Beach). Similarly, Louisiana's risk categorization resulted in two continuous beach segments classified in the lower water quality risk category (Grand Isle Beach and Elmer's Island), three in the moderate risk category (Constance Beach Complex, Grand Isle State Park and Holly Beach) and four in the higher risk category (Cypremort Point and Fontainebleau State Parks, Lake Charles North Beach and Rutherford Beach).

The Louisiana BEACH Program's beach risk classification system was used to assign beaches to monitoring tiers. Combined 2026 anticipated-use categories and 2025 water-quality rankings for each continuous beach segment are presented in Table 4. As noted earlier, tier categories continue to rely on the swimmer-density thresholds established in the original tiering framework; however, segments with low or very-low anticipated use are now designated as "Discretionary." For these segments, the Louisiana BEACH Program Manager may determine at any point during the monitoring season whether Tier 2, Tier 3, or Tier 4 monitoring is appropriate.

Table 4. Combined beach use and water quality risk categories for 2026.

	Water Quality Risk[1] =►			
# of Swimmers =▲	**Lower Risk**	**Moderate Risk**	**Higher Risk**	
VH		GISP	LCNB	**Tier 1**
H	ELMR1	HOLLY	CYPT, FNTB	
M	GIB			**Tier 2**
L		CNSTBC[2]		**Tier 3-4**
VL	ELMR2[3]		RUTH[4]	
	Discretionary			

Notes: [1]Water quality risk level based on 2025 data using Louisiana's risk classification. [2]CNSTBC will be monitored as tier 2 during 2026. [3]ELMER2 is classified as a Tier 4 beach for 2026 because of very low use and historically Lower Risk water quality and will not be monitored in 2026. [4]RUTH will be monitored as a tier 2 beach during 2026.

Because Constance Beach Complex and Rutherford Beach have very-low to low anticipated use but were classified as Moderate to Higher Risk based on 2025 water-quality data, both are

expected to remain Tier 2 beaches in 2026. As a result, all 2025 tier assignments are anticipated to remain unchanged for 2026, as shown in Table 1. Elmer's Island–East (ELMR2), which continues to have very-low use, will not be monitored in 2026 and is designated as a Tier 4 beach. In summary, the Program expects to monitor all Tier 1 beaches (5.8 miles) and all Tier 2 beaches (14 miles) in 2026, and to monitor none of the approximately 1.9 miles of Tier 4 beaches.

In addition to annually re-evaluating risk levels and associated tier designations for beach segments monitored during the previous year, the program determines if any additional beaches warrant monitoring. No additional beaches were identified for inclusion under the Program in 2026.

Program Modifications

No modifications were made to the Program's procedures, methods, or decision rule during 2025. The Program followed the procedures, methods and decision rule summarized in *Louisiana's BEACH Program Quality Assurance Project Plan,* which is publicly available: https://ldh.la.gov/assets/oph/Center-EH/sanitarian/beach/QAPP/2025-QAPP-AllSigned.pdf.

CHAPTER 3. Louisiana BEACH Program's 2025 Results

Number of Samples Collected

Between 7 April 2025 and 31 October 2025, a total of 744 samples were collected at 23 sample stations (see Table 5), distributed among three sample types: field duplicates and splits, and routine samples. Each type of sampling is described below.

Table 5. Total number of samples collected by sample station and sample type during 2025 by Louisiana's BEACH Program.

	Sample Type				
Sample Station	**Field Duplicate**	**Field Split**	**Resample**	**Routine**	**Station Total**
CNST1	3	0	0	30	33
CYPT1	1	0	0	30	31
DUNG1	0	2	0	30	32
ELMR1	4	1	0	30	35
FNTB1	1	1	0	30	32
GBRZ1	1	2	0	30	33
GIB1	0	3	0	30	33
GIB2	1	0	0	29	30
GIB3	1	1	0	30	32
GISP1	2	0	0	30	32
GISP2	1	2	0	29	32
GISP3	0	3	0	29	32
GISP4	0	1	0	30	31
HOLLY1	3	2	0	30	35
HOLLY2	2	0	0	29	31
HOLLY3	1	6	0	30	37
HOLLY4	0	1	0	30	31
HOLLY5	4	1	0	30	35
HOLLY6	1	1	0	30	32
LCNB1	0	2	0	29	31
LTFL1	3	0	0	30	33
MART1	0	0	0	30	30
RUTH1	1	0	0	30	31
Sample Type Total	30	29	0	685	744

Routine samples are the regularly scheduled weekly samples collected during the designated monitoring period at beaches that are officially part of the Program. During the 2025 monitoring period, 690 routine samples were scheduled to be collected across the 23 monitored sample locations. Of the 690 scheduled routine samples, 685 (99%) were collected and processed. The

missed routine samples were collected as scheduled but were not successfully processed due to a lab accident (1 sample), contractor error (1 sample), and lab rejection because of expired collection vessels (3 samples).

Resamples are collected at the BEACH Program Manager's discretion when a routine sample has an unexpectedly high indicator organism density or when the source of an exceedance is known and has been corrected and extra samples are needed to calculate a post-event geometric mean. Zero resamples were collected during 2025.

Field duplicates and field splits are two types of quality control (QC) samples. Field duplicates were used to estimate the precision of sampling methods by comparing laboratory results for two samples taken consecutively on the same day at the same sampling site (i.e., one grab is considered the routine sample or resample and the other the QC sample). Field splits were used to estimate the precision of laboratory analyses (intra-laboratory) plus any variability induced during sample handling and transport by analyzing two aliquots of the same water sample (i.e., one-half of the split sample is considered the routine sample or resample and the other half the QC sample), which were subdivided in the field. Louisiana's BEACH Program QAPP requires that approximately 10% of scheduled routine sample events be chosen as quality control samples, which are selected at random at the beginning of the sampling period in approximately equal proportions (≈ 5% each) of field duplicate and field split samples. QC samples may also be collected during resample events to improve the precision of estimated indicator organism densities by averaging resample and QC sample results. A total of 60 QC samples were scheduled to be collected concurrent with the 690 routine samples that were collected and were to consist of 30 field duplicates and 30 field split samples. A total of 30 field duplicates and 29 field split samples were collected during 2025. Twenty-nine (29) field duplicates were sampled as scheduled (97%), and 29 field split samples were collected as scheduled (97%), resulting in 97% of QC samples collected as scheduled. One field duplicate and one field split QC sample were missed when scheduled. One field duplicate was collected when a field split was scheduled, so 59 of the 60 (98%) expected QC samples were collected.

Of the 744 samples collected and successfully processed, all were collected during the designated monitoring period, and those collected at Tier 1 and 2 beaches were used to make weekly water quality decisions. For analysis purposes, samples collected on the same date at the same location were not considered independent, and were averaged together (i.e., arithmetic mean) resulting in a total of 685 independent samples collected during the 2025 designated monitoring season (see Table 6).

Summary Statistics for 2025 Designated Monitoring Period Samples

Results of enterococci density (MPN/100ml) and salinity (parts-per-thousand; ppt) for each sample location during the 2025 designated monitoring period are summarized in Table 7 and depicted graphically in Figures 1 and 2. Because indicator organism densities are lognormal distributed, Table 7 presents $\log_e$ mean and $\log_e$ standard deviations; exponentiation of the $\log_e$ mean produces the geometric mean on the nominal scale. Note that the $\log_e$ enterococci median shown in the graph and $\log_e$ mean in Table 7 are approximately equal as would be expected for lognormal-distributed populations.

Table 6. Number of independent samples collected by sample station during the 2025 monitoring season (1 April – 31 October). Samples collected at the same station on the same day are counted as a single sample.

Sample Station	Number of Samples
CNST1	30
CYPT1	30
DUNG1	30
ELMR1	30
FNTB1	30
GBRZ1	30
GIB1	30
GIB2	29
GIB3	30
GISP1	30
GISP2	29
GISP3	29
GISP4	30
HOLLY1	30
HOLLY2	29
HOLLY3	30
HOLLY4	30
HOLLY5	30
HOLLY6	30
LCNB1	29
LTFL1	30
MART1	30
RUTH1	30
Totals	**685**

Table 7. Summary statistics for enterococci density (MPN/100ml), and salinity for samples collected during the 2025 designated monitoring season by sample station.

	Enterococci			Salinity (ppt)		
State ID	**Geo-Mean**	**Log_e Mean**	**Log_e St. Dev.**	**Mean**	**St. Dev**	**n**
CNST1	32.9	3.49	1.08	21.2	5.4	30
CYPT1	62.3	4.13	1.13	3.9	4.6	30
DUNG1	46.1	3.83	1.36	21.5	5.2	30
ELMR1	11.7	2.46	0.98	19.7	4.9	30
FNTB1	36.5	3.60	1.56	1.5	0.6	30
GBRZ1	25.9	3.26	1.31	20.4	6.3	30
GIB1	12.3	2.51	1.05	19.5	5.3	30
GIB2	14.5	2.68	1.33	19.1	5.2	29
GIB3	16.9	2.83	1.43	19.1	5.3	30
GISP1	20.6	3.02	1.34	18.9	5.0	30
GISP2	27.4	3.31	1.44	18.6	4.9	29
GISP3	20.9	3.04	1.19	18.4	4.8	29
GISP4	23.4	3.15	1.17	18.6	4.9	30
HOLLY1	34.1	3.53	1.17	20.9	5.7	30
HOLLY2	24.3	3.19	1.28	20.8	5.7	29
HOLLY3	40.4	3.70	1.31	20.8	5.7	30
HOLLY4	37.9	3.63	1.27	20.7	5.6	30
HOLLY5	36.6	3.60	1.36	20.8	5.6	30
HOLLY6	29.1	3.37	1.38	20.9	5.7	30
LCNB1	45.5	3.82	1.21	5.7	5.3	29
LTFL1	35.7	3.58	1.33	20.6	6.3	30
MART1	24.6	3.20	0.94	21.6	5.2	30
RUTH1	68.9	4.23	1.53	19.6	6.5	30

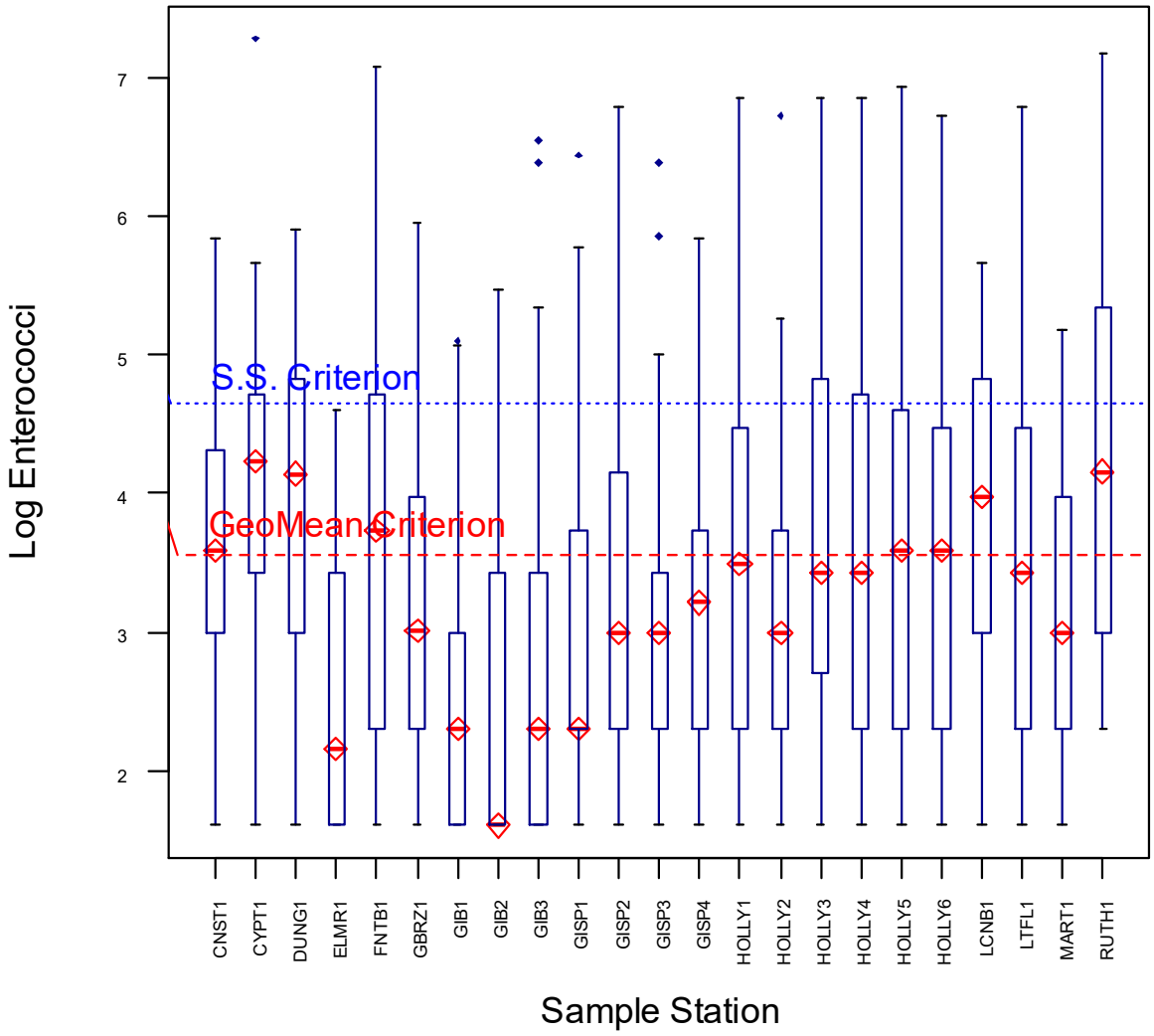

Figure 1. The distribution of $\log_e$ transformed enterococci densities (MPN/100ml) by sample station compared to the geometric mean (GeoMean) and single sample (S.S.) maximum criteria for samples collected during the 2025 designated monitoring season. The box represents the inner quartile range (25^{th} to 75^{th} percentiles), and upper and lower whiskers extending from the box represent the smallest and largest observations within one step (1.5 times inner quartile range). The median is marked by a red line through a red diamond, and dark blue diamonds represent extreme values.

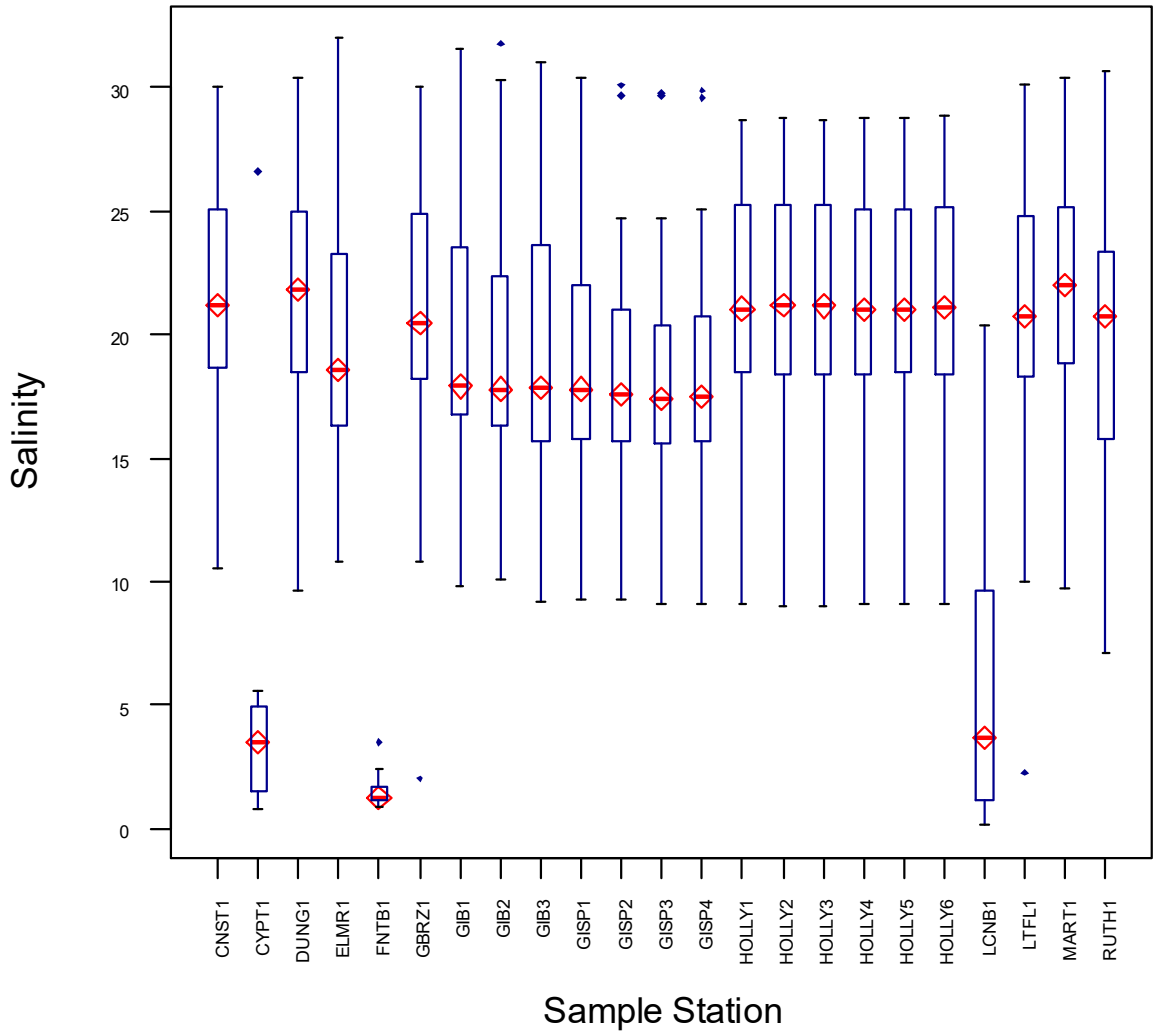

Figure 2. The distribution of salinity (ppt) by sample station for samples collected during the 2025 designated monitoring season.

