

**Washington State Department of Health
Office of Shellfish and Water Protection**

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Quartermaster Harbor
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited

Activities In The Growing Area in 2011

Quartermaster Harbor was sampled six times using the Systematic Random Sampling method.

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 have no new information regarding pollution sources in Quartermaster Harbor.

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

The area is correctly classified.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **QUARTERMASTER HARBOR**

Classification: **Approved,Unclassified,Prohibited**

From **01/24/2007** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
361	Approved	30	1.7 - 7.8	1.9	3.0	Yes
362	Approved	30	1.7 - 23.0	2.4	5.0	Yes
363	Unclassified	30	1.7 - 23.0	2.4	6.0	Yes
364	Approved	30	1.7 - 13.0	2.1	4.0	Yes
365	Approved	30	1.7 - 17.0	2.4	6.0	Yes
366	Approved	30	1.7 - 33.0	2.2	5.0	Yes
367	Approved	30	1.7 - 23.0	2.6	7.0	Yes
368	Approved	30	1.7 - 7.8	2.1	4.0	Yes
369	Approved	30	1.7 - 13.0	2.3	5.0	Yes
371	Prohibited	30	1.7 - 49.0	3.4	11.0	Yes
372	Prohibited	30	1.7 - 49.0	2.3	6.0	Yes
373	Approved	30	1.7 - 79.0	3.2	12.0	Yes
630	Prohibited	31	1.7 - 13.0	2.1	4.0	Yes
631	Prohibited	31	1.7 - 33.0	2.5	6.0	Yes
632	Prohibited	30	1.7 - 13.0	2.1	4.0	Yes
688	Prohibited	32	1.7 - 240.0	2.8	13.0	Yes
689	Prohibited	32	1.7 - 4.0	1.8	2.0	Yes
690	Prohibited	32	1.7 - 240.0	2.5	9.0	Yes
691	Prohibited	32	1.7 - 79.0	3.0	11.0	Yes
692	Prohibited	32	1.7 - 240.0	2.8	12.0	Yes
693	Prohibited	32	1.7 - 79.0	2.5	7.0	Yes
771	Approved	10	1.7 - 7.8	1.9	3.0	*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. *



Map created with TOPOCON © 2006 National Geographic



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

Dash Point Lighthouse

TN 17 1/2
06/09/10