

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Clyde Bill
AREA: Alden Bank
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved

Activities in the Growing Area in 2011

Alden Bank was sampled two times using the Systematic Random Sampling (SRS) method. Alden Bank is in Remote status which requires a minimum of two samples per year. The growing area map boundaries were adjusted in 2011 to match actual sub-tidal Geoduck tract boundaries.

Analytical Results of Water Samples

Table 1 summarizes the results of the 30 most recent samples collected from the area. This summary shows that Alden Bank passes NSSP water quality standards for an Approved classification.

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 NSSP water quality standards for an Approved classification and that Alden Bank is correctly classified.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **ALDEN BANK**

Classification: **Approved**

From **01/22/2004** To **09/20/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
32	Approved	30	1.7 - 2.0	1.7	1.0	Yes
33	Approved	30	1.7 - 2.0	1.7	1.0	Yes

All tides information is presented

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



Map created with **TOPIC** ©2008 National Geographic