Time-Series of 2025 Designated Monitoring Period Samples

In addition to calculating summary statistics for each sample station over the 2025 designated monitoring period, results are presented as a time-series (Appendix B, Figures B.1 through B.23; data for each sample event is provided in Appendix C). Because sample results were used during the designated monitoring season to make weekly determinations of whether water quality at each sample station met the Program's beach advisory criteria for Tier 1 and 2 beaches, sample results and the running 30-day geometric mean are shown in the figures. In each week, the last enterococci sample of the week and the running 30-day geometric mean for enterococci must both be less than or equal to their respective criterion for the sample station to be classified as in compliance. If either criterion was exceeded, the sample station was classified as out of compliance, and a swimming advisory was issued. The advisory remained in effect until the most

recent sample results, and the running geometric mean were each less than or equal to their respective criterion.

Weekly Decision Rule Outcomes

During the 2025 swimming season (1 May – 31 October), 23 sample stations were monitored at 9 Tier 1 or Tier 2 continuous beach segments with a total of 77 advisories and 0 closures issued. Advisories were issued at all monitored Tier 1 or 2 sample stations during 2025, except for Elmer's Island (ELMR1), based on observed exceedances of enterococci geometric mean and single sample maximum criteria (see Tables 8 and 9). Compliance at stations monitored throughout the swimming season varied between 100% of monitored days in compliance (ELMR1), to a low of 11% (CYPT1). Across all monitored sample stations, 53% (2,237 of 4,209) of the 2025 swimming season's available station-days (monitored station-days not under closure) were in compliance and not under an advisory.

As in past years, most 2025 advisories were issued due to exceedances of the enterococci geometric mean criterion (Table 10). The enterococci geometric mean (GeoMean) was exceeded in 259 of 293 (88.4%) observed noncompliance station-weeks, with 173 (59.0%) of those noncompliance weeks resulting from enterococci geometric mean exceedances only, 86 (29.4%) resulting from both enterococci geometric mean and single sample maximum exceedances, and 34 (11.6%) resulted from exceedance of enterococci single sample maximum criterion alone.

As discussed in earlier Louisiana BEACH Grant reports, Louisiana's percentage of station-weeks that were under advisory is not directly comparable with other states that do not use equivalent beach advisory criteria. Limiting comparison of advisory decision outcomes to sampled weeks, if Louisiana had used only the single sample maximum criterion (≤104 cfu/100mL) as some states have, Louisiana would have issued only 41% (120 of 293) of its 2025 advisory weeks. Applying the Beach Action Value (BAV) criterion of 60 cfu/100mL[2] to Louisiana's 2025 monitoring results[3], 77% of the weekly advisory decisions would be unchanged, 20% of station-weeks placed under advisory for exceedance of Louisiana's criteria would be deemed in compliance, and 4% of 2025 station-weeks exceeded the BAV criteria but were in compliance with Louisiana's beach advisory criteria. Additionally, Louisiana's GeoMean criterion identifies periods of likely high risk, which results in advisories being extended during weeks with missed samples.

When exceedances of beach advisory criteria were detected, an advisory was issued. To notify the public that a swimming advisory was in effect, the BEACH Program's monitoring/advisory sign at the sample site was opened and a notice of the advisory was placed on the OPH BEACH website (https://ldh.la.gov/page/beach-monitoring-program).

[2] As recommended in *National Beach Guidance and Required Performance Criteria for Grants*, EPA-820-D-13-001, dated April 18, 2014.
[3] Analysis limited to the swimming season sampled week; Weeks without a sample were excluded from analysis.

Table 8. Advisory history by sample station and week for beach segments designated and monitored as either Tier 1 or Tier 2 beaches during the 2025 swimming season.

Station ID	Advisory Condition as of Midweek of Each Week - 2025 Swimming Season																									
		May				June				July					August				September				October				
	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	3	10	17	24	1	8	15	22	29
CNST1		A	A	A	A	A							A	A	A		A				A			A			
CYPT1		A	A	A	A	A	A	A	A		A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A
DUNG1		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		A			
ELMR1																											
FNTB1		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A							A			
GBRZ1		A	A	A	A	A		A			A		A		A	A	A		A								
GIB1																	A		A								
GIB2					A				A										A					A			
GIB3					A		A	A	A	A									A								
GISP1			A		A		A						A		A	A	A										
GISP2		A	A		A		A		A				A	A	A	A	A	A	A								
GISP3					A								A		A	A	A	A	A								
GISP4					A		A	A	A				A		A	A	A	A	A								
HOLLY1			A	A	A	A	A	A	A			A	A		A	A	A		A	A							
HOLLY2		A	A	A	A	A	A	A					A		A	A	A										
HOLLY3		A	A	A	A	A	A	A		A	A	A	A	A	A	A	A				A						
HOLLY4		A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A								
HOLLY5		A	A	A	A	A	A	A			A	A	A	A	A	A	A							A			
HOLLY6		A	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A								
LCNB1		A			A	A					A	A			A	A		A	A	A	A	A	A	A	A	A	A
LTFL1		A	A	A	A	A	A	A					A		A		A		A	A	A	A	A	A			
MART1		A	A	A	A	A	A											A	A								
RUTH1		A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A

Notes: "**A**" indicates an advisory was in effect at the beach based on observed water quality data.

Table 9. Summary of 2025 advisories and closures.

State ID	Days Under Closure	% of Station-Days Under Closure	Days Under Advisory	% of Accessible Season Under Advisory	Days Under Closure or Advisory	% of Season Under Closure or Advisory	% of Available Season Open & In Compliance
CNST1	0	0%	77	42%	77	42%	58%
CYPT1	0	0%	162	89%	162	89%	11%
DUNG1	0	0%	153	84%	153	84%	16%
ELMR1	0	0%	0	0%	0	0%	100%
FNTB1	0	0%	111	61%	111	61%	39%
GBRZ1	0	0%	84	46%	84	46%	54%
GIB1	0	0%	14	8%	14	8%	92%
GIB2	0	0%	27	15%	27	15%	85%
GIB3	0	0%	41	22%	41	22%	78%
GISP1	0	0%	48	26%	48	26%	74%
GISP2	0	0%	83	45%	83	45%	55%
GISP3	0	0%	49	27%	49	27%	73%
GISP4	0	0%	69	38%	69	38%	62%
HOLLY1	0	0%	98	54%	98	54%	46%
HOLLY2	0	0%	76	42%	76	42%	58%
HOLLY3	0	0%	112	61%	112	61%	39%
HOLLY4	0	0%	119	65%	119	65%	35%
HOLLY5	0	0%	103	56%	103	56%	44%
HOLLY6	0	0%	111	61%	111	61%	39%
LCNB1	0	0%	114	62%	114	62%	38%
LTFL1	0	0%	111	61%	111	61%	39%
MART1	0	0%	56	31%	56	31%	69%
RUTH1	0	0%	154	84%	154	84%	16%
Totals	0	0%	1972	47%	1972	47%	53%

Table 10. Summary of weekly beach advisory decision rule exceedances by cause during 2025.

Cause of Exceedance	Number of Observed Exceedances	% of Observed Exceedances
Only Enterococci geometric mean criterion exceeded	173	59.0%
Only Enterococci single sample max criterion exceeded	34	11.6%
Both Enterococci geometric mean and single sample max criteria exceeded	86	29.4%
Total	**293**	**100.0%**

Relationship between Indicator Organisms and Environmental Conditions

Because routine water quality sampling typically occurs once per week and laboratory results are not available immediately, EPA recommends the use of predictive models to provide rapid indicators of changing water quality based on easily observed environmental conditions, such as recent rainfall. At the outset of Louisiana's BEACH Program, a suite of environmental variables was identified to evaluate whether existing predictive models could be applied or whether new models could be developed to support advisory decisions.

For each water sample collected by the BEACH Program, concurrent environmental data were recorded, including surface water temperature (°F), salinity (ppt), tide and weather conditions, and wind direction and speed. Total precipitation (in.) during the 0–24 hr (precip0), 24–48 hr (preciplag1), 48–72 hr (preciplag2), and 72–96 hr (preciplag3) periods prior to sampling was estimated using rain-basin precipitation values from Louisiana's Molluscan Shellfish database. Rain basins represent the coastal portions of river basins linked to nearby rain gauges; large basins (2, 4, and 12) were subdivided to ensure that associated gauges were within 30 miles of the coastline. Daily precipitation for each rain basin was calculated by averaging rainfall across gauges within that basin, and beaches were assigned to the basin in which they were located. The number of days since the most recent day with measurable precipitation (DaysSinceLastRain) was also estimated. In addition, daily precipitation values were aggregated to produce total rainfall within 0–48 hrs (precip48) and 0–72 hrs (precip72) prior to sampling (these data are available upon request).

Although earlier analyses identified beach-specific environmental variables associated with enterococci density (LDH 2007, 2009, 2011), they did not yield models capable of reliably predicting single-sample exceedances from easily observable environmental conditions. Furthermore, because staff capacity does not allow for daily implementation of predictive-model advisories, LDH is not currently pursuing additional model development. Continued collection of environmental data alongside routine sampling, however, will preserve the ability to revisit predictive modeling in the future should it become operationally feasible.

Figure 3 illustrates the substantial year-to-year variability in enterococci densities within beach segments from Program inception through 2025. Enterococci levels in 2025 fell within historic ranges for all segments and were: 1) lower than in 2024 at Constance Beach Complex, Holly Beach, Lake Charles North Beach, and Rutherford Beach; 2) similar to 2024 levels at Elmers Island, Fontainebleau State Park, and Grand Isle Beach; and 3) higher than in 2024 at Cypremort Point and Grand Isle State Parks. The drivers of these annual fluctuations are complex and interacting, but do not appear to be linked to changes in salinity, precipitation, or water temperature.

During 2025, salinity was lower at all beaches than in 2024 except at Cypremort Point State Park and Lake Charles North Beach where it was higher (Figure 4). Annual salinity changes at sample stations are likely due to annual differences in inland rainfall and associated river discharge rates near monitored beaches. In general, higher salinity is associated with lower enterococci density within beach segments but is not sufficiently predictive of water quality due to interaction between salinity, water temperature, and precipitation.

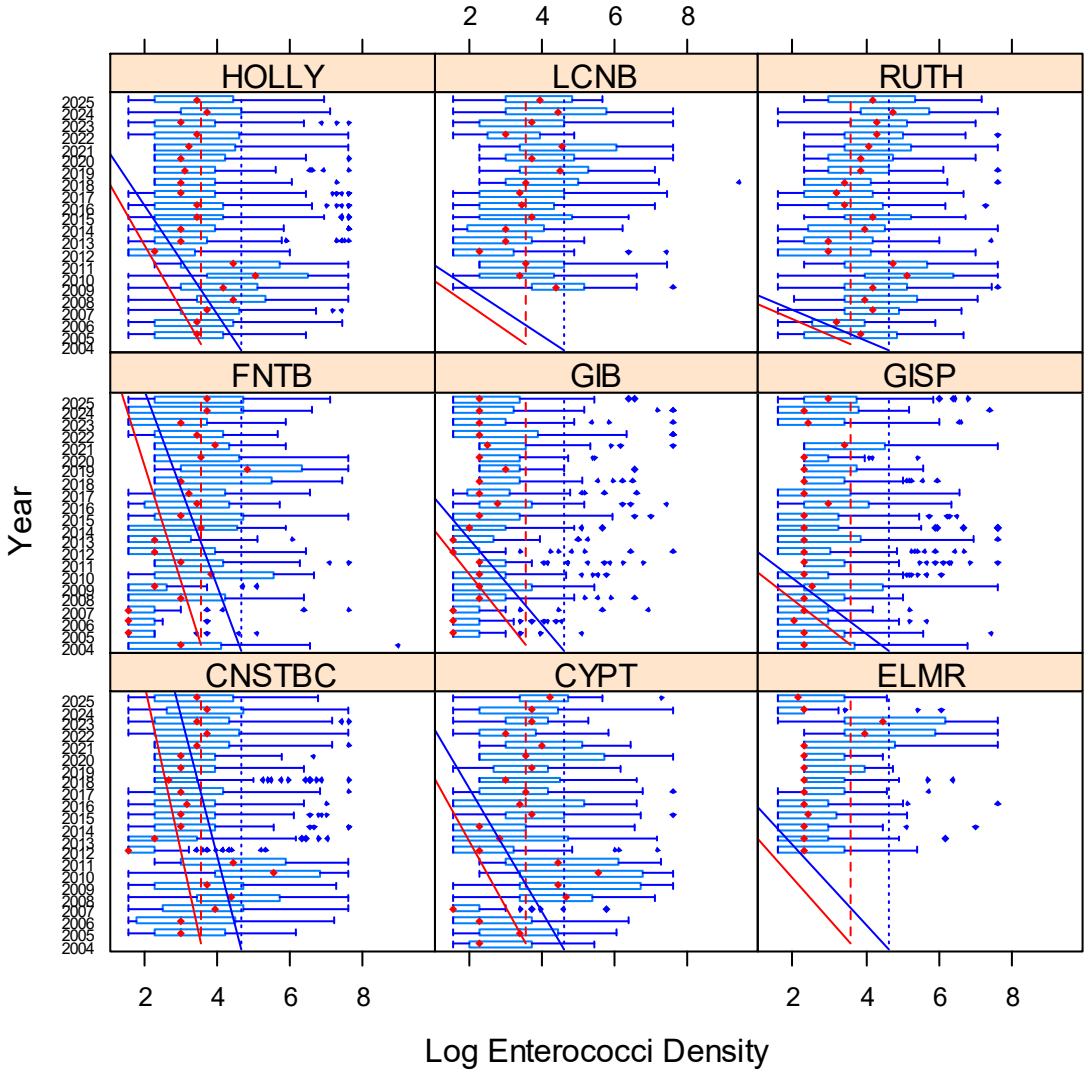

Figure 3. Distribution of $\log_e$ enterococci densities by year within continuous beach segments relative to geometric mean criterion (red dashed lines) and single sample maximum criterion (blue dotted lines).

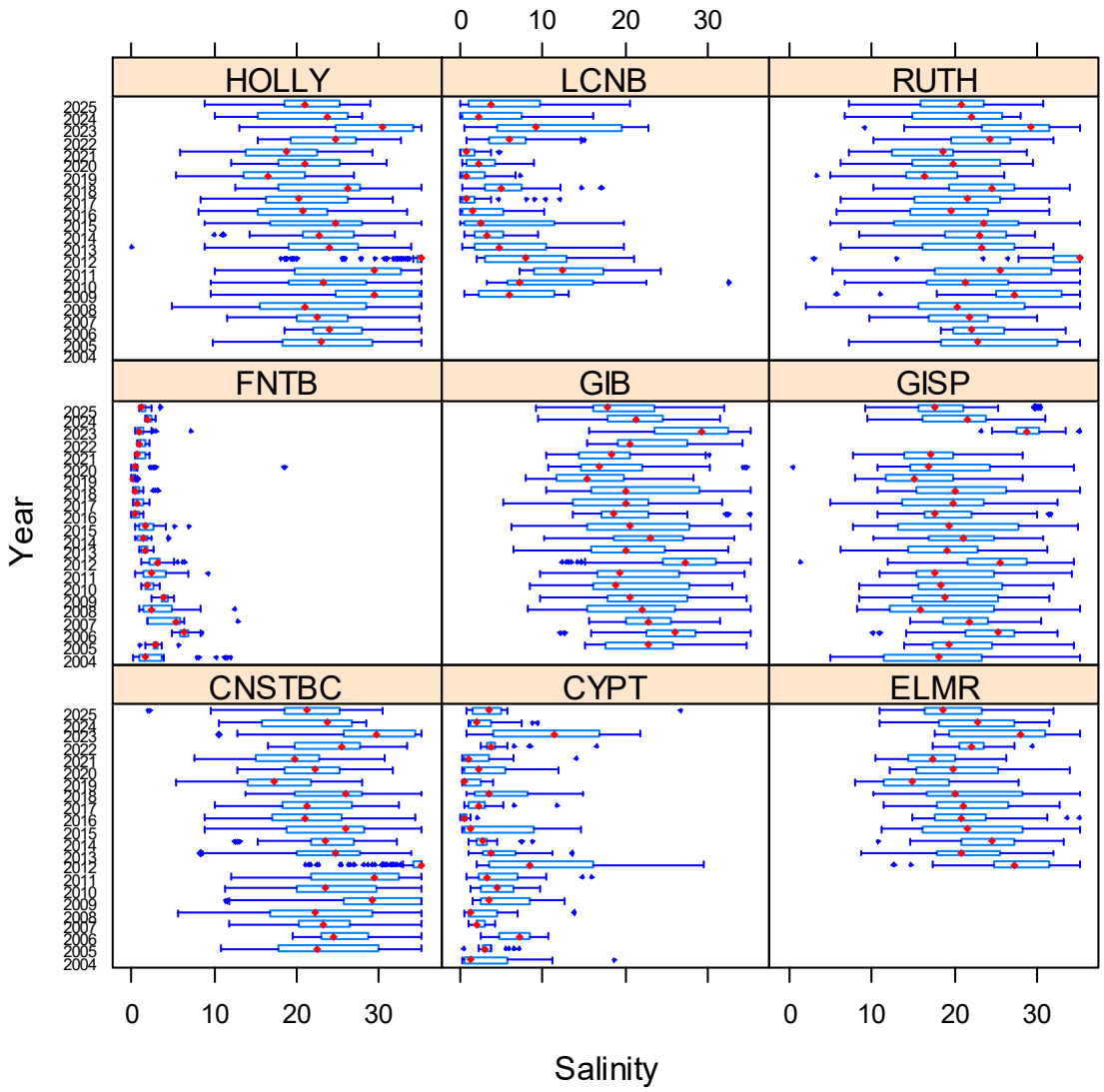

Figure 4. Distribution of salinity (ppt) by year within continuous beach segments.

