

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Samish Bay
YEAR ENDING: December 31, 2011
CLASSIFICATION: Conditionally Approved, Approved, Prohibited, Unclassified

Activities in the Growing Area in 2011

The Samish Bay growing area was sampled 12 times using the Systematic Random Sampling method, all of which occurred while in Open status. The growing area was closed for 47 days due to excessive bacterial loading from the Samish River. Approximately 4,000 acres were downgraded from Approved to Conditionally Approved based on the excessive fecal coliform load from the Samish River. The growing area was closed once for six days due to flooding. Skagit County and the "Storm Team" continue to sample freshwater rivers and streams in the area every two weeks and after storm events. The State Departments of Ecology and Agriculture continue to inspect farms and dairies in the area, respectively. Skagit County continues to inspect on-site septic systems and the Conservation District continues to work with farm owners to reduce fecal pollution.

Analytical Results Of Water Samples

Table 1 summarizes the most recent 30 samples from the Approved area and Table 2 summarizes the most recent 30 samples from the Conditionally Approved area when in Open status. All stations meet NSSP standards for their respective classification.

Change In Actual Pollution Sources That Impact The Growing Area

Pollution source investigations are on-going in the area.

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.

**Washington State Department of Health
Office of Shellfish and Water Protection**

Annual Growing Area Review