

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Ann Harvey
AREA: Kingston
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited

Activities In The Growing Area In Current Year

Samples were collected from the growing area six times during the year 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 Approved 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 About Classification Status

Table 1 shows that all stations classified as Approved 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**. The closure zone at Stations 746 and 747 should be reassessed after 30 marine water samples have been collected at each station.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **KINGSTON**

Classification: **Approved, Prohibited**

From **01/18/2007** To **02/08/2012**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
531	Approved	32	1.7 - 4.5	1.8	2.0	Yes
532	Approved	31	1.7 - 13.0	1.9	3.0	Yes
533	Approved	30	1.7 - 31.0	1.8	3.0	Yes
534	Approved	31	1.7 - 33.0	2.0	4.0	Yes
535	Approved	32	1.7 - 17.0	2.1	4.0	Yes
536	Approved	31	1.7 - 13.0	1.9	3.0	Yes
537	Approved	31	1.7 - 4.5	1.9	2.0	Yes
538	Approved	30	1.7 - 7.8	2.1	3.0	Yes
539	Approved	31	1.7 - 4.5	1.8	2.0	Yes
540	Approved	31	1.7 - 7.8	1.8	2.0	Yes
541	Approved	31	1.7 - 13.0	1.8	3.0	Yes
542	Approved	31	1.7 - 4.5	1.8	2.0	Yes
543	Approved	31	1.7 - 2.0	1.7	1.0	Yes
544	Approved	31	1.7 - 2.0	1.7	1.0	Yes
545	Approved	31	1.7 - 4.0	1.7	2.0	Yes
746	Prohibited	24	1.7 - 2.0	1.7	1.0	*N/A
747	Prohibited	24	1.7 - 4.5	1.9	2.0	*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. *

† All samples have been verified.

Kingston Shellfish Growing Area

