

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

Annual Growing Area Review

PREPARED BY: Kelly Curtis
AREA Hood Canal 5
YEAR ENDING: December 31, 2015
CLASSIFICATION: Approved, Unclassified

Activities In The Growing Area in 2015

Samples were collected six times from the growing area during the year using the Systematic Random Sampling method. The growing area was temporarily closed due to a Norovirus outbreak associated with oyster harvest. Kitsap Public Health District and Mason County Health Department both received National Estuary Program funds to complete pollution identification and correction work in the Hood Canal 5 region.

Analytical Results Of Water Samples

Table 1 summarizes a minimum of 30 of the most recent samples collected from each of the sampling stations. This summary shows that all stations in the area pass the NSSP water quality standard. Station 186 in Lilliwaup Bay is in the Concerned status with an estimated 90th percentile of 23 fc/100mL.

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 and Recommendations

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

Table 1. Summary of Marine Water Data (SRS)

Sampling Event Type: Regulatory

Tides Included: ALL

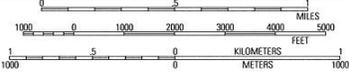
Maximum Number of Samples: 30

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	E90th (FC/100 mL)	Meets Standard
167	Approved	3/1/2011 - 11/12/2015	1.7 - 23.0	2.2	4.9	Y
168	Approved	9/27/1989 - 12/15/1993	1.8 - 240.0	2.5	8.1	Y
169	Approved	3/1/2011 - 11/12/2015	1.7 - 33.0	3.3	10.8	Y
170	Approved	7/5/2011 - 11/12/2015	1.7 - 17.0	2.1	4.5	Y
172	Approved	7/5/2011 - 11/12/2015	1.7 - 7.8	2.0	3.4	Y
173	Approved	3/1/2011 - 11/12/2015	1.7 - 13.0	1.9	3.2	Y
174	Approved	3/1/2011 - 11/12/2015	1.7 - 17.0	1.9	3.6	Y
175	Approved	3/1/2011 - 11/12/2015	1.7 - 13.0	2.0	3.3	Y
176	Approved	3/1/2011 - 11/12/2015	1.7 - 49.0	2.2	5.8	Y
177	Approved	3/1/2011 - 11/12/2015	1.7 - 13.0	2.6	6.4	Y
178	Approved	3/1/2011 - 11/12/2015	1.7 - 22.0	2.4	5.7	Y
179	Approved	3/1/2011 - 11/12/2015	1.7 - 4.5	1.8	2.3	Y
180	Approved	3/1/2011 - 11/12/2015	1.7 - 7.8	2.0	3.4	Y
181	Approved	1/12/2011 - 11/12/2015	1.7 - 23.0	2.3	5.9	Y
182	Approved	3/1/2011 - 11/12/2015	1.7 - 33.0	3.0	9.9	Y
183	Approved	3/1/2011 - 11/12/2015	1.7 - 17.0	2.0	3.7	Y
184	Approved	3/1/2011 - 11/12/2015	1.7 - 33.0	3.1	10.2	Y
185	Approved	3/1/2011 - 11/12/2015	1.7 - 49.0	3.5	12.4	Y
187	Approved	3/1/2011 - 11/12/2015	1.7 - 22.0	2.2	5.2	Y
188	Approved	3/1/2011 - 11/12/2015	1.7 - 33.0	2.4	5.6	Y
189	Approved	3/1/2011 - 11/12/2015	1.7 - 17.0	2.5	6.4	Y
190	Approved	3/1/2011 - 11/12/2015	1.7 - 7.8	2.2	4.2	Y
191	Approved	3/1/2011 - 11/12/2015	1.7 - 17.0	2.2	4.7	Y
193	Approved	3/1/2011 - 11/12/2015	1.7 - 130.0	2.8	9.5	Y
194	Approved	3/1/2011 - 11/12/2015	1.7 - 7.8	1.9	3.0	Y
303	Approved	3/1/2011 - 11/12/2015	1.7 - 22.0	3.0	7.9	Y
310	Approved	3/1/2011 - 11/12/2015	1.7 - 7.8	2.0	3.3	Y
186	Unclassified	3/1/2011 - 11/12/2015	1.7 - 79.0	5.7	23.0	Y

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.



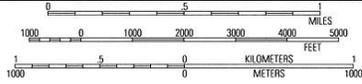
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