CHAPTER 4. Evaluation of Program Performance Relative to Data Quality Objectives.

Louisiana's BEACH Program Quality Assurance Project Plan (LDH 2025) states that at the end of each year, the Program Manager shall audit the Program to determine if the Program's data quality objectives are being met. As described in the QAPP (see Table A7.1 of the QAPP), the Program's data quality objectives for those parameters measured in accordance with the QAPP are expressed in terms of precision and completeness goals. Those data quality objectives are repeated below in Table 11, together with their 2025 results.

Table 11. Data quality objectives and 2025 results.

Parameter	Concen-tration Units	QAPP Precision Goals (RPD)	2025 Precision Mean RPD (± 1 SE, n)	QAPP Completeness Goals	2025 Completeness
Enterococci	MPN/ 100ml	Sample ≤ 60%; lab ≤ 45%	Sample 53.7% (±8.9, 30); lab 69.4% (±9.2, 29)	98%	100%
Salinity	ppt	Sample ≤ 10%, lab ≤ 5%	Sample 4.6% (±4.3, 30); lab 0.5% (±0.1, 29)	98%	100%
Surface Water Temperature	°F	± 2°	± 2° by SOP	98%	100%
Tide Conditions	NA	NA	NA	98%	100%
Weather	NA	NA	NA	98%	100%
Wind Direction	NA	NA	NA	98%	100%
Wind Speed	NA	NA	NA	98%	100%
Precipitation	Inches/ previous 24 hours	NA	NA	98%	100%
River Stage	Feet on flood gauge	NA	NA	98%	100%

To evaluate compliance with the established data quality objectives (DQOs) for sample and laboratory precision on estimated indicator organism densities and salinity, the results from QC samples, which are always collected in conjunction with a routine sample or resample, were compared to the corresponding sample result. Prior to the start of the monitoring period, approximately 10% of scheduled routine samples were designated as quality control samples. QC samples were selected at random at the beginning of the sampling period in approximately equal proportions (~ 5% each) of field duplicate and field split samples. Field splits were designed to estimate the variability of the analysis process, or "lab" precision, plus any minor imprecision resulting from sample handling and transport. Field duplicates were designed to incorporate lab variability plus sampling variability to estimate the variability of collecting another sample at approximately the same place and time. Any unscheduled QC samples that were collected during routine sample events were also included in the QC evaluation.

Sampling and laboratory precision were estimated from each quality control sample by calculating the relative percent difference (*Sample RPD*) as follows:

$$Sample\ RPD = \frac{|C_1 - C_2|}{(C_1 + C_2)/2}\ x\ 100$$

where C_1 is the routine sample (or resample) result and C_2 is the quality control sample result. To estimate precision across samples, the mean and standard error of Sample RPDs were calculated. Note that the precision goals are expressed as means, and compliance with precision goals is assessed by determining if the observed precision is statistically different from the goal.

As described in Chapter 3, a total of 59 quality control samples were collected during 2025, consisting of 30 field duplicates and 29 field-split samples. To evaluate compliance with QAPP precision goals, means and standard errors of sample RPDs were calculated for the 2025 QC samples and are presented in Table 11. Figures 5 and 6 show Sample RPD results compared to precision goals; if the lower error bar (lower 95th percentile) shown in the graph is below the goal, then the goal has been achieved.

Sample (field duplicate) precision goals for enterococci, and sample and lab (field split) precision goals for salinity were achieved for 2025; however, the lab enterococci precision goal was not achieved. The enterococci lab precision goal is ≤ 45% but the estimated 2025 lab precision RPD was 69.4% (±9.2). Sample precision measured with field duplicates incorporates lab variability plus the variability of collecting another sample at approximately the same place and time; thus, it should always be higher than lab variability, as demonstrated by 2025 salinity precision. The 2025 sample precision RPD was less than lab precision RPD for enterococci suggesting that some samples recorded as field splits may have been collected as field duplicates in error and/or greater care needs to be used when preparing field split samples. This variance from the QAPP is not expected to have adversely impacted beach advisory decisions as routine and QC sample results are averaged for advisory decisions and all other calculations. At the start of 2026 sampling, the Beach Program Manager will meet with field staff to ensure that they are properly collecting, handling, and recording QC samples.

Completeness is the percentage of measurements made that are judged to be valid according to specific criteria and entered in the data management system. Percent completeness *(%*C) for measurement parameters was estimated as follows:

$$\%C = \frac{V}{T}\ x\,100$$

where *V* is the number of measurements judged valid, and T is the total number of measurements. During 2025, a total of 744 samples were successfully processed, and all results were considered valid and recorded in the Program's database.

Based on a thorough review of the data recorded for the 2025 season, all completeness goals were achieved and there were no variances from the QAPP detected other than exceedance of the enterococci lab precision goal. In addition to the audit and data review described above, the

BEACH Program Manager/Quality Assurance Officer verified to the best of their ability throughout the 2025 sampling period that:

- All elements of the QAPP were being correctly implemented as prescribed;
- The quality of the data generated by implementation of the QAPP was adequate; and
- Corrective actions, when needed, were implemented promptly and their effectiveness was confirmed.

All beach monitoring and notification data collected during 2025 have been uploaded to USEPA's BEACH (PRAWN) and Water Quality Data systems via submission of an XML formatted file to the Exchange Network Services Center. Notification (advisory) and monitoring data are available for public review and download through EPA's BEACON website (https://watersgeo.epa.gov/beacon2/about.html).

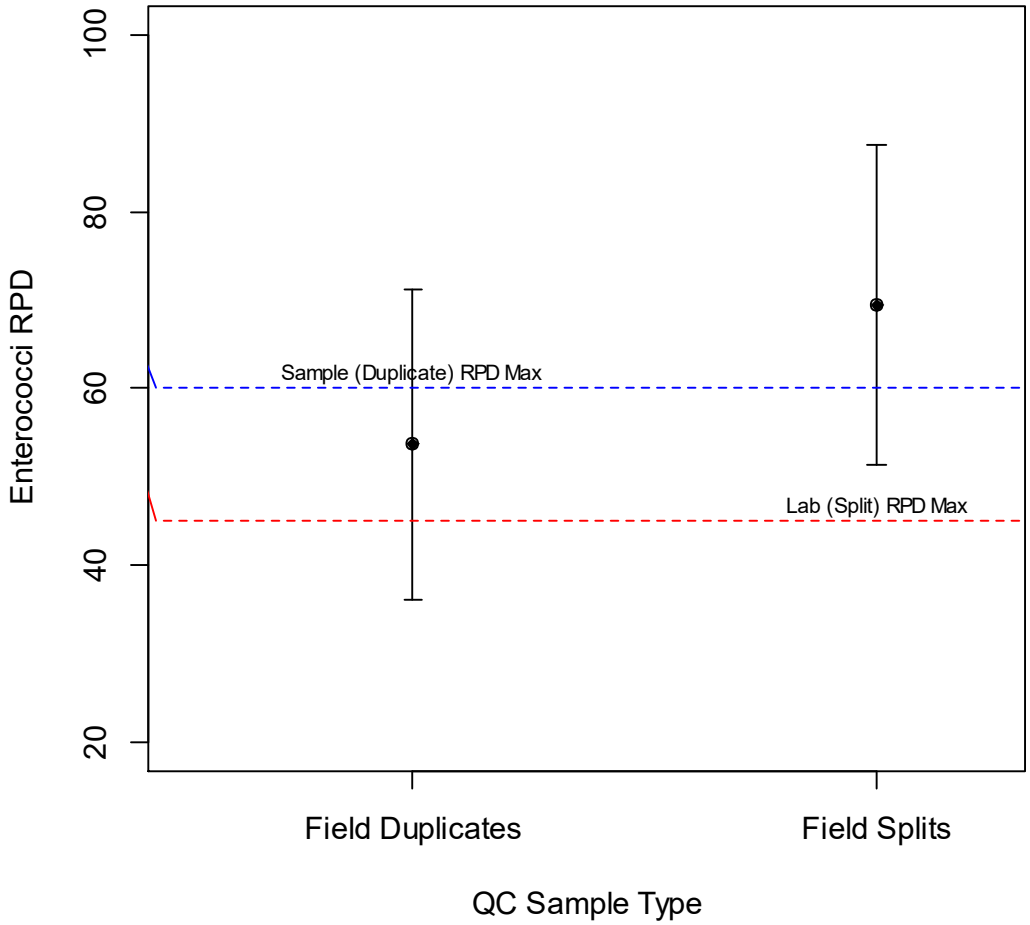

Figure 5. Comparison of 2025 monitoring season mean enterococci relative percent difference (RPD) for field duplicates and field splits with QAPP precision goals. Means are represented by diamonds and upper and lower 95th percentiles of the mean are shown as error bars.

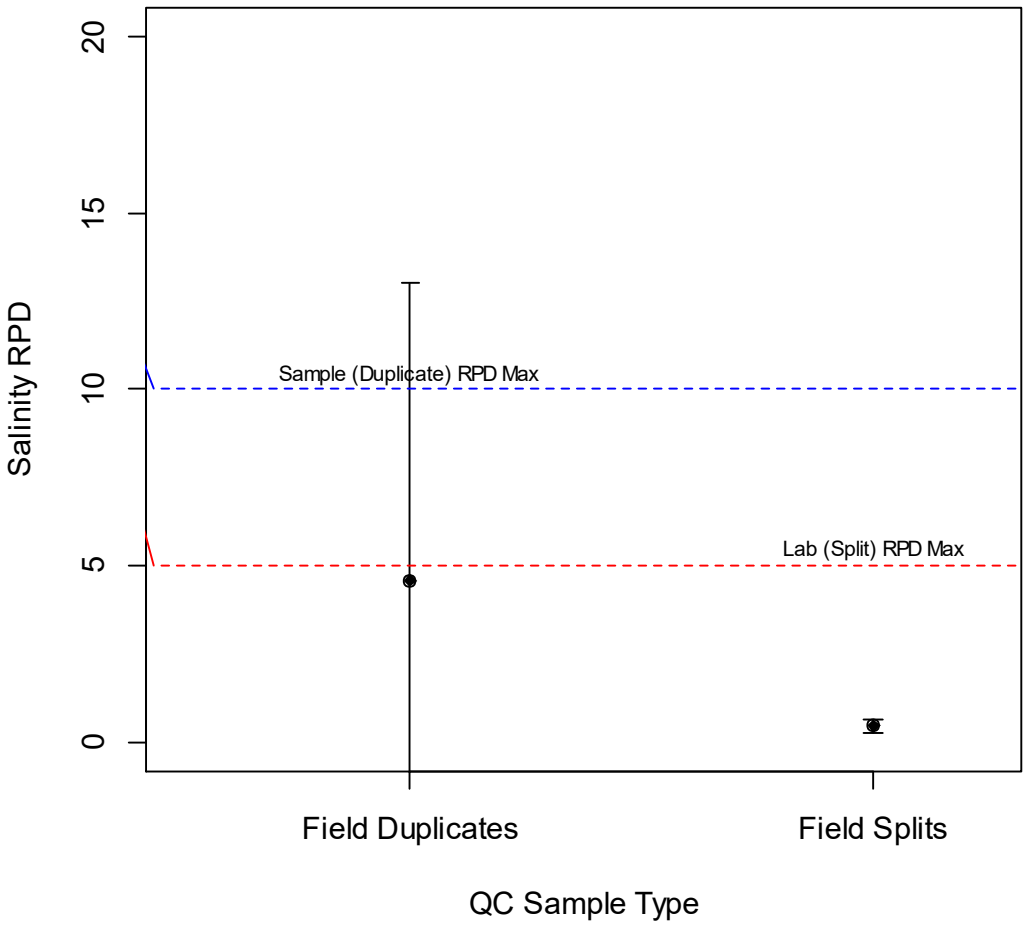

Figure 6. Comparison of 2025 monitoring season mean salinity relative percent difference (RPD) for field duplicates and field splits with QAPP precision goals. Means are represented by diamonds and upper and lower 95th percentiles of the mean are shown as error bars.

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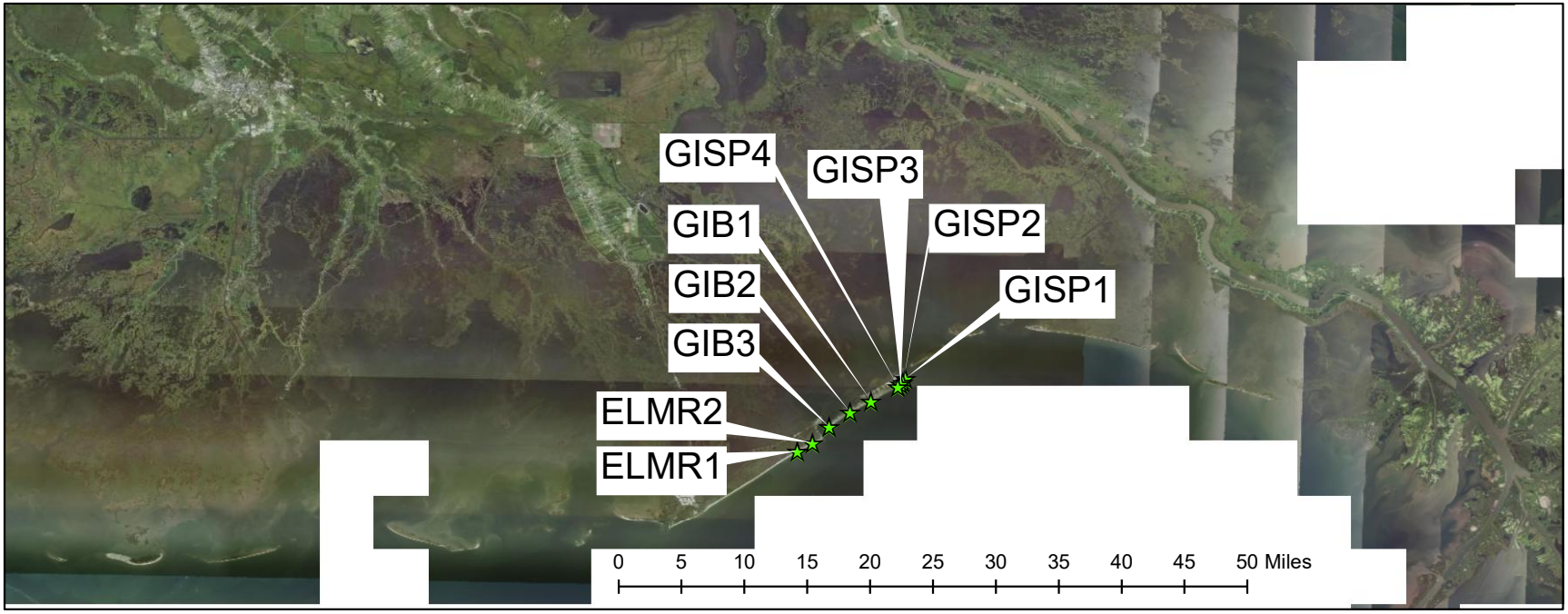
APPENDIX A

Sample Station Names, Locations, USEPA IDs and Location Maps

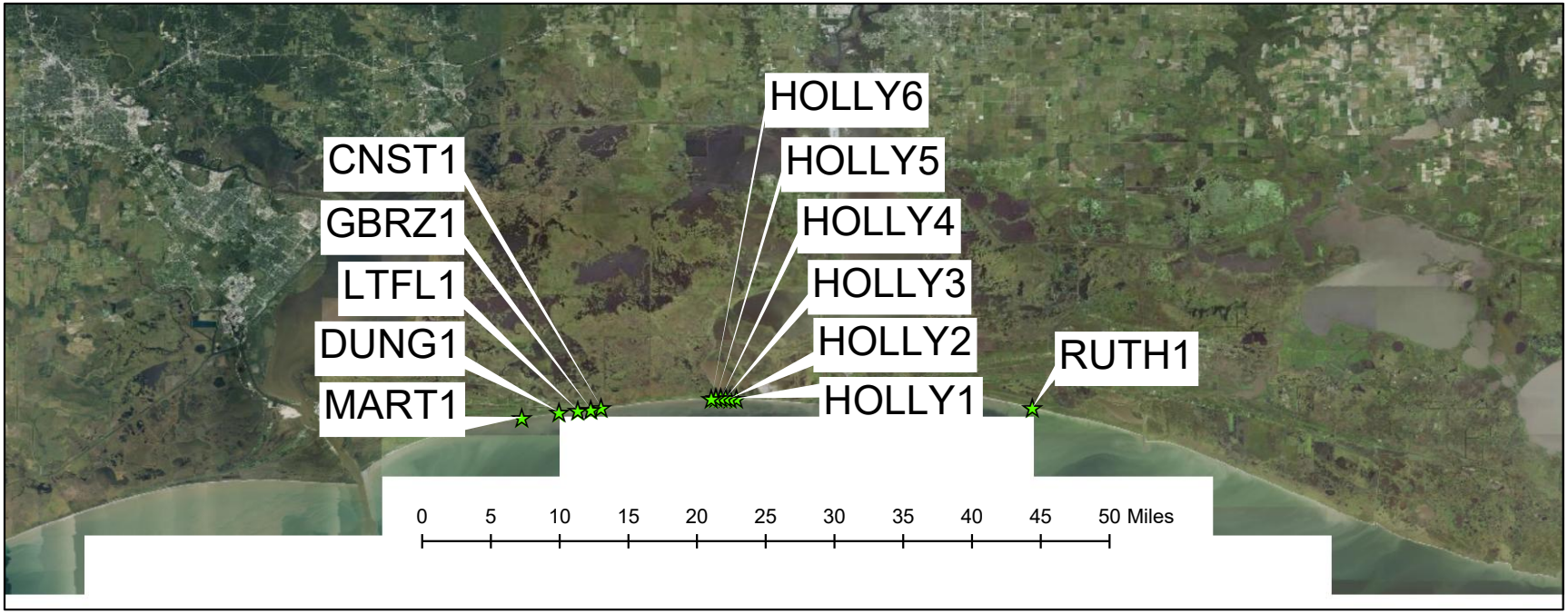
List of sample stations designated under the Louisiana BEACH Program by State ID, Beach Name, and USEPA IDs.

