

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

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Port Townsend

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Prohibited, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2008:

Samples were collected from the growing area 6 times during the year using the systematic random sampling method. A portion of the growing area at the north end of Marrowstone Island was classified as Approved during the year. A portion of the Approved area near Hadlock was placed in a closed status awaiting a determination of the status of a mooring area. An evaluation of the Port of Port Townsend Marina was completed during 2008 resulting in a prohibited zone in the area.

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 approved portion 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. Chimacum Creek, which discharges near sampling station #32, is on the 303D list for fecal coliform.

TABLE 1

From 09/24/2003 To 12/11/2008
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
33	Approved	32	1.7 - 23.0	2.8	7.0	Yes
34	Approved	32	1.7 - 4.5	1.7	2.0	Yes
35	Approved	32	1.7 - 4.0	1.8	2.0	Yes
44	Approved	30	1.7 - 350.0	3.2	16.0	Yes
45	Approved	32	1.7 - 2.0	1.7	1.0	Yes
176	Approved	31	1.7 - 17.0	2.0	3.0	Yes
179	Approved	32	1.7 - 14.0	2.0	3.0	Yes
180	Approved	32	1.7 - 11.0	1.9	3.0	Yes
181	Approved	31	1.7 - 2.0	1.7	1.0	Yes
38	Prohibited	32	1.7 - 7.8	2.0	3.0	Yes
39	Prohibited	32	1.7 - 33.0	2.8	8.0	Yes
177	Prohibited	32	1.7 - 170.0	4.0	20.0	Yes
178	Prohibited	32	1.7 - 17.0	2.3	4.0	Yes
32	Unclassified	32	1.7 - 13.0	2.2	5.0	Yes
40	Unclassified	32	1.7 - 1,600.0	3.8	24.0	Yes
41	Unclassified	24	1.7 - 4.5	1.7	2.0	*N/A
46	Unclassified	1	1.7 - 1.7	1.7	1.0	*N/A
186	Unclassified	21	1.7 - 13.0	2.4	5.0	*N/A
187	Unclassified	21	1.7 - 11.0	2.5	5.0	*N/A
188	Unclassified	21	1.7 - 70.0	2.2	6.0	*N/A
191	Unclassified	4	1.7 - 11.0	2.7	8.0	*N/A

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. *



