

# Alden Bank

## Annual Shellfish Growing Area Review

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Area: Alden Bank

Year Ending: December 31, 2021

Classification: Approved, Restricted, Prohibited

### Activities in the Growing Area in 2021

Marine water stations 32 and 33, located in the Approved portion of the growing area, were sampled two times using the Adverse Pollution Condition (APC) criteria. This area is in Remote status. Marine water stations 403, 404, 405, 406, and 427 were sampled six times. These stations are sampled using the Systematic Random Sampling (SRS) criteria. There is an approved relay from the Restricted portion of the growing area to the Shoal Bay Growing Area for scallop harvest. During 2021, approximately 60 acres were changed from unclassified to Approved, including the subtidal Point Thompson Geoduck Tract (#99999) and marine stations 403, 404, 405 and 406.

### Analytical Results of Water Samples

Tables 1 and 2 summarize the results of the samples collected from the area. The water quality results from these stations are currently meeting the NSSP water quality standard; however, Station 427 does not have the required number of samples for classification.

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

We currently have no information indicating that the area has any 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 and 2 shows that the stations meet the NSSP water quality standard for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (APC) for the Alden Bank 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)	% of Samples >43 FC/100mL	Meets Standard
32	Approved	12/4/2008 - 8/17/2021	1.7 - 2.0	1.7	0.00	Y
33	Approved	12/4/2008 - 8/17/2021	1.7 - 2.0	1.7	0.00	Y

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms / 100 mL with not more than 10 percent greater than 43 organisms / 100 mL. The above table shows bacteriological results in relation to program standards.

**TABLE 2. Summary of Marine Water Data (SRS) for the Alden Bank 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
403	Approved	9/14/2016 - 12/14/2021	1.7 - 4.5	1.8	2.5	Y
404	Approved	9/14/2016 - 12/14/2021	1.7 - 4.5	1.8	2.5	Y
405	Approved	9/14/2016 - 12/14/2021	1.7 - 2.0	1.8	1.9	Y
406	Approved	9/14/2016 - 12/14/2021	1.7 - 130.0	2.1	6.0	Y
427	Unclassified	10/23/2019 - 12/14/2021	1.7 - 2.0	1.7	1.9	*N/A

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.

\* N/A – SRS criteria require a minimum of 30 samples from each station.