State ID	Beach Name	USEPA ID	Latitude	Longitude	Beach Length (miles)
CNST1	Constance Beach	LA134778	29.75874	-93.58030	1.40
CYPT1	Cypremort Point State Park	LA971783	29.73695	-91.85398	0.45
DUNG1	Long Beach	LA860482	29.75413	-93.62446	1.79
ELMR1	Elmer's Island - 1	LA834833	29.17515	-90.07414	0.31
ELMR2	Elmer's Island - 2	LA451844	29.18465	-90.05670	1.96
FNTB1	Fontainebleau State Park	LA733869	30.33554	-90.04550	0.15
GBRZ1	Gulf Breeze	LA725358	29.75696	-93.59099	0.73
GIB1	Grand Isle Beach - 1	LA430483	29.23291	-89.98940	3.06
GIB2	Grand Isle Beach - 2	LA325065	29.22006	-90.01364	1.81
GIB3	Grand Isle Beach - 3	LA799656	29.20716	-90.03206	1.28
GISP1	Grand Isle State Park - 1	LA240078	29.25956	-89.94976	0.49
GISP2	Grand Isle State Park - 2	LA221569	29.25513	-89.95265	0.26
GISP3	Grand Isle State Park - 3	LA204303	29.25232	-89.95545	0.24
GISP4	Grand Isle State Park - 4	LA186192	29.24972	-89.95828	0.16
HOLLY1	Holly Beach - 1	LA489985	29.76848	-93.43767	1.21
HOLLY2	Holly Beach - 2	LA829030	29.76882	-93.44417	0.36
HOLLY3	Holly Beach - 3	LA109442	29.76913	-93.44932	0.30
HOLLY4	Holly Beach - 4	LA697221	29.76912	-93.45425	0.30
HOLLY5	Holly Beach - 5	LA164373	29.76914	-93.45948	0.30
HOLLY6	Holly Beach - 6	LA467180	29.76907	-93.46424	0.98
LCNB1	North Beach	LA202517	30.23596	-93.23362	0.43
LTFL1	Little Florida	LA595220	29.75594	-93.60497	1.01
MART1	Martin Beach	LA135245	29.74891	-93.66383	1.36
RUTH1	Rutherford Beach	LA284049	29.75897	-93.12616	1.52

Area map of sample stations



Map of Grand Isle area sample stations



Map of Constance Beach Complex, Holly, and Rutherford beaches.

APPENDIX B

Time Series of Water Quality Results By Sample Station

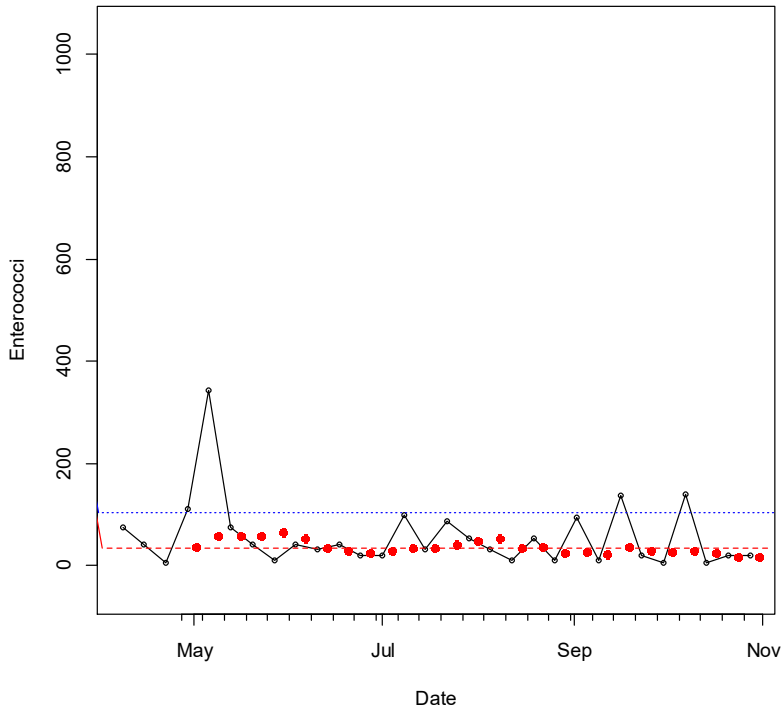


Figure B.1. Time series of enterococci sample results collected during 2025 at CNST1. Sample results are shown as open dots (◦), running 30-day geometric means are shown as red dots (•), and geometric mean and single sample maximum criteria are shown as red and blue dashed horizontal lines, respectively.

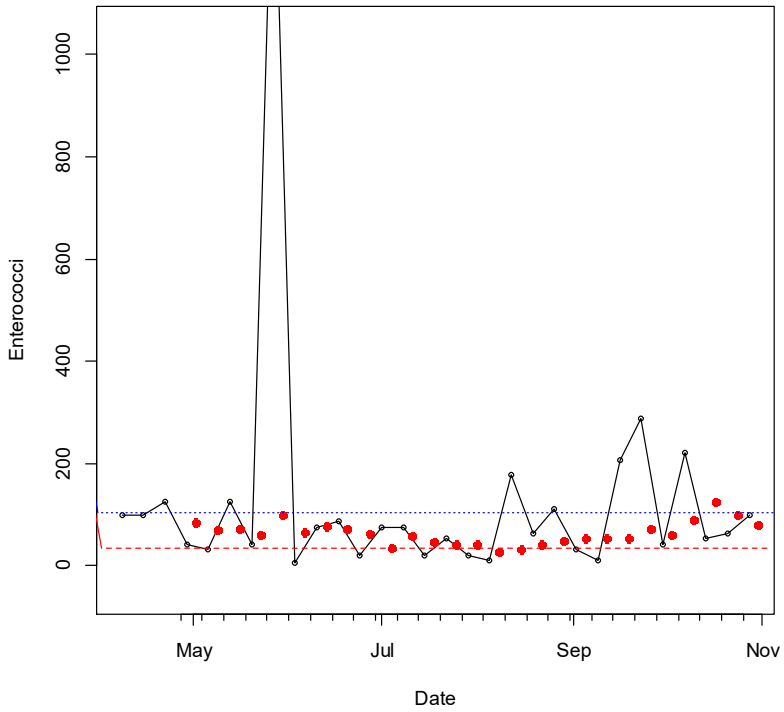


Figure B.2. Time series of sample results collected during 2025 at CYPT1.

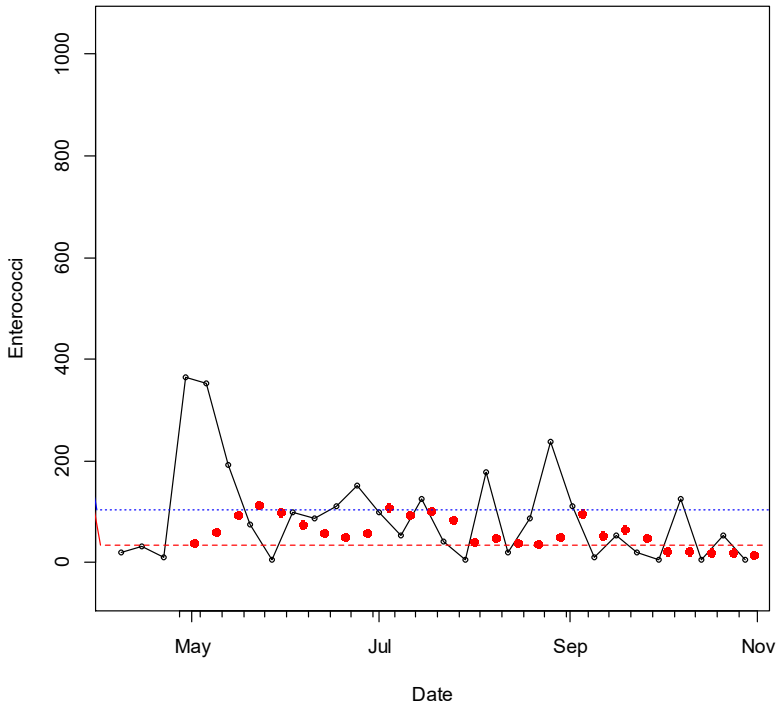


Figure B.3. Time series of sample results collected during 2025 at DUNG1.

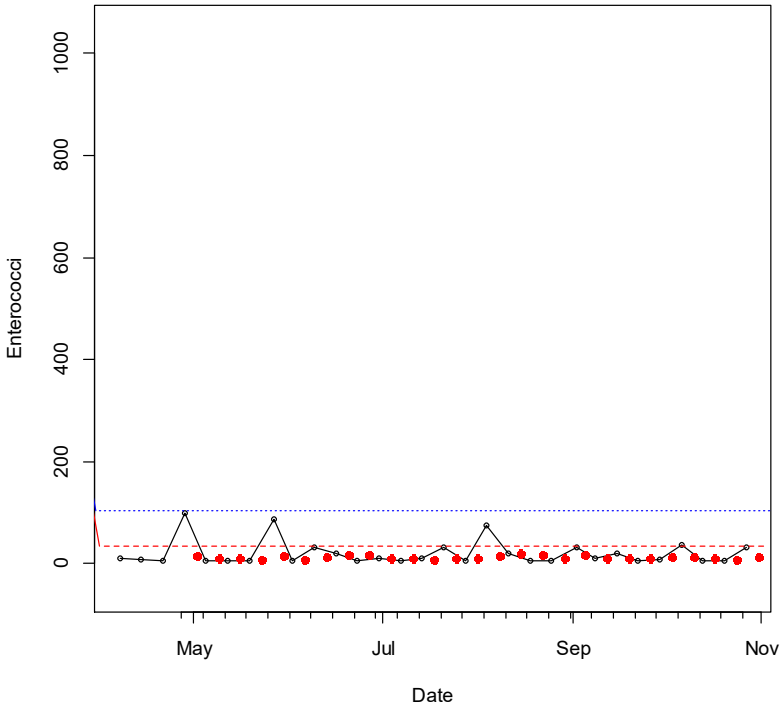


Figure B.4. Time series of sample results collected during 2025 at ELMR1.

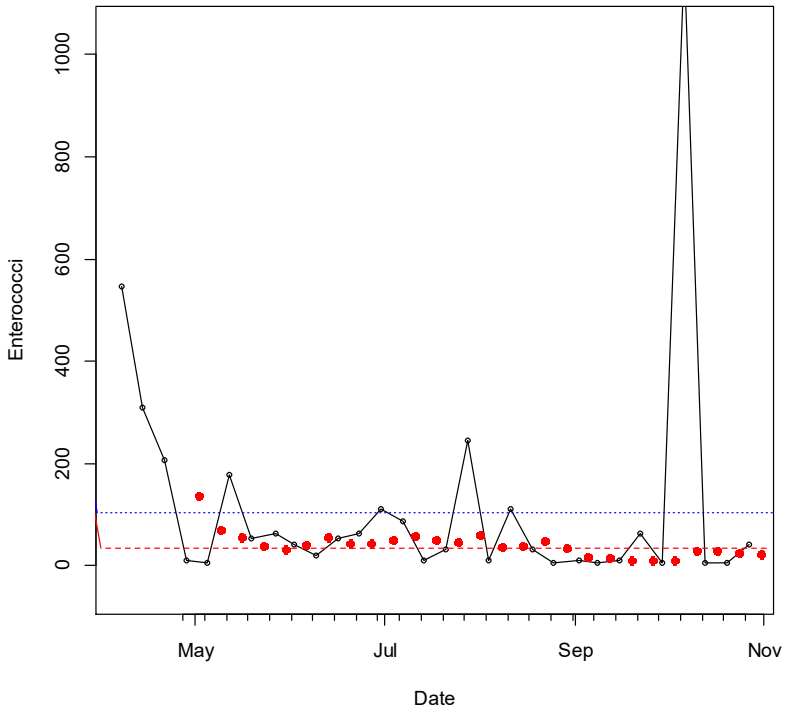


Figure B.5. Time series of sample results collected during 2025 at FNTB1.

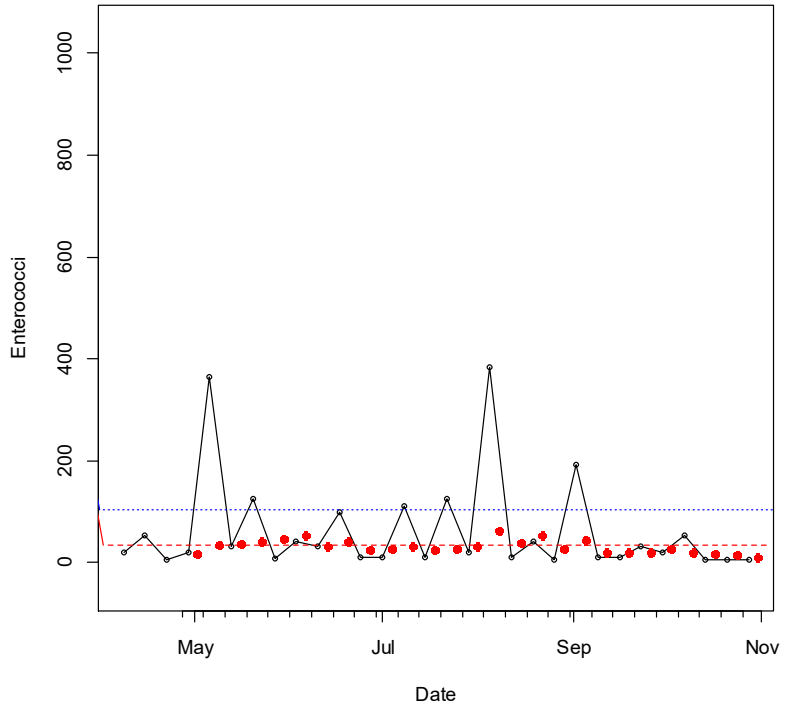


Figure B.6. Time series of sample results collected during 2025 at GBRZ1.

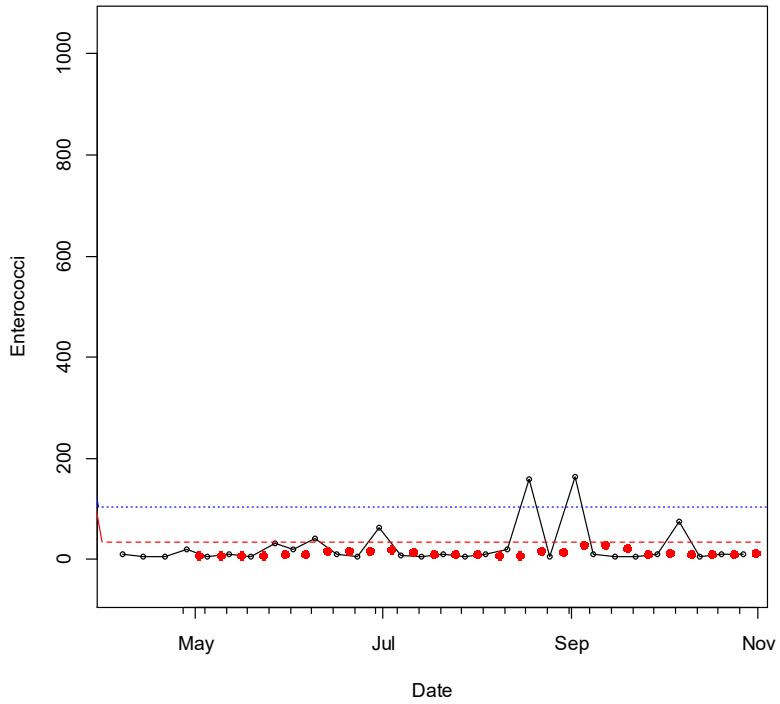


Figure B.7. Time series of sample results collected during 2025 at GIB1.

