

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

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Jerry Lukes, Environmental Specialist

**AREA:** Port Madison

**YEAR ENDING:** December 31, 2008

**CLASSIFICATION:** Approved, Prohibited, Restricted, 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. An evaluation of the Suquamish WWTP was conducted during 2008. The potential for a significant reduction of the closure zone could result from this evaluation pending satisfactory results. DOH also reviewed a proposal to extend the outfall at Messenger House WWTP. A portion of the growing area at Point Monroe was upgraded from Unclassified to Restricted. The growing area was closed 186 days during the year due to elevated biotoxin levels.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Tables #1 and #2 summarize the results of all samples collected from the area. These summaries 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.

## TABLE 1

### SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **PORT MADISON**

Classification: **Approved, Prohibited**

From **09/23/2003** To **12/10/2008**

### FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
510	Approved	32	1.7 - 17.0	2.7	7.0	Yes
511	Approved	32	1.3 - 23.0	2.5	6.0	Yes
512	Approved	33	1.7 - 11.0	2.1	4.0	Yes
513	Approved	32	1.7 - 7.8	2.0	3.0	Yes
514	Approved	32	1.7 - 4.5	1.8	2.0	Yes
515	Approved	32	1.7 - 49.0	2.4	6.0	Yes
516	Approved	32	1.7 - 79.0	2.7	8.0	Yes
517	Approved	30	1.7 - 13.0	2.0	3.0	Yes
518	Approved	32	1.7 - 6.8	1.8	2.0	Yes
519	Approved	32	1.7 - 4.5	1.8	2.0	Yes
520	Approved	32	1.7 - 4.5	1.7	2.0	Yes
521	Approved	31	1.7 - 13.0	2.0	4.0	Yes
522	Approved	32	1.7 - 14.0	1.8	3.0	Yes
509	Prohibited	31	1.7 - 17.0	2.4	5.0	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.

## TABLE 2

### SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **PORT MADISON**

Classification: **Approved**

From **08/09/2004** To **12/10/2008**

### FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
602	Approved	36	1.7 - 7.8	2.0	3.0	Yes
638	Approved	30	1.7 - 6.8	1.9	3.0	Yes
648	Approved	36	1.7 - 17.0	3.3	9.0	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.



