

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

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Quilcene Bay

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Prohibited, Conditionally Approved, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2008:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. The "conditionally approved" portion of the growing area, surrounding the boat basin, was closed to harvest from 5/1/08 to 10/1/08 in accordance with the conditional area management plan. The area was sampled 4 times during the open period. As recommended in the 2007 shoreline survey report, the Department sampled Indian George Creek for fecal coliform bacteria. It was determined from the sampling results and loading rate data that no closure zone was necessary around this discharge.

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 classification and the area is correctly classified.

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MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:

1. Have all parties involved complied with the conditions in the management planYes
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 harvestYes
4. Has a field inspection of critical pollution sources been conducted..... Yes

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **QUILCENE BAY**

Classification: **Approved,Unclassified,Conditionally Approved**

From **01/14/2004** To **11/18/2008**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
115	Approved	30	1.7 - 79.0	3.0	12.0	Yes
116	Approved	30	1.7 - 79.0	3.0	12.0	Yes
117	Approved	30	1.7 - 22.0	2.9	8.0	Yes
118	Approved	30	1.7 - 13.0	2.3	4.0	Yes
119	Approved	30	1.7 - 7.8	2.0	3.0	Yes
123	Approved	30	1.7 - 13.0	2.3	5.0	Yes
120	Unclassified	30	1.7 - 79.0	3.3	13.0	Yes
308	Unclassified	17	1.7 - 17.0	2.3	5.0	*N/A
114	Conditionally Approved	30	1.7 - 79.0	3.5	15.0	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.

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

† All samples have been verified.



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