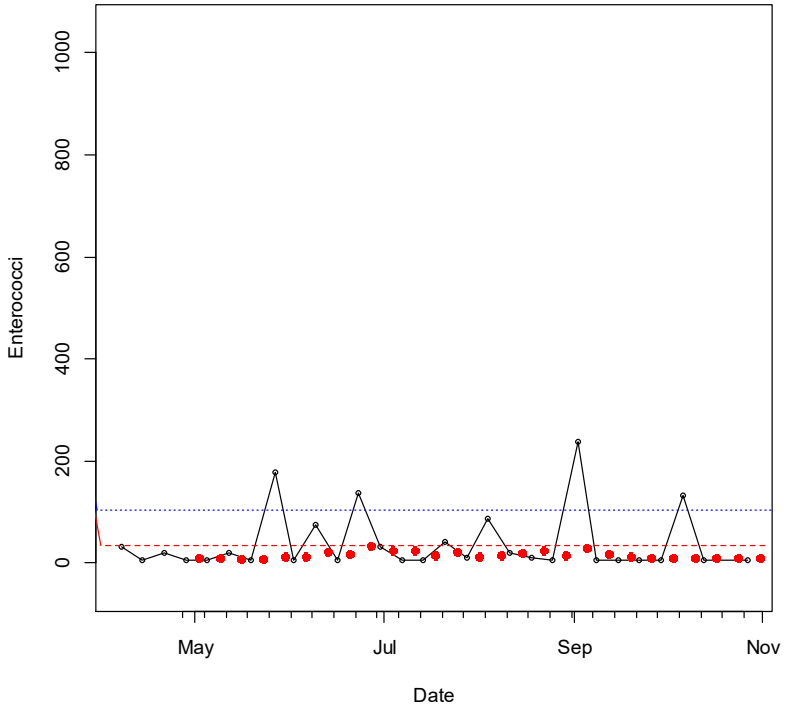


Figure B.8. Time series of sample results collected during 2025 at GIB2.

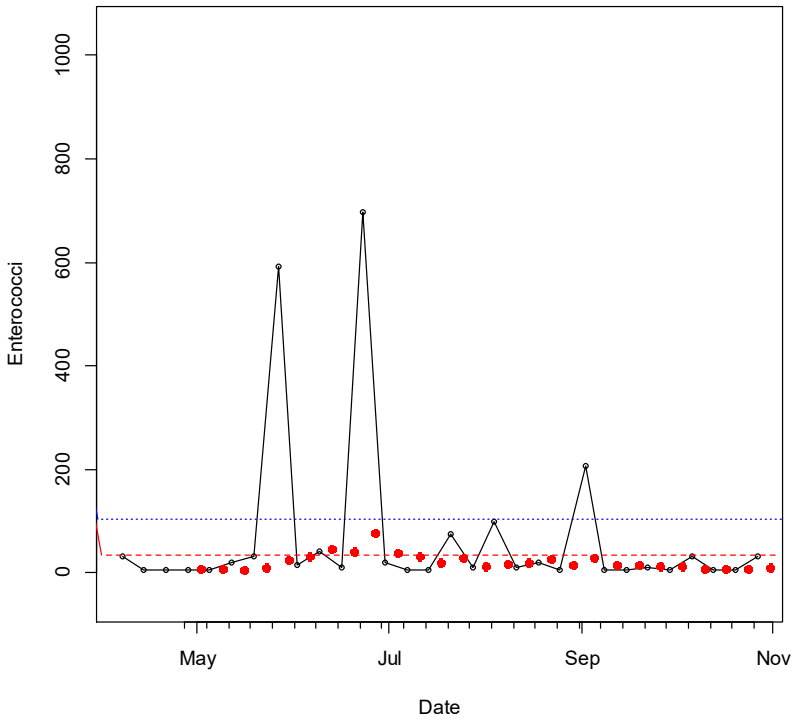


Figure B.9. Time series of sample results collected during 2025 at GIB3.

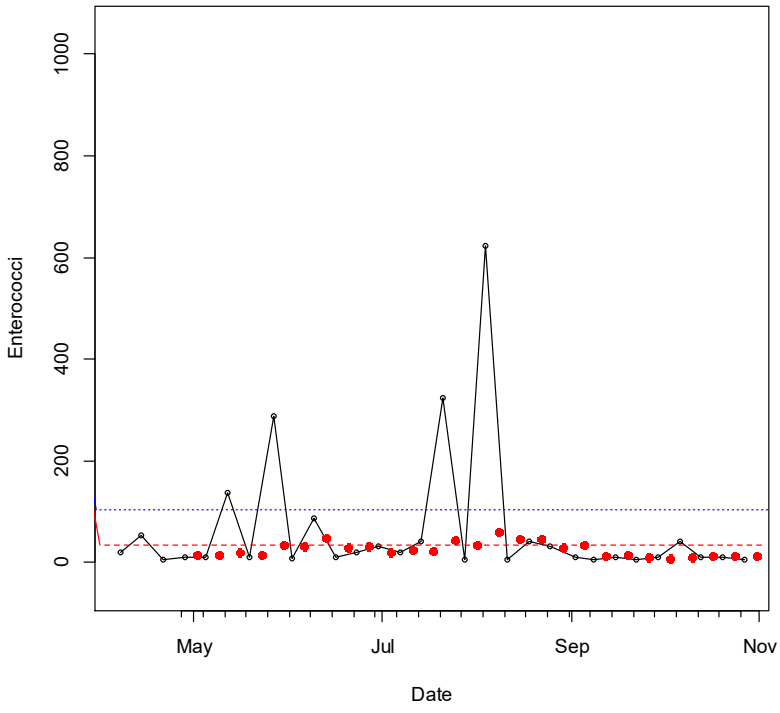


Figure B.10. Time series of sample results collected during 2025 at GISP1.

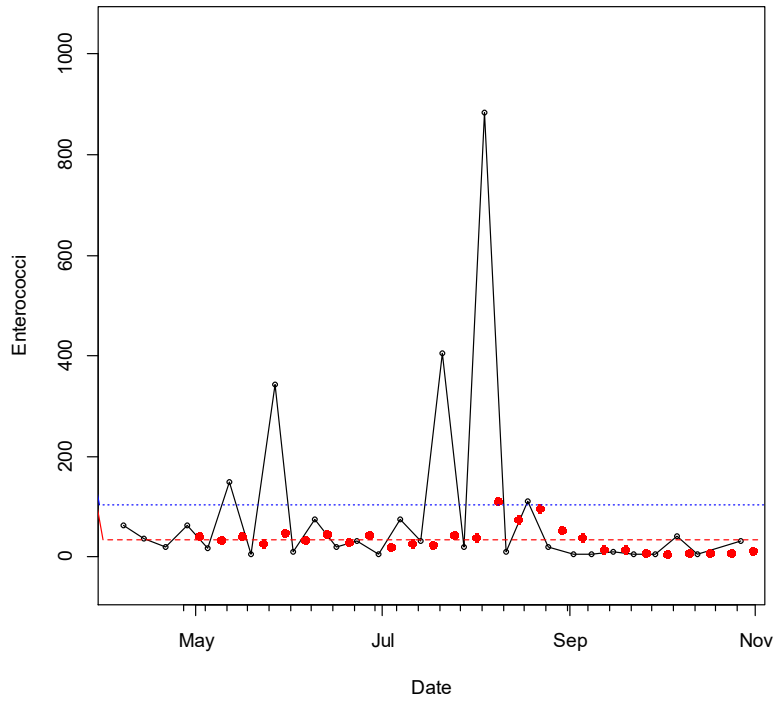


Figure B.11. Time series of sample results collected during 2025 at GISP2.

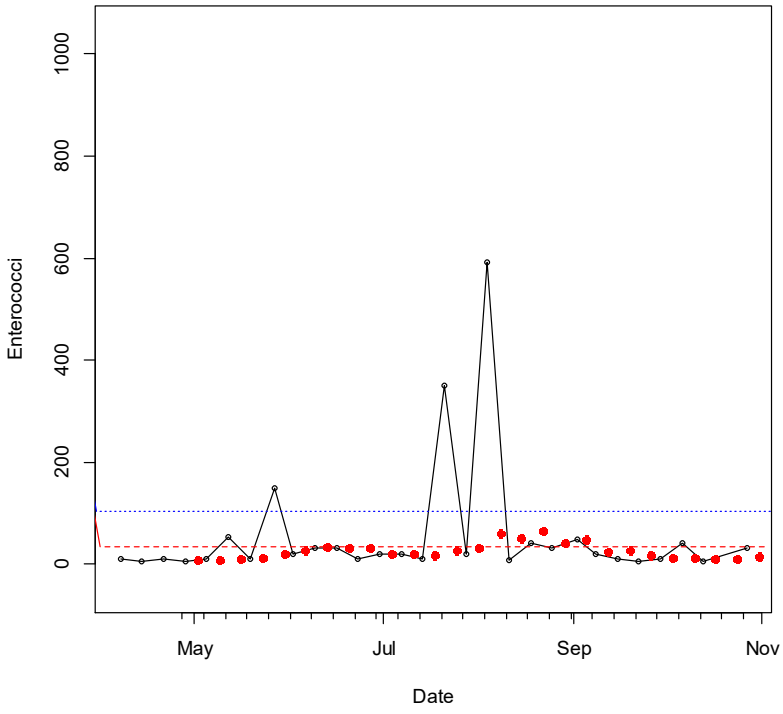


Figure B.12. Time series of sample results collected during 2025 at GISP3.

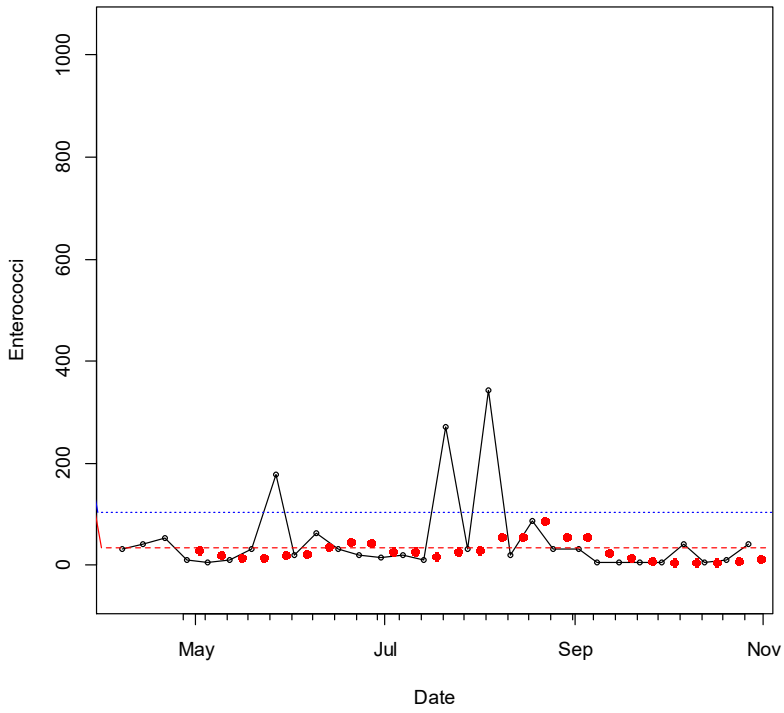


Figure B.13. Time series of sample results collected during 2025 at GISP4.

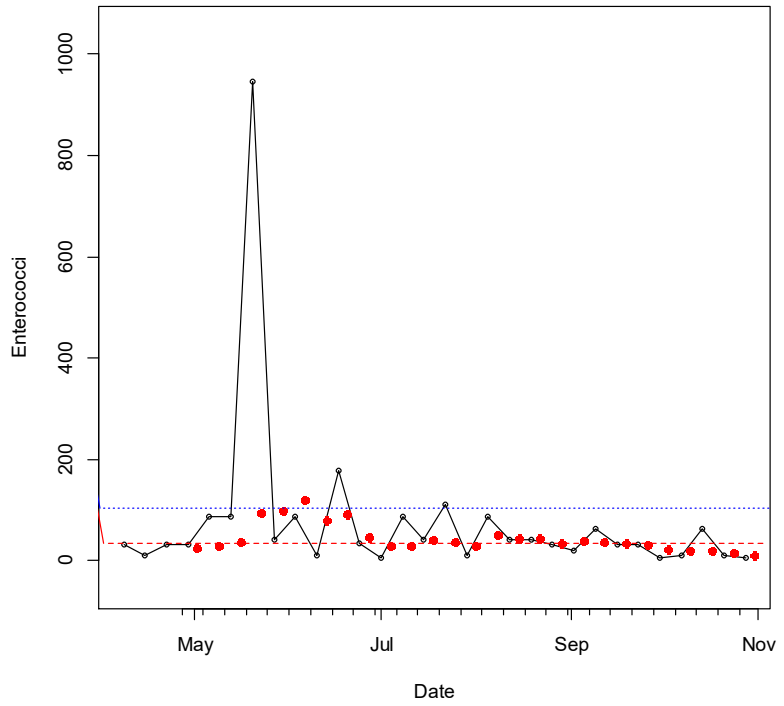


Figure B.14. Time series of sample results collected during 2025 at HOLLY1.

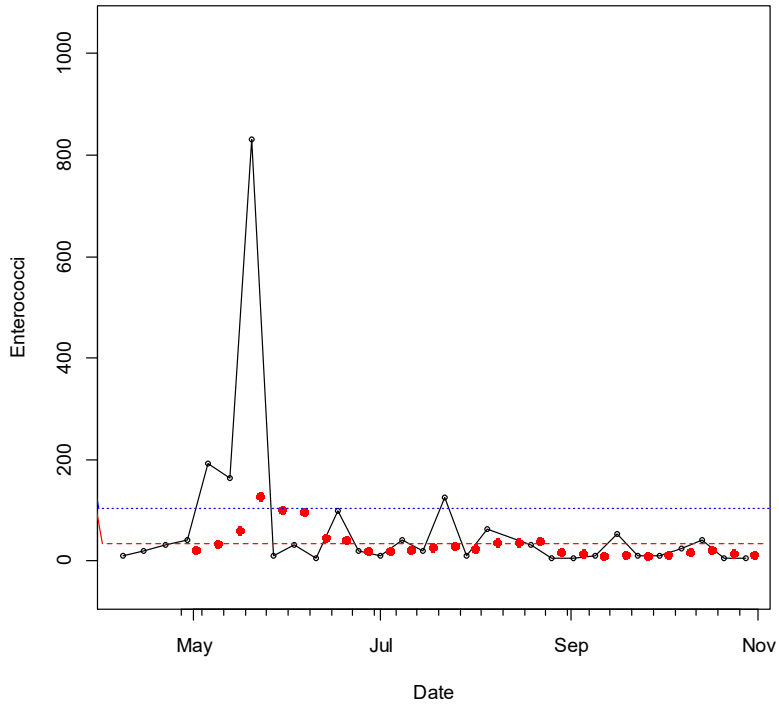


Figure B.15. Time series of sample results collected during 2025 at HOLLY2.

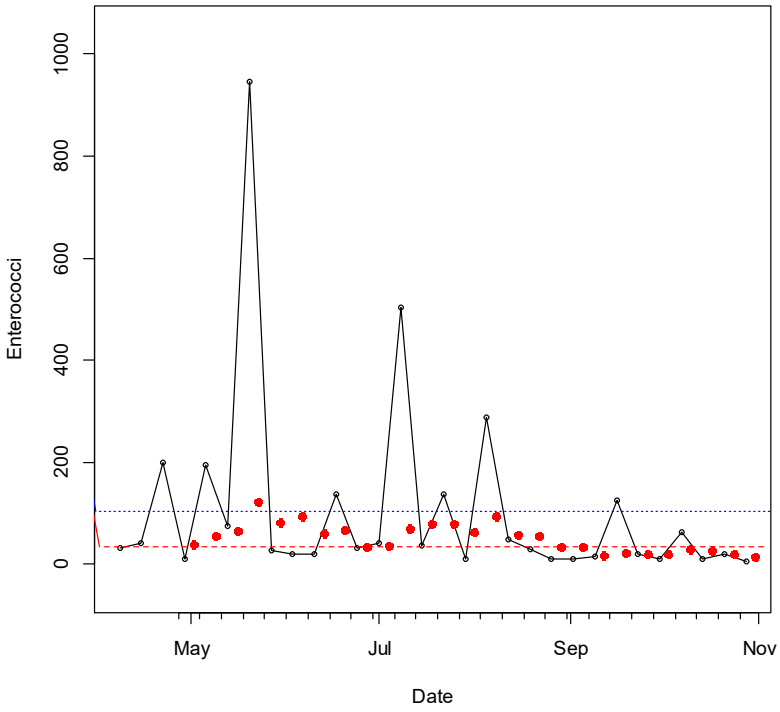


Figure B.16. Time series of sample results collected during 2025 at HOLLY3.

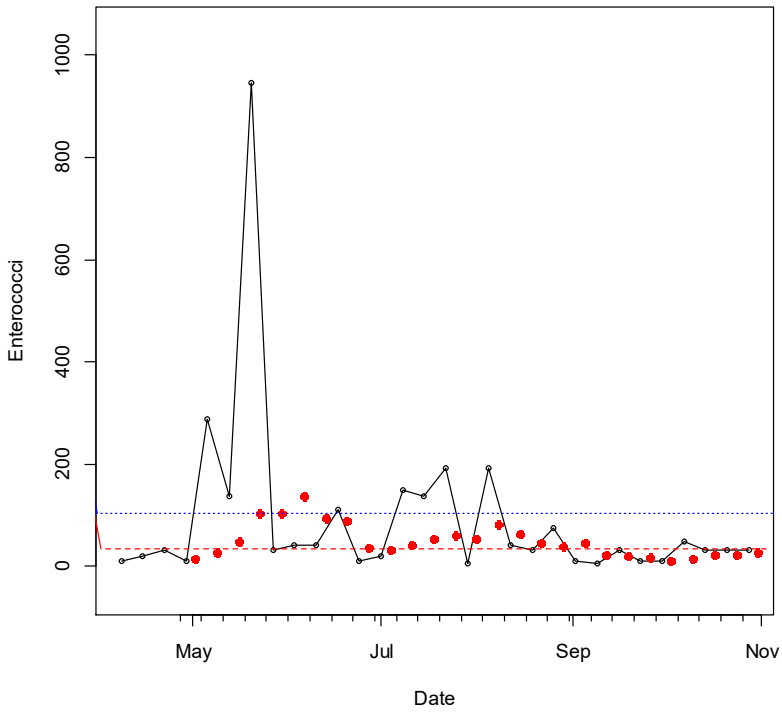


Figure B.17. Time series of sample results collected during 2025 at HOLLY4.

