

**Washington State Department of Health  
Office of Environmental Health and Safety**

**Annual Growing Area Review**

**PREPARED BY:** Laura A. White, R.S.  
**AREA:** Harstine East  
**YEAR ENDING:** December 31, 2015  
**CLASSIFICATION:** Approved, Prohibited

**Activities In The Growing Area in 2015**

The growing area was sampled six times using the Systematic Random Sampling method. A shoreline survey of the growing area is in progress. No additional activities have been documented in the growing area.

**Analytical Results Of Water Samples**

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. This summary shows that all stations pass the NSSP water quality standard.

**Change In Actual Pollution Sources That Impact The Growing Area**

We currently have no information indicating that the growing 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 and Recommendations**

The following table shows that all stations in the growing area meet NSSP water quality standards for an Approved classification and the area is correctly classified.

**TABLE 1**  
**Summary of Marine Water Data (SRS)**  
**Growing Area: Harstine East**

Sampling Event Type: Regulatory  
Maximum Number of Samples: 30

Tides Included: ALL

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	E90th (FC/100 mL)	Meets Standard
43	Approved	2/23/2011 - 12/1/2015	1.7 - 11.0	2.4	4.7	Y
44	Approved	2/23/2011 - 12/1/2015	1.7 - 33.0	2.0	4.1	Y
45	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	1.9	2.8	Y
46	Approved	2/23/2011 - 12/1/2015	1.7 - 79.0	2.0	5.1	Y
47	Approved	2/23/2011 - 12/1/2015	1.7 - 4.5	1.8	2.3	Y
49	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	1.9	2.8	Y
51	Approved	2/23/2011 - 12/1/2015	1.7 - 4.5	1.8	2.3	Y
216	Approved	2/23/2011 - 12/1/2015	1.7 - 13.0	2.2	4.8	Y
217	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	1.9	2.8	Y
218	Approved	1/11/2006 - 12/16/2010	1.7 - 23.0	2.0	4.2	Y
219	Approved	2/23/2011 - 12/1/2015	1.7 - 2.0	1.7	1.9	Y
220	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	2.0	3.1	Y
221	Approved	12/16/2010 - 12/1/2015	1.7 - 17.0	2.0	3.7	Y
582	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	1.9	2.8	Y
594	Approved	7/6/2010 - 12/1/2015	1.7 - 33.0	2.8	8.2	Y
634	Approved	4/11/2011 - 12/1/2015	1.7 - 17.0	1.9	3.2	Y
635	Approved	12/16/2010 - 12/1/2015	1.7 - 13.0	1.9	3.4	Y
664	Approved	2/23/2011 - 12/1/2015	1.7 - 23.0	2.0	4.3	Y
677	Approved	2/23/2011 - 12/1/2015	1.7 - 7.8	1.9	2.8	Y
781	Approved	2/23/2011 - 12/1/2015	1.7 - 130.0	2.0	5.5	Y
851	Unclassified	11/5/2014 - 12/1/2015	1.7 - 4.5	2.0	3.0	*N/A

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms / 100 mL with an estimated 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 1 – Harstine East Growing Area

