

Alden Bank

Annual Shellfish Growing Area Review



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Area: Alden Bank

Year Ending: December 31, 2019

Classification: Approved, Restricted, Prohibited

Activities in the Growing Area in 2019

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, and 406 were sampled six times and have 22 samples in their dataset. Marine station 427 was added during 2019 and has been sampled twice. 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.

A routine shoreline survey of the growing area was completed and no Direct or Indirect Impacts were identified.

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, stations 403, 404, 405, 406, and 427 do 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 shows that the stations meet the NSSP water quality standards for an Approved classification and the area is correctly classified. Table 2 shows that the stations in the table are currently meeting NSSP standard; however, these stations do not have the required number of samples for an Approved classification.

TABLE 1. Summary of Marine Water Data (APC) 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	6/12/2008 - 10/23/2019	1.7 - 2.0	1.7	0.00	Y
33	Approved	6/12/2008 - 10/23/2019	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) 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 th Percentile (FC/100mL)	Meets Standard
403	Unclassified	3/29/2016 - 12/11/2019	1.7 - 4.5	1.8	2.3	*N/A
404	Unclassified	3/29/2016 - 12/11/2019	1.7 - 4.0	1.8	2.3	*N/A
405	Unclassified	3/29/2016 - 12/11/2019	1.7 - 2.0	1.8	1.9	*N/A
406	Unclassified	3/29/2016 - 12/11/2019	1.7 - 130.0	2.1	6.8	*N/A
427	Unclassified	10/23/2019 - 12/11/2019	1.7 - 2.0	1.8	2.1	*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.

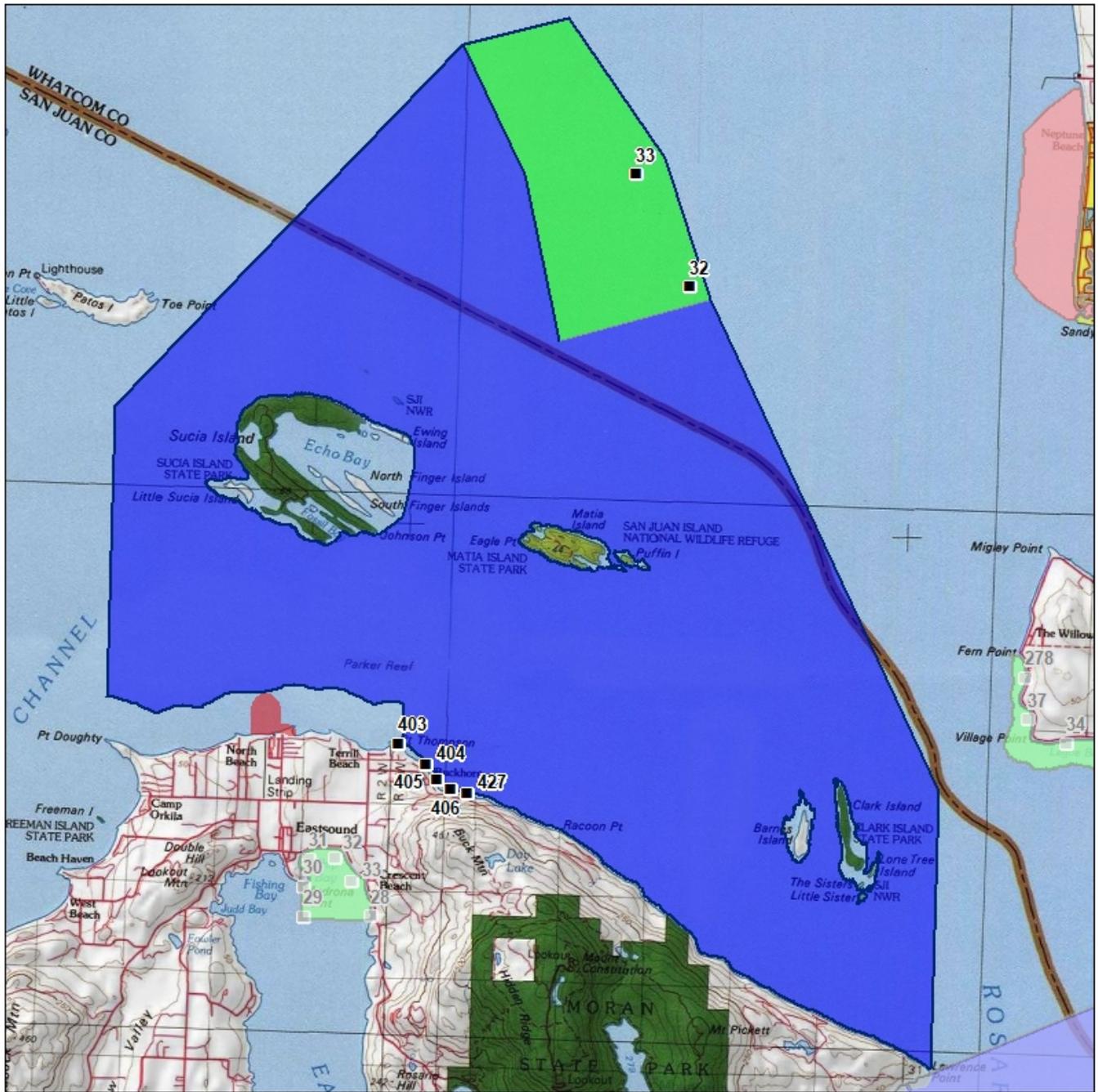
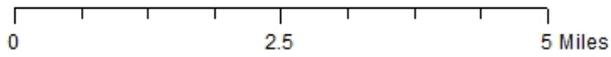
* N/A – SRS criteria require a minimum of 30 samples from each station.

MAP 1. Alden Bank Growing Area

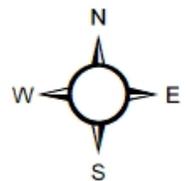
 Alden Bank

Washington State Department of **Health**

Date Updated: 1/24/2020



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



* Some sampling stations are highlighted with grey box for ease of reading.