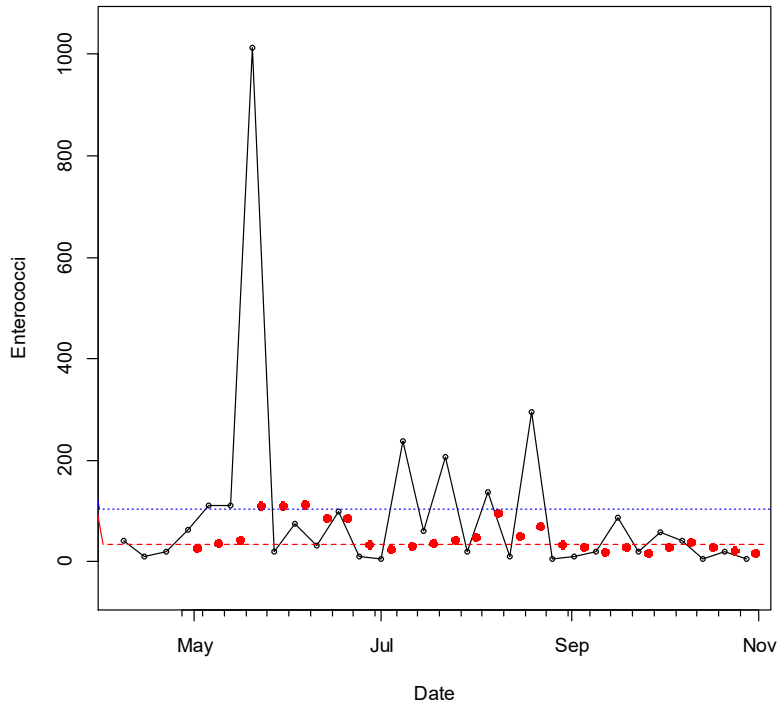


Figure B.18. Time series of sample results collected during 2025 at HOLLY5.

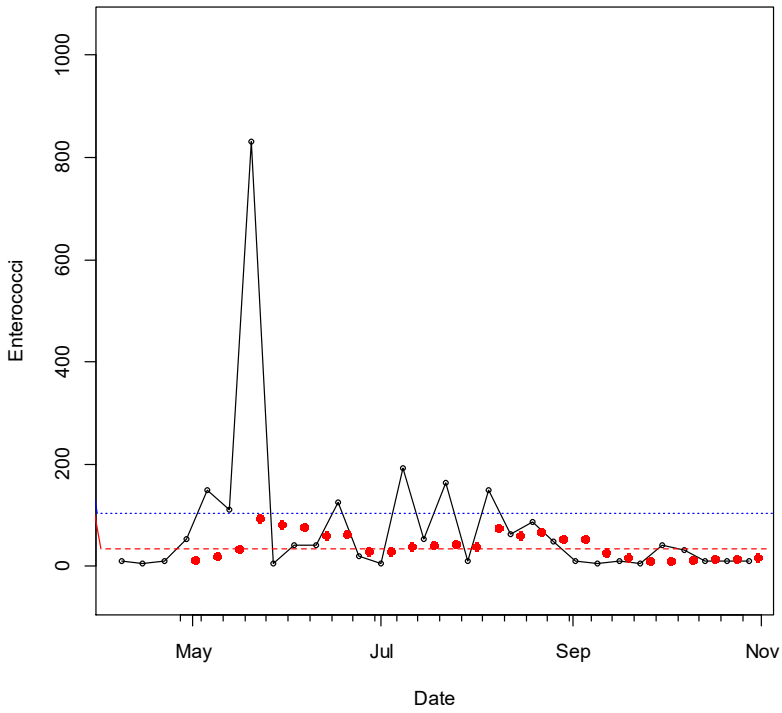


Figure B.19. Time series of sample results collected during 2025 at HOLLY6.

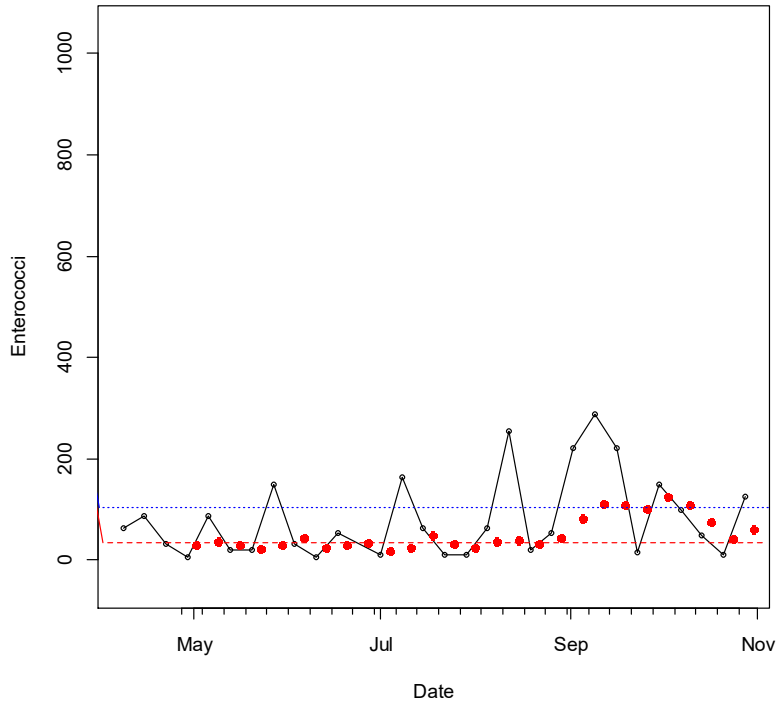


Figure B.20. Time series of sample results collected during 2025 at LCNB1.

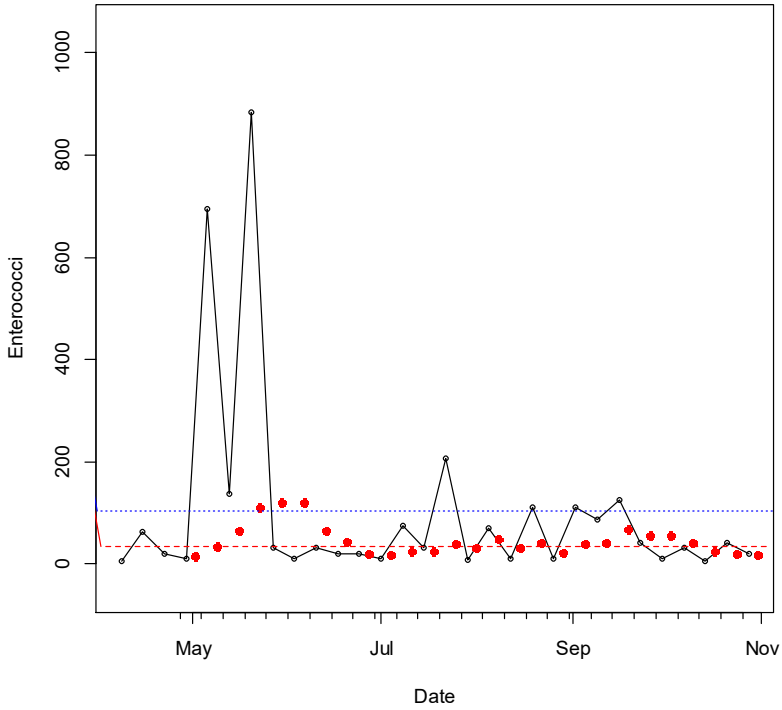


Figure B.21. Time series of sample results collected during 2025 at LTFL1.

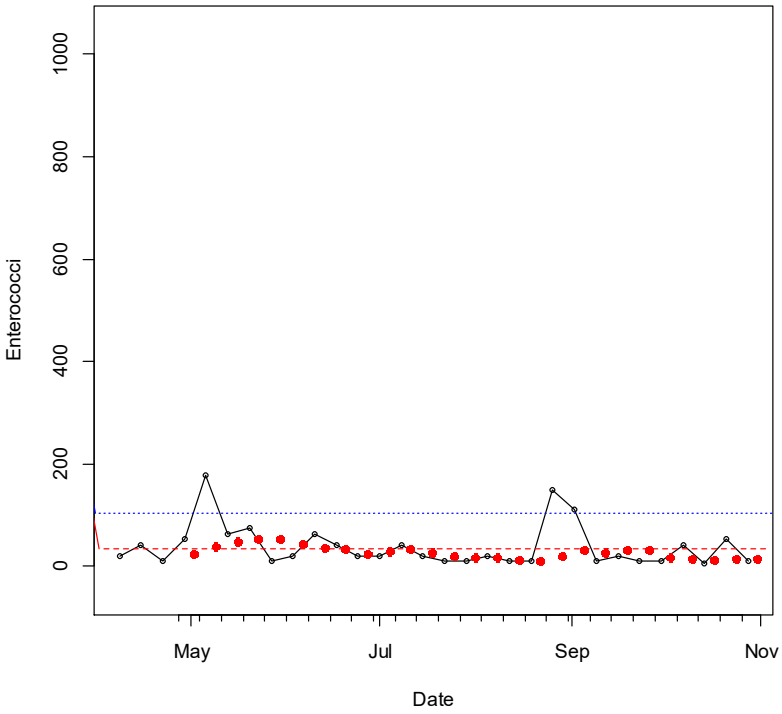


Figure B.22. Time series of sample results collected during 2025 at MART1.

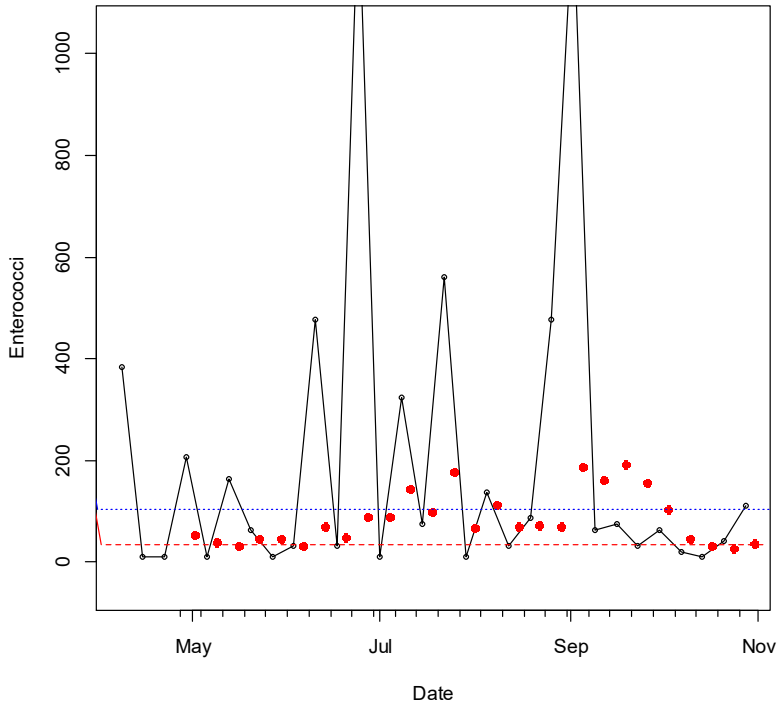


Figure B.23. Time series of sample results collected during 2025 at RUTH1.

APPENDIX C

Sample Results

2025 Beach Sample Results

Constance Beach

CNST1 ***Beach Name*** *Constance Beach*

Station ID	Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
	4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	75	27.8	Routine
	4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	42	23.5	Routine
	4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	5	19.3	Routine
	4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	111	11.9	Routine
	5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	344	26.3	Routine
	5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	75	24.4	Routine
	5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	42	14.1	Routine
	5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	10	10.5	Routine
	6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	42	17.3	Routine
	6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	31	18.4	Routine
	6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	42	18.8	Routine
	6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	20	12.5	Routine
	7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	20	11.5	Routine
	7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	99	19.7	Routine
	7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	31	28.2	Routine
	7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	87	30.0	Routine
	7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	53	26.4	Routine
	8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	31	29.7	Routine
	8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.4	Routine
	8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	53	25.0	Routine
	8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.1	Routine
	9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	99	19.5	Field Duplicate
	9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	87	19.5	Routine
	9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	18.7	Routine
	9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	137	21.3	Routine
	9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	20	19.8	Field Duplicate
	9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	20	19.8	Routine
	9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	5	20.6	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	178	23.5	Field Duplicate
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	99	23.6	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.1	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	20	23.7	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	20	22.2	Routine

Cypremort Point State Park

CYPT1 ***Beach Name*** *Cypremort Point State Park*

4/8/2025	6:00	Low Tide Falling	Clear	Southeast	Light (0-5 mph)	70	99	1.7	Routine
4/15/2025	6:10	Low Tide Falling	Clear	East	Light (0-5 mph)	73	99	1.3	Routine
4/22/2025	6:00	Normal	Scattered Clouds	East-Southeast	Moderate-Light (5-10 mph)	73	124	3.3	Routine
4/29/2025	6:10	High Tide Rising	Scattered Clouds	North-Northwest	Moderate-Light (5-10 mph)	80	42	3.6	Routine
5/6/2025	6:00	High Tide Falling	Cloudy	West	Moderate-Light (5-10 mph)	80	31	26.6	Routine
5/13/2025	6:15	High Tide Rising	Cloudy	North-Northeast	Light (0-5 mph)	75	124	2.3	Routine
5/20/2025	6:10	High Tide Falling	Cloudy	North	Moderate (10-15 mph)	80	42	1.7	Routine
5/27/2025	6:15	High Tide Rising	Rain	North	Moderate-Light (5-10 mph)	81	885	1.4	Field Duplicate
5/27/2025	6:15	High Tide Rising	Rain	North	Moderate-Light (5-10 mph)	81	2005	1.4	Routine
6/3/2025	6:10	Low Tide Falling	Cloudy	West	Light (0-5 mph)	82	5	1.6	Routine
6/10/2025	6:10	Low Tide Falling	Scattered Clouds	North	Light (0-5 mph)	84	75	1.0	Routine
6/17/2025	6:15	High Tide Rising	Cloudy	North	Light (0-5 mph)	84	87	1.4	Routine
6/24/2025	6:18	High Tide Falling	Scattered Clouds	South-Southwest	Light (0-5 mph)	84	20	0.8	Routine
7/1/2025	6:10	High Tide Rising	Cloudy	East	Light (0-5 mph)	87	75	1.1	Routine
7/8/2025	6:15	High Tide	Cloudy	Southwest	Light (0-5 mph)	84	75	1.9	Routine
7/15/2025	6:15	Low Tide	Scattered Clouds	North	Moderate-Light (5-10 mph)	85	20	1.5	Routine
7/22/2025	6:10	High Tide Rising	Scattered Clouds	South	Light (0-5 mph)	86	53	1.1	Routine
7/29/2025	6:15	High Tide Rising	Scattered Clouds	Southeast	Moderate-Light (5-10 mph)	87	20	2.6	Routine
8/5/2025	6:00	Normal	Scattered Clouds	South	Light (0-5 mph)	86	10	4.4	Routine
8/12/2025	6:15	Low Tide Falling	Scattered Clouds	South	Light (0-5 mph)	84	178	5.1	Routine
8/19/2025	6:15	High Tide	Scattered Clouds	South	Light (0-5 mph)	84	64	4.6	Routine
8/26/2025	6:18	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	84	111	5.1	Routine
9/2/2025	6:12	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	84	31	4.6	Routine
9/9/2025	6:20	High Tide Falling	Scattered Clouds	South	Moderate-Light (5-10 mph)	84	10	4.9	Routine
9/16/2025	5:55	High Tide	Partly Cloudy	East-Northeast	Light (0-5 mph)	83	207	5.1	Routine
9/23/2025	6:12	Low Tide Falling	Scattered Clouds	North-Northwest	Moderate-Light (5-10 mph)	84	288	5.0	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
9/30/2025	6:10	High Tide Falling	Clear	South	Moderate-Light (5-10 mph)	82	42	4.4	Routine
10/7/2025	6:00	High Tide Falling	Fog	South-Southwest	Light (0-5 mph)	80	222	5.4	Routine
10/14/2025	7:15	High Tide Falling	Clear	South	Light (0-5 mph)	80	53	4.3	Routine
10/21/2025	6:10	High Tide	Clear	West	Light (0-5 mph)	77	64	4.7	Routine
10/28/2025	6:10	High Tide	Clear	South-Southwest	Moderate-Light (5-10 mph)	74	99	5.6	Routine

Elmer's Island

ELMR1 ***Beach Name*** *Elmer's Island - 1*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	10	12.7	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	5	30.3	Field Split
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	10	30.3	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	5	16.3	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	99	15.7	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	14.5	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	5	16.9	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	5	15.5	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	87	16.7	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	5	14.7	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	31	32.0	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	20	21.9	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	5	10.8	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	5	10.8	Field Duplicate
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	10	18.5	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	5	21.1	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	10	15.6	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	31	19.2	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	5	18.6	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	75	25.0	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	20	16.5	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	5	20.3	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	5	18.5	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	31	18.4	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	10	16.6	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	20	21.6	Routine

