

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF SHELLFISH AND WATER PROTECTION**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Mark Toy, Environmental Engineer

AREA: Mystery Bay

YEAR ENDING: December 31, 2011

CLASSIFICATION: Approved, Conditionally Approved

ACTIVITIES IN THE GROWING AREA IN 2011:

Samples were collected from the growing area six times during the year using the Systematic Random Sampling method. The Conditionally Approved area was closed from May 1 through September 30 in accordance with the management plan and was sampled three times while in open status. The 'Mystery Bay Management Plan' (<http://www.ora.wa.gov/regulatory/default.asp>) was finalized and signed by major stakeholders in 2011. Signage and marker buoys to direct transient moorage away from commercial shellfish beds and to the designated area at Mystery Bay State Park were also installed.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table 1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area 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 a downgrade in classification
- Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table 1 shows that all stations meet the NSSP water quality standards for Approved and Conditionally Approved classifications and the area is correctly classified.

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF SHELLFISH AND WATER PROTECTION**

ANNUAL GROWING AREA REVIEW

MANAGEMENT PLAN EVALUATION:

1. Have all parties involved complied with the conditions in the management plan..... Yes
2. Has reporting been adequate to manage the conditional area..... Yes
3. Does the area consistently meet approved area criteria when it is open for harvest..... Yes
4. Has a field inspection of critical pollution sources been conducted Yes

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: MYSTERY BAY

Classification: **Approved,Conditionally Approved**

From **02/21/2007** To **11/09/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
27	Approved	30	1.7 - 7.8	2.0	3.0	Yes
28	Approved	30	1.7 - 7.8	1.9	3.0	Yes
29	Approved	30	1.7 - 13.0	2.0	3.0	Yes
30	Approved	30	1.7 - 17.0	2.0	3.0	Yes
31	Conditionally Approved	30	1.7 - 4.0	1.8	2.0	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 1: Mystery Bay Growing Area

