

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Kelly Curtis, Environmental Specialist
AREA: Quilcene Bay
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Unclassified, Conditionally Approved, Prohibited

Activities In The Growing Area In 2011

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 May 1st through September 30th in accordance with the Conditionally Approved Area Management Plan. The area was sampled 4 times during the open period. Station 114 was adjusted slightly east, from inside the Prohibited boundary to monitor the Conditionally Approved area. During the September salmon fishing season, 560 acres of the Approved portion of the bay closed for 15 days due to accumulations of human waste and garbage along the banks of the Big Quilcene River.

Analytical Results Of Water Samples

Table 1 summarizes the results of the last 30 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 downgrade in classification
- Fails to meet current classification standards

Remarks and Recommendations

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

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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: **QUILCENE BAY**

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

From **12/05/2006** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
115	Approved	31	1.7 - 17.0	2.4	5.0	Yes
116	Approved	31	1.7 - 27.0	2.3	5.0	Yes
117	Approved	31	1.7 - 13.0	2.1	4.0	Yes
118	Approved	31	1.7 - 23.0	2.3	5.0	Yes
119	Approved	31	1.7 - 6.8	2.0	3.0	Yes
123	Approved	30	1.7 - 70.0	2.2	6.0	Yes
308	Approved	31	1.7 - 13.0	2.1	4.0	Yes
312	Approved	9	1.7 - 4.5	2.6	5.0	*N/A
120	Unclassified	31	1.7 - 49.0	2.5	6.0	Yes
114	Conditionally Approved	31	1.7 - 49.0	2.4	6.0	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.

Quilcene Bay 03/03/11