Beach

Station ID Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	23.1	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	5	24.1	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	10	24.1	Field Duplicate
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	42	23.1	Field Duplicate
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	31	23.4	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	24.9	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	5	23.8	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	5	24.2	Field Duplicate
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	31	25.2	Routine

Fontainebleau State Park

FNTB1 ***Beach Name*** *Fontainebleau State Park*

4/7/2025	8:00	High Tide Falling	Cloudy	North-Northwest	Moderate-Strong (15-20 mph)	67	591	2.0	Routine
4/7/2025	8:00	High Tide Falling	Cloudy	North-Northwest	Moderate-Strong (15-20 mph)	67	504	2.0	Field Duplicate
4/14/2025	7:55	Low Tide	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	68	310	1.6	Routine
4/21/2025	7:55	High Tide Falling	Cloudy	Southeast	Moderate-Light (5-10 mph)	75	207	2.0	Routine
4/28/2025	8:01	Low Tide Falling	Partly Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	10	1.9	Routine
5/5/2025	8:10	Low Tide	Clear	Northeast	Light (0-5 mph)	73	5	2.0	Routine
5/12/2025	8:20	High Tide	Cloudy	Southwest	Light (0-5 mph)	71	178	1.0	Routine
5/19/2025	7:40	High Tide Falling	Cloudy	South	Moderate (10-15 mph)	80	53	1.5	Routine
5/27/2025	7:30	Low Tide Falling	Cloudy	South	Moderate-Strong (15-20 mph)	81	64	1.7	Routine
6/2/2025	7:50	Low Tide	Clear	North	Light (0-5 mph)	81	42	1.7	Routine
6/9/2025	7:25	Low Tide Falling	Cloudy	Southwest	Moderate-Strong (15-20 mph)	83	20	0.9	Routine
6/16/2025	7:43	Low Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	83	53	0.9	Routine
6/23/2025	7:45	Low Tide Falling	Scattered Clouds	Calm	Calm (0 mph)	84	64	0.9	Routine
6/30/2025	8:30	Low Tide	Cloudy	Southwest	Light (0-5 mph)	85	111	0.9	Routine
7/7/2025	8:00	Low Tide Falling	Clear	West	Light (0-5 mph)	83	87	1.0	Routine
7/14/2025	7:40	High Tide Falling	Partly Cloudy	Northwest	Light (0-5 mph)	82	10	1.2	Routine
7/21/2025	7:38	Low Tide Falling	Scattered Clouds	West	Moderate-Light (5-10 mph)	87	31	1.2	Routine
7/28/2025	7:50	High Tide Falling	Clear	Northwest	Moderate (10-15 mph)	85	254	1.2	Routine
7/28/2025	7:50	High Tide Falling	Clear	Northwest	Moderate (10-15 mph)	85	238	1.2	Field Split
8/4/2025	7:45	Low Tide Falling	Partly Cloudy	North-Northeast	Moderate-Light (5-10 mph)	84	10	1.2	Routine
8/11/2025	7:44	High Tide Falling	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	84	111	1.1	Routine
8/18/2025	8:00	Low Tide Falling	Scattered Clouds	North-Northeast	Light (0-5 mph)	86	31	1.1	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
8/25/2025	7:55	Low Tide	Clear	Northeast	Moderate-Light (5-10 mph)	84	5	1.2	Routine
9/2/2025	7:45	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	83	10	1.2	Routine
9/8/2025	7:55	Low Tide Falling	Scattered Clouds	Northeast	Moderate-Strong (15-20 mph)	79	5	1.3	Routine
9/15/2025	7:45	Low Tide Falling	Scattered Clouds	Northwest	Moderate (10-15 mph)	81	10	1.3	Routine
9/22/2025	7:30	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	82	64	1.4	Routine
9/29/2025	7:45	Low Tide Falling	Partly Cloudy	Northeast	Moderate (10-15 mph)	79	5	1.3	Routine
10/6/2025	7:45	High Tide	Rain	Southeast	Moderate-Strong (15-20 mph)	78	1184	1.1	Routine
10/13/2025	7:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	74	5	2.4	Routine
10/20/2025	7:48	Low Tide Falling	Clear	East-Northeast	Light (0-5 mph)	72	5	3.5	Routine
10/27/2025	7:45	High Tide	Clear	North	Moderate-Light (5-10 mph)	75	42	2.3	Routine

Grand Isle Beach

GIB1 ***Beach Name*** *Grand Isle Beach - 1*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	10	26.1	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	5	29.8	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	5	17.5	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	20	16.0	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	12.6	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	12.7	Field Split
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	10	17.9	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	5	12.2	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	31	14.8	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	20	14.3	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	42	31.6	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	10	17.0	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	5	9.8	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	64	18.8	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	5	20.2	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	10	20.2	Field Split
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	5	13.0	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	10	16.8	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	5	17.9	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	10	23.5	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	20	16.8	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	207	18.0	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	111	18.0	Field Split
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	5	17.9	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	164	17.6	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	10	17.8	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	5	20.5	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	21.5	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	10	24.8	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	75	22.9	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	25.1	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	10	26.8	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	10	24.5	Routine

Grand Isle Beach

GIB2 ***Beach Name*** *Grand Isle Beach - 2*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	31	26.3	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	5	30.3	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	20	16.3	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	5	16.1	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	12.1	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	20	17.1	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	5	12.4	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	178	15.2	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	5	14.3	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	75	31.8	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	5	17.0	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	137	10.1	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	31	18.6	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	5	19.9	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	5	12.7	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	42	17.1	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	10	17.8	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	87	23.5	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	20	16.3	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	10	17.6	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	5	17.8	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	238	17.3	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.8	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	5	20.2	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	21.5	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	5	24.4	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	178	22.4	Field Duplicate
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	87	22.3	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	25.1	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	5	24.3	Routine

Grand Isle Beach

GIB3 ***Beach Name*** *Grand Isle Beach - 3*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	31	25.6	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	5	29.6	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	5	15.4	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	5	15.7	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	11.9	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	20	19.2	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	42	12.5	Field Duplicate
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	20	12.4	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	591	15.1	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	10	14.6	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	20	14.6	Field Split
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	42	31.0	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	10	16.3	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	697	9.2	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	20	16.6	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	5	19.7	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	5	12.5	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	75	17.8	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	10	17.8	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	99	23.6	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	10	15.8	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	20	17.9	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	5	18.2	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	207	17.0	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.4	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	5	20.2	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	10	21.4	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	5	24.3	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	31	23.0	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	25.1	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	5	25.6	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	31	24.5	Routine

Grand Isle State Park

GISP1 ***Beach Name*** *Grand Isle State Park - 1*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	20	20.9	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	64	29.6	Field Duplicate
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	42	29.7	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	5	15.8	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	10	15.5	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	10	11.0	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	137	18.6	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	10	12.3	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	288	15.0	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	5	15.0	Field Duplicate
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	10	15.0	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	87	30.4	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	10	16.1	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	20	9.3	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	31	15.8	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	20	20.2	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	42	14.1	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	324	19.1	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	5	17.4	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	624	22.0	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	5	15.8	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	42	18.0	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	31	17.6	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	10	17.1	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.1	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	10	20.0	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	21.2	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	10	23.6	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	42	22.8	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	10	24.6	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	10	25.3	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	5	24.8	Routine

Grand Isle State Park

GISP2 ***Beach Name*** *Grand Isle State Park - 2*

4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	64	20.9	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	53	29.7	Field Duplicate
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	20	29.7	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	20	15.8	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	64	15.5	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	31	11.0	Field Split
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	11.1	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	150	18.6	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	5	12.2	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	344	15.0	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	10	15.1	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	75	30.1	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	20	16.0	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	31	9.3	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	5	15.7	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	75	20.2	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	31	14.1	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	406	19.1	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	20	17.3	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	885	22.0	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	10	15.8	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	111	17.9	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	20	17.6	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	5	17.0	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.0	Field Split
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.1	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	10	20.0	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	21.0	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	5	23.6	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	42	23.0	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	24.5	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	31	24.7	Routine

Grand Isle State Park

GISP3 ***Beach Name*** *Grand Isle State Park - 3*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	10	19.4	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	5	29.7	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	10	15.9	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	5	15.4	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	10	10.9	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	53	18.2	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	10	12.2	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	150	14.8	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	20	15.4	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	31	29.8	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	31	15.6	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	10	9.1	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	20	16.6	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	20	19.5	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	10	14.6	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	429	20.4	Routine
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	271	20.4	Field Split

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	20	17.5	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	591	16.9	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	5	15.7	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	10	15.7	Field Split
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	42	17.8	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	31	17.4	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	31	17.0	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	64	17.0	Field Split
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	20	17.1	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	10	19.9	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	20.7	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	10	23.5	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	42	22.7	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	24.4	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	31	24.7	Routine

Grand Isle State Park

GISP4 ***Beach Name*** *Grand Isle State Park - 4*

4/7/2025	6:10	Low Tide Falling	Cloudy	Northwest	Moderate (10-15 mph)	75	31	19.4	Routine
4/14/2025	5:53	High Tide Rising	Clear	South-Southwest	Moderate-Light (5-10 mph)	68	42	29.6	Routine
4/21/2025	5:53	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Light (5-10 mph)	70	53	15.9	Routine
4/28/2025	5:50	High Tide Rising	Scattered Clouds	Southeast	Light (0-5 mph)	76	10	15.5	Routine
5/5/2025	7:00	Low Tide Falling	Clear	Northeast	Moderate-Light (5-10 mph)	78	5	11.0	Routine
5/12/2025	5:50	High Tide Rising	Light Rain	West	Moderate-Light (5-10 mph)	77	10	18.4	Routine
5/19/2025	5:53	Low Tide Falling	Cloudy	South-Southeast	Moderate-Light (5-10 mph)	78	31	12.2	Routine
5/27/2025	5:38	High Tide Rising	Cloudy	South	Moderate (10-15 mph)	81	178	14.8	Routine
6/2/2025	5:45	Low Tide Falling	Clear	Northeast	Light (0-5 mph)	84	20	15.5	Routine
6/9/2025	5:48	High Tide Rising	Cloudy	Southwest	Moderate-Light (5-10 mph)	82	64	29.9	Routine
6/16/2025	5:53	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Light (5-10 mph)	82	31	15.7	Routine
6/23/2025	5:45	High Tide	Clear	East-Northeast	Light (0-5 mph)	88	20	9.1	Routine
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	20	16.6	Field Split
6/30/2025	5:54	Low Tide Falling	Scattered Clouds	Southwest	Light (0-5 mph)	88	10	16.6	Routine
7/7/2025	5:45	High Tide	Clear	South-Southwest	Light (0-5 mph)	87	20	19.6	Routine
7/14/2025	5:40	Low Tide Falling	Scattered Clouds	Northwest	Light (0-5 mph)	84	10	14.6	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
7/21/2025	5:40	High Tide	Scattered Clouds	Northwest	Light (0-5 mph)	83	271	20.4	Routine
7/28/2025	5:38	Low Tide Falling	Clear	North-Northwest	Moderate-Light (5-10 mph)	83	31	17.5	Routine
8/4/2025	5:40	High Tide	Light Rain	North-Northeast	Light (0-5 mph)	83	344	17.1	Routine
8/11/2025	5:38	Low Tide Falling	Scattered Clouds	East	Light (0-5 mph)	85	20	15.8	Routine
8/18/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	83	87	17.9	Routine
8/25/2025	5:35	Low Tide Falling	Clear	North	Light (0-5 mph)	85	31	17.4	Routine
9/2/2025	5:36	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	86	31	17.0	Routine
9/8/2025	5:50	Low Tide Falling	Clear	Northeast	Moderate (10-15 mph)	86	5	17.1	Routine
9/15/2025	5:40	High Tide Falling	Clear	North	Light (0-5 mph)	81	5	20.0	Routine
9/22/2025	5:45	Low Tide	Clear	Southeast	Light (0-5 mph)	85	5	20.7	Routine
9/29/2025	5:48	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	80	5	23.6	Routine
10/6/2025	5:45	Low Tide	Clear	South-Southeast	Moderate-Light (5-10 mph)	78	42	22.7	Routine
10/13/2025	5:50	High Tide Falling	Clear	North-Northwest	Light (0-5 mph)	80	5	24.5	Routine
10/20/2025	5:52	Low Tide	Clear	Northeast	Moderate (10-15 mph)	80	10	25.1	Routine
10/27/2025	5:42	High Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	73	42	24.6	Routine

Gulf Breeze

GBRZ1 ***Beach Name*** *Gulf Breeze*

4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	10	27.9	Routine
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	31	28.0	Field Duplicate
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	53	24.2	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	5	19.2	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	20	12.1	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	364	2.0	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	31	24.1	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	124	15.1	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	10	10.8	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	5	10.8	Field Split
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	42	17.3	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	31	18.2	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	99	18.9	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	10	12.6	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	10	11.5	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	111	19.7	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	10	28.2	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	124	30.0	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	20	26.6	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	384	29.7	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.7	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	31	24.8	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	53	25.0	Field Split
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	5	25.1	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	192	19.6	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	18.6	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	10	21.2	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	31	19.7	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	20	19.7	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	53	23.6	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.3	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	5	23.4	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	22.0	Routine

Holly Beach

HOLLY1 ***Beach Name*** *Holly Beach - 1*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	10	28.1	Field Split
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	53	27.8	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	10	25.8	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	53	18.6	Field Duplicate
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	10	18.5	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	31	11.3	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	87	27.1	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	87	27.0	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	945	13.0	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	42	9.1	Field Duplicate
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	42	9.1	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	87	16.3	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	10	17.8	Field Duplicate
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	10	17.7	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	178	18.5	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	5	11.4	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	64	11.5	Field Split
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	5	10.6	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	87	19.7	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	42	27.6	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	111	28.7	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	25.3	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	87	27.9	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	42	25.1	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	42	25.2	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	31	25.0	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	20	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	64	19.3	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	31	21.3	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	31	19.6	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	5	20.0	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	10	23.8	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	64	21.0	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	10	22.6	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	21.1	Routine

Holly Beach

HOLLY2 ***Beach Name*** *Holly Beach - 2*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	10	28.4	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	20	25.7	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	31	18.4	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	42	11.4	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	192	27.2	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	164	27.1	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	831	13.1	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	10	9.0	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	31	16.3	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	5	17.6	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	99	18.6	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	20	11.4	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	10	10.7	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	42	19.6	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	20	27.6	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	124	28.8	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	25.3	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	64	28.1	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	31	25.0	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	5	25.1	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	5	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	19.3	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	53	21.4	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	10	19.5	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	10	20.2	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	31	23.6	Field Duplicate
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	20	23.5	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	42	21.2	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	5	22.7	Field Duplicate
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	5	22.7	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	21.2	Routine

Holly Beach

HOLLY3 ***Beach Name*** *Holly Beach - 3*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	31	28.2	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	42	25.6	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	192	18.4	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	207	18.3	Field Split
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	10	11.3	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	150	27.1	Field Split
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	238	27.4	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	75	26.9	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	945	13.0	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	42	9.0	Field Duplicate

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	10	9.0	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	20	16.3	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	20	17.6	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	137	18.5	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	31	11.3	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	42	10.6	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	504	19.6	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	20	27.6	Field Split
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	53	27.5	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	137	28.7	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	25.3	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	288	28.3	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	42	25.3	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	53	25.1	Field Split
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	5	24.9	Field Split
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	53	24.9	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.0	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	10	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	19.2	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	20	19.2	Field Split
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	124	21.4	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	20	19.5	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	10	20.1	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	64	23.4	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	10	21.1	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	20	22.6	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	21.2	Routine

Holly Beach

HOLLY4 ***Beach Name*** *Holly Beach - 4*

4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	10	28.0	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	20	24.9	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	31	18.4	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	10	11.3	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	288	25.6	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	137	26.8	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	945	12.9	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	31	9.1	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	42	16.2	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	42	17.7	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	111	18.4	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	10	11.5	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	20	10.6	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	150	19.5	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	137	27.6	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	192	28.8	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	5	25.1	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	192	28.0	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	42	25.0	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	31	25.1	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	75	24.9	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	10	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	5	19.2	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	31	21.1	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	10	19.5	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	10	20.2	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	75	23.5	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	20	23.9	Field Split
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	31	21.0	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	31	22.6	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	31	21.0	Routine

Holly Beach

HOLLY5 ***Beach Name*** *Holly Beach - 5*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	42	28.3	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	10	25.1	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	20	18.5	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	64	11.3	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	111	25.7	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	111	26.9	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	1013	12.9	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	20	9.1	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	75	16.2	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	31	17.8	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	99	18.5	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	10	11.6	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	5	10.6	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	238	19.5	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	111	27.6	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	10	27.7	Field Duplicate
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	207	28.8	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	20	25.2	Field Duplicate
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	20	25.2	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	137	28.2	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.0	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	31	25.0	Field Split
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	560	25.2	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	5	24.9	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	10	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	20	19.3	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	87	21.1	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	20	19.5	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	53	20.2	Field Duplicate
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	64	20.2	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	42	23.6	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.0	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	20	22.7	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	21.0	Field Duplicate
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	21.0	Routine

Holly Beach

HOLLY6 ***Beach Name*** *Holly Beach - 6*

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	10	28.9	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	5	25.6	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	10	18.4	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	53	11.4	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	150	25.7	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	111	27.0	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	831	12.9	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	5	9.1	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	42	16.2	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	31	17.9	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	53	17.8	Field Split
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	124	18.6	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	20	11.7	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	5	10.6	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	192	19.5	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	53	27.6	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	164	28.8	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	25.2	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	150	28.2	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	64	25.1	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	87	25.0	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	64	25.1	Field Duplicate
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	31	24.9	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	10	18.5	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	5	19.3	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	10	21.1	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	5	19.6	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	42	20.3	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	31	23.4	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	10	21.1	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	10	22.8	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	10	21.2	Routine

