

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Laura A. White, R.S., Public Health Advisor

AREA: Bainbridge South

YEAR ENDING: December 31, 2011

CLASSIFICATION: Approved, Prohibited, Unclassified

Activities In The Growing Area In Current Year

Marine water samples were collected from each station in the growing area seven times during the year using the Systematic Random Sampling method. The required sampling frequency was met in the growing area.

Analytical Results Of Water Samples

All stations meet NSSP standards for an Approved classification. Station 461 is located in an Unclassified portion of the growing area and represents the water quality of the neighboring recreational shellfish beach.

Change In Actual Pollution Sources That Impact The Growing Area

We currently have no water quality 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 About Classification Status

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

Recommendations

The area is correctly classified and should remain classified as Approved.

Table 1
Summary of Marine Water Data (SRS)
Growing Area: Bainbridge South
Classification: Approved, Prohibited, Unclassified

Fecal Coliform Organisms/100 ml							
Station	Sample Date Range	Classification	Number of Samples	Range	Geometric Mean	Est. 90 th Percentile	Meets Std.
461	4/13/2006 – 11/02/2011	Unclassified	30	<1.8 - 110	2.4	7.0	Yes
711	5/7/2008 – 11/2/2011	Approved	30	<1.8 – 4.5	1.7	2.0	Yes
712	5/7/2008 – 11/2/2011	Approved	30	<1.8 – 7.8	1.8	2.0	Yes
713	5/7/2008 – 11/2/2011	Approved	30	<1.8 – 4.5	1.8	2.0	Yes
714	5/7/2008 – 11/2/2011	Approved	30	<1.8 – 23	2.0	4.0	Yes
715	5/7/2008 – 11/2/2011	Approved	30	<1.8 – 1.9	1.9	2.0	Yes

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 for each station.

