

# Protection Island

## Annual Shellfish Growing Area Review



Prepared By: Tim Jahraus

Area: Protection Island

Year Ending: December 31, 2022

Classification: Approved

### Activities in the Growing Area in 2022

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A routine shoreline survey was conducted, and no Direct or Indirect Impacts were identified.

### Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. This summary shows that all stations pass the NSSP water quality standard.

### Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating that the area has new sources of pollution.

### Classification Status

- Well within the classification standards
- Meets standards, but some concerns
- Meets standards, but threatened with downgrade in classification
- Fails to meet current classification standards

### Remarks and Recommendations

Table 1 shows that all stations meet the NSSP water quality standard for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) for the Protection Island Growing Area**

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
42	Approved	2/27/2018 - 12/13/2022	1.7 - 2.0	1.7	1.8	Y
43	Approved	2/27/2018 - 12/13/2022	1.7 - 1.7	1.7	1.7	Y
183	Approved	2/27/2018 - 12/13/2022	1.7 - 2.0	1.7	1.8	Y
184	Approved	2/27/2018 - 12/13/2022	1.7 - 1.7	1.7	1.7	Y
185	Approved	2/27/2018 - 12/13/2022	1.7 - 2.0	1.7	1.8	Y
68	Unclassified	2/27/2018 - 12/13/2022	1.7 - 2.0	1.7	1.8	Y
69	Unclassified	2/27/2018 - 12/13/2022	1.7 - 2.0	1.7	1.8	Y
70	Unclassified	11/14/2017 - 12/13/2022	1.7 - 1.7	1.7	1.7	Y
71	Unclassified	2/27/2018 - 12/13/2022	1.7 - 6.8	1.9	2.7	Y

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Protection Island Growing Area