Little Florida

Beach

Station ID	Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
LTFL1			***Beach Name*** *Little Florida*							
	4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	5	28.9	Routine
	4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	64	24.5	Routine
	4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	20	19.2	Routine
	4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	10	12.4	Routine
	5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	1184	3.7	Routine
	5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	207	0.8	Field Duplicate
	5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	137	24.1	Routine
	5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	885	15.4	Routine
	5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	31	10.0	Routine
	6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	10	17.4	Routine
	6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	31	18.3	Routine
	6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	20	19.3	Routine
	6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	20	12.8	Routine
	7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	10	11.7	Routine
	7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	75	19.8	Routine
	7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	31	28.0	Routine
	7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	207	30.1	Routine
	7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	26.6	Field Duplicate
	7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	5	26.5	Routine
	8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	31	30.1	Field Duplicate
	8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	111	30.2	Routine
	8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.9	Routine
	8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	111	24.8	Routine
	8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	25.2	Routine
	9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	111	19.8	Routine
	9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	87	18.7	Routine
	9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	124	21.6	Routine
	9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	42	19.8	Routine
	9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	10	20.2	Routine
	10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	31	23.7	Routine
	10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.3	Routine
	10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	42	23.6	Routine
	10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	20	22.5	Routine

Beach

Station ID

Long Beach

DUNG1 ***Beach Name*** *Long Beach*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	20	27.4	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	31	24.8	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	10	19.4	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	364	13.3	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	453	27.0	Field Split
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	254	27.2	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	192	24.1	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	75	17.1	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	5	9.6	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	99	17.4	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	87	18.4	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	111	18.5	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	124	13.6	Field Split
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	178	13.5	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	99	11.9	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	53	19.9	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	124	26.9	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	42	28.9	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	5	28.9	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	178	30.4	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	20	26.4	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	87	24.6	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	238	25.0	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	111	19.6	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	18.7	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	53	22.4	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	20	20.2	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	5	20.6	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	124	23.6	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.3	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	53	23.7	Routine

Beach

Station ID

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	5	22.6	Routine

Martin Beach

MART1 ***Beach Name*** *Martin Beach*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:00	Low Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	71	20	27.6	Routine
4/15/2025	7:00	High Tide Falling	Scattered Clouds	Northwest	Moderate-Light (5-10 mph)	73	42	25.8	Routine
4/22/2025	7:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate (10-15 mph)	74	10	19.6	Routine
4/29/2025	7:00	High Tide	Partly Cloudy	South	Moderate-Strong (15-20 mph)	81	53	13.3	Routine
5/6/2025	7:00	Low Tide Falling	Cloudy	Southeast	Strong (20-35 mph)	79	178	25.2	Routine
5/13/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	77	64	24.0	Routine
5/20/2025	7:00	Low Tide Falling	Cloudy	South	Strong (20-35 mph)	80	75	17.1	Routine
5/27/2025	7:00	High Tide Falling	Rain	South-Southwest	Moderate (10-15 mph)	79	10	9.7	Routine
6/3/2025	6:00	Low Tide Falling	Partly Cloudy	Southeast	Moderate-Strong (15-20 mph)	82	20	17.4	Routine
6/10/2025	7:00	High Tide Falling	Scattered Clouds	South-Southwest	Moderate (10-15 mph)	85	64	18.5	Routine
6/17/2025	7:00	Low Tide Falling	Scattered Clouds	South-Southwest	Moderate-Strong (15-20 mph)	84	42	18.9	Routine
6/24/2025	7:00	Low Tide Falling	Partly Cloudy	East-Northeast	Moderate (10-15 mph)	87	20	13.5	Routine
7/1/2025	7:00	Low Tide Falling	Partly Cloudy	North-Northwest	Moderate-Light (5-10 mph)	87	20	11.9	Routine
7/8/2025	7:38	Low Tide	Rain	Southwest	Moderate (10-15 mph)	89	42	19.6	Routine
7/15/2025	7:00	High Tide	Scattered Clouds	Southwest	Moderate-Light (5-10 mph)	87	20	26.9	Routine
7/22/2025	7:00	Low Tide	Scattered Clouds	Southwest	Moderate (10-15 mph)	87	10	29.0	Routine
7/29/2025	7:00	High Tide	Clear	Northwest	Moderate-Light (5-10 mph)	87	10	28.9	Routine
8/5/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	85	20	30.4	Routine
8/12/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	10	26.8	Routine
8/19/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate-Light (5-10 mph)	89	10	24.8	Routine
8/26/2025	7:00	High Tide Falling	Scattered Clouds	East-Northeast	Moderate-Light (5-10 mph)	88	150	25.2	Routine
9/2/2025	7:00	High Tide Rising	Clear	Northeast	Moderate-Light (5-10 mph)	87	111	19.6	Routine
9/9/2025	7:00	High Tide Falling	Clear	Northeast	Moderate (10-15 mph)	87	10	18.8	Routine
9/16/2025	7:00	Low Tide	Clear	North	Moderate-Light (5-10 mph)	85	20	22.7	Routine
9/23/2025	7:00	High Tide Falling	Rain	South	Moderate (10-15 mph)	87	10	20.0	Routine
9/30/2025	7:00	High Tide Falling	Scattered Clouds	North-Northeast	Moderate (10-15 mph)	84	10	20.5	Routine
10/7/2025	7:00	Low Tide	Scattered Clouds	Northeast	Moderate-Light (5-10 mph)	82	42	23.7	Routine
10/14/2025	7:00	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	81	5	21.4	Routine
10/21/2025	7:00	Low Tide	Clear	South-Southwest	Moderate (10-15 mph)	80	53	23.6	Routine
10/28/2025	7:00	High Tide	Scattered Clouds	East-Southeast	Moderate (10-15 mph)	77	10	22.6	Routine

Beach

North Beach

LCNB1 ***Beach Name*** *North Beach*

Station ID Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:05	Low Tide Falling	Clear	Northwest	Moderate-Light (5-10 mph)	64	64	0.5	Routine
4/15/2025	7:05	Low Tide	Clear	North	Light (0-5 mph)	70	87	0.8	Routine
4/22/2025	7:05	Low Tide Falling	Cloudy	East-Southeast	Light (0-5 mph)	75	31	2.0	Routine
4/29/2025	7:05	High Tide Rising	Clear	East-Southeast	Moderate-Light (5-10 mph)	78	5	1.5	Routine
5/6/2025	7:05	High Tide Falling	Cloudy	East-Northeast	Moderate (10-15 mph)	74	87	20.4	Routine
5/13/2025	7:04	Normal	Clear	Calm	Light (0-5 mph)	70	20	0.2	Routine
5/20/2025	7:05	Low Tide Falling	Partly Cloudy	South	Moderate-Light (5-10 mph)	78	20	0.1	Routine
5/27/2025	7:05	Normal	Partly Cloudy	North	Calm (0 mph)	80	150	0.2	Routine
6/3/2025	7:05	Low Tide Falling	Clear	Calm	Light (0-5 mph)	82	31	0.5	Routine
6/10/2025	7:05	High Tide Rising	Clear	Southeast	Light (0-5 mph)	84	5	1.8	Routine
6/17/2025	7:05	Low Tide	Clear	Northeast	Light (0-5 mph)	80	53	1.5	Routine
7/1/2025	7:05	Low Tide	Partly Cloudy	Northwest	Light (0-5 mph)	87	10	1.1	Routine
7/8/2025	7:05	High Tide Rising	Cloudy	East-Southeast	Moderate-Light (5-10 mph)	85	164	0.9	Routine
7/15/2025	7:05	Low Tide	Clear	North	Calm (0 mph)	87	64	2.3	Routine
7/22/2025	7:05	Normal	Partly Cloudy	North	Calm (0 mph)	86	10	2.9	Routine
7/29/2025	7:05	Low Tide	Clear	Northwest	Light (0-5 mph)	88	10	3.7	Routine
8/5/2025	7:05	High Tide Rising	Clear	North-Northeast	Moderate-Light (5-10 mph)	83	64	4.1	Routine
8/12/2025	7:04	Normal	Partly Cloudy	North	Light (0-5 mph)	84	254	10.0	Routine
8/19/2025	7:04	High Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	84	20	8.8	Routine
8/26/2025	7:05	Low Tide Falling	Clear	East	Light (0-5 mph)	84	53	8.3	Routine
9/2/2025	7:00	High Tide	Clear	North	Light (0-5 mph)	83	222	6.4	Routine
9/9/2025	7:03	Normal	Clear	North	Moderate-Light (5-10 mph)	77	288	8.1	Routine
9/16/2025	7:01	High Tide Falling	Clear	North	Calm (0 mph)	84	222	8.3	Routine
9/23/2025	7:02	High Tide Rising	Partly Cloudy	North	Calm (0 mph)	83	20	9.7	Routine
9/23/2025	7:02	High Tide Rising	Partly Cloudy	North	Calm (0 mph)	83	10	9.8	Field Split
9/30/2025	7:02	High Tide Falling	Clear	North	Light (0-5 mph)	79	150	9.6	Routine
10/7/2025	7:03	High Tide	Fog	North	Calm (0 mph)	82	99	12.4	Routine
10/14/2025	7:00	Normal	Clear	Northwest	Light (0-5 mph)	78	42	12.6	Routine
10/14/2025	7:00	Normal	Clear	Northwest	Light (0-5 mph)	78	53	12.6	Field Split
10/21/2025	7:00	High Tide	Clear	North	Light (0-5 mph)	76	10	12.7	Routine
10/28/2025	7:00	High Tide	Clear	East-Northeast	Moderate-Light (5-10 mph)	74	124	12.4	Routine

Beach

Station ID

Rutherford Beach

RUTH1 ***Beach Name*** *Rutherford Beach*

Date	Time	Tide	Weather	Wind Direction	Wind Speed	Water Temp	Entero-cocci	Salinity	Sample Type
4/8/2025	7:07	Low Tide	Clear	West-Northwest	Light (0-5 mph)	62	384	27.9	Routine
4/15/2025	6:57	High Tide	Clear	North	Light (0-5 mph)	73	10	23.4	Routine
4/22/2025	7:05	Low Tide Falling	Partly Cloudy	South	Moderate-Light (5-10 mph)	78	10	13.6	Routine
4/29/2025	6:58	High Tide	Partly Cloudy	South	Moderate (10-15 mph)	80	207	8.4	Routine
5/6/2025	6:57	High Tide	Cloudy	East-Southeast	Moderate-Strong (15-20 mph)	80	10	20.3	Routine
5/13/2025	6:58	High Tide	Clear	South	Moderate-Light (5-10 mph)	79	192	30.2	Routine
5/13/2025	6:58	High Tide	Clear	South	Moderate-Light (5-10 mph)	79	137	30.3	Field Duplicate
5/20/2025	7:03	High Tide	Scattered Clouds	South	Moderate-Strong (15-20 mph)	81	64	9.5	Routine
5/27/2025	6:58	High Tide	Cloudy	North	Moderate-Light (5-10 mph)	80	10	7.9	Routine
6/3/2025	6:55	High Tide Falling	Scattered Clouds	South-Southeast	Moderate-Light (5-10 mph)	81	31	19.4	Routine
6/10/2025	6:37	High Tide Falling	Scattered Clouds	South	Moderate-Light (5-10 mph)	84	478	18.7	Routine
6/17/2025	6:40	High Tide Rising	Partly Cloudy	South	Moderate (10-15 mph)	84	31	15.5	Routine
6/24/2025	6:40	High Tide Falling	Clear	North	Moderate-Light (5-10 mph)	82	1298	7.1	Routine
7/1/2025	6:40	Low Tide Falling	Cloudy	South-Southeast	Light (0-5 mph)	84	10	8.4	Routine
7/8/2025	6:54	High Tide	Rain	South	Moderate (10-15 mph)	86	324	20.4	Routine
7/15/2025	6:40	Low Tide Falling	Clear	South	Calm (0 mph)	84	75	22.9	Routine
7/22/2025	6:45	High Tide Falling	Scattered Clouds	South	Moderate-Light (5-10 mph)	84	560	27.1	Routine
7/29/2025	6:40	High Tide	Clear	North-Northwest	Moderate-Light (5-10 mph)	85	10	21.6	Routine
8/5/2025	6:50	Low Tide	Partly Cloudy	Northeast	Light (0-5 mph)	83	137	30.7	Routine
8/12/2025	6:40	Low Tide Falling	Partly Cloudy	North	Calm (0 mph)	86	31	23.6	Routine
8/19/2025	6:45	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	81	87	22.7	Routine
8/26/2025	6:40	High Tide Falling	Partly Cloudy	Northeast	Moderate-Light (5-10 mph)	83	478	25.3	Routine
9/2/2025	6:44	High Tide Falling	Partly Cloudy	North	Calm (0 mph)	82	1298	15.9	Routine
9/9/2025	6:45	High Tide Falling	Clear	North	Light (0-5 mph)	78	64	20.1	Routine
9/16/2025	6:45	High Tide Falling	Partly Cloudy	North	Light (0-5 mph)	83	75	21.1	Routine
9/23/2025	6:50	High Tide Falling	Partly Cloudy	East-Southeast	Moderate-Light (5-10 mph)	85	31	15.8	Routine
9/30/2025	6:45	High Tide Falling	Clear	North-Northeast	Light (0-5 mph)	78	64	22.5	Routine
10/7/2025	6:50	Low Tide	Partly Cloudy	Northeast	Light (0-5 mph)	81	20	19.7	Routine
10/14/2025	6:45	High Tide Falling	Clear	West-Northwest	Moderate-Light (5-10 mph)	74	10	21.5	Routine
10/21/2025	6:50	Low Tide	Clear	North	Moderate-Light (5-10 mph)	74	42	23.9	Routine
10/28/2025	6:52	High Tide Falling	Clear	East	Moderate-Light (5-10 mph)	74	111	22.4	Routine

APPENDIX D

Summary of Louisiana BEACH Program's Fulfillment of U.S. EPA's BEACH Grant Requirements

Summary of Louisiana BEACH Program's Fulfillment of USEPA's BEACH Grant Requirements

USEPA established nine performance criteria that eligible coastal or Great Lakes state, tribal, or local governments must meet to receive grants to implement coastal recreation water monitoring and public notification programs under the BEACH Act. Those criteria, together with a summary of how Louisiana has fulfilled each, are provided below.

Category	Performance Criterion	Louisiana's Fulfillment of Criterion
Evaluation and Classification	1. Develop risk-based beach evaluation and classification plan	Identification of factors used to evaluate and rank beaches are provided in Chapter 2 of the *Louisiana's BEACH Grant Final Report, Grant Year 2001* (the "Initial BEACH Report"; LDHH, 2003). More specifically: • Coastal recreation waters are identified in Section 2.1. • Beaches used by the public for water contact activities within coastal recreation waters are identified in Section 2.2. • The original information describing (1) the potential risk to human health presented by pathogens and (2) the use of the beaches is provided in Sections 2.3-2.4 of the Initial Report. Information on the prior year's water quality and projected level of use for each beach monitored under the Program are provided in Chapter 2 of the Program's annual report. • EPA is notified annually of any change in beach rankings and other program changes in Chapter 2 of the Program's annual report.
Monitoring	2. Develop tiered monitoring plan	• Chapter 3 of the Initial BEACH Report describes the Program's monitoring plan, addressing the frequency and location of beach monitoring, and assessment criteria. • Chapter 2 of the Initial BEACH Report describes periods of recreational use of the waters, and nature and extent of use during certain periods. • Sample stations were established based on spatial use patterns as described in Chapter 2 of the Initial BEACH Report, adjusted for the proximity to known point and nonpoint sources of pollution. • Section 3.1 of the Initial BEACH Report outlines the Program's quality control plan, which is described more completely in the Program's current Quality Assurance Project Plan (QAPP).
	3. Monitoring report submission and delegation	The Program reports monitoring data to the public, EPA, and other agencies through timely annual submission of those data to EPA's STORET database. Additionally, the full data set and summaries are provided in the Program's Annual Report.

	4. Methods and assessment procedures	Methods for detecting levels of pathogen indicators in coastal recreation areas are described in Section 3.3 of the Initial BEACH Report and the QAPP.
Public Notification and Prompt Risk Communication	5. Public notification and risk communication plan	Measures to notify the public, EPA, and local governments when indicator bacteria levels exceed a water quality standard are provided in Chapter 4 of the Initial BEACH Report.
	6. Measures to notify EPA and local governments	Measures to notify local governments and EPA when water quality standards are exceeded are provided in Chapter 4 of the Initial BEACH Report. The Program submits notification data and actions taken to notify the public to EPA's PRAWN database annually.
	7. Measures to notify the public	Measures to notify the public when water quality standards are exceeded are provided in Chapter 4 of the Initial BEACH Report. Upon observing an exceedance of beach advisory criteria, the Program immediately issues a public notification or resamples for bacterial exceedance of a water quality standard in accordance with the QAPP. The notification is placed on the Program's website, and signs posted at each station are changed to indicate that an advisory is in effect.
	8. Notification report submission and delegation	• EPA and local governments are notified annually of any notification plan changes and any delegation of responsibilities in the Program's annual work plan. • The Program reports actions taken to notify the public when water quality standards are exceeded in its annual PRAWN submission and in the Program's annual report.
Public Evaluation	9. Public evaluation of program	The Initial BEACH Report and all subsequent annual reports have been made available to the public for review and comment. The Program publishes a public notice informing the public of the availability of the annual report and the duration of the comment period, and the report is made available on the Program's website.