

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

Annual Growing Area Review

PREPARED BY: Trevor Swanson
AREA: Samish Bay
YEAR ENDING: December 31, 2015
CLASSIFICATION: Approved, Conditionally Approved, Prohibited, Unclassified

Activities in the Growing Area in 2015

The Samish Bay Growing Area was sampled 10 times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Approved portion of the growing area was expanded to include the area around Station 358. The Conditionally Approved portion of the growing area was closed 14 times for a total of 40 days due to the Samish River exceeding river rise criteria. All of the bay was closed twice for 13 days due to flooding on the Samish River. Skagit County received EPA National Estuary Program funding for work in the Samish Bay watershed. The Clean Samish Initiative group continues to work to find and fix pollution sources in the area.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. The dataset includes two sample events from closed periods. All stations meet NSSP criteria for their respective classifications. Station 94 has a Concerned status.

Change in Actual Pollution Sources that Impact the Growing Area

There is no information indicating the area has any 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 area is correctly classified.

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Management Plan Evaluation:

1. Have all parties involved complied with the conditions of the management plan..... Yes
2. Has reporting been adequate to manage the conditional area..... Yes
3. Does the area consistently meet approved area criteria when it is open for harvest..... Yes
4. Has a field inspection of critical pollution sources been conducted..... Yes

TABLE 1
Summary of Marine Water Data (SRS)
Growing Area: Samish Bay

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
76	Approved	12/18/2012 - 12/16/2015	1.7 - 130.0	3.3	14.1	Y
77	Approved	1/9/2013 - 12/16/2015	1.7 - 79.0	2.5	7.7	Y
84	Approved	1/9/2013 - 12/16/2015	1.7 - 46.0	2.4	6.4	Y
273	Approved	11/15/2012 - 12/16/2015	1.7 - 70.0	2.4	7.5	Y
358	Approved	1/9/2013 - 12/16/2015	1.7 - 49.0	2.3	6.1	Y
363	Approved	3/20/2013 - 12/16/2015	1.7 - 13.0	2.1	4.1	Y
71	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 33.0	2.2	5.5	Y
78	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 49.0	2.4	6.7	Y
79	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 33.0	2.9	10.4	Y
80	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 23.0	3.1	9.5	Y
81	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 79.0	3.7	15.9	Y
82	Conditionally Approved	12/18/2012 - 12/16/2015	1.7 - 240.0	3.9	19.8	Y
85	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 33.0	2.9	8.7	Y
86	Conditionally Approved	12/18/2012 - 12/16/2015	1.7 - 23.0	2.3	5.2	Y
87	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 13.0	2.9	7.3	Y
90	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 46.0	3.1	10.8	Y
91	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 49.0	3.2	10.3	Y
92	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 17.0	2.2	4.7	Y
94	Conditionally Approved	11/15/2012 - 12/16/2015	1.7 - 170.0	4.2	22.3	Y
322	Conditionally Approved	1/9/2013 - 12/16/2015	1.7 - 70.0	4.6	19.8	Y
361	Conditionally Approved	2/27/2013 - 12/16/2015	1.7 - 23.0	2.1	4.6	Y
362	Conditionally Approved	2/27/2013 - 12/16/2015	1.7 - 23.0	2.2	4.6	Y
364	Conditionally Approved	2/27/2013 - 12/16/2015	1.7 - 11.0	2.0	3.7	Y
83	Prohibited	11/15/2012 - 12/16/2015	1.7 - 170.0	6.0	31.6	Y
88	Prohibited	10/25/2012 - 12/16/2015	1.7 - 130.0	5.2	27.8	Y
89	Prohibited	10/25/2012 - 12/16/2015	1.7 - 130.0	5.1	24.6	Y
310	Unclassified	1/9/2013 - 12/16/2015	1.7 - 33.0	2.4	6.6	Y
311	Unclassified	1/9/2013 - 12/16/2015	1.7 - 7.8	2.1	3.6	Y

The above table shows bacteriological results in relation to NSSP criteria. NSSP standards for approved shellfish growing waters are a fecal coliform geometric mean not greater than 14 organisms/100 mL and an estimated 90th percentile not greater than 43 organisms/100mL.

MAP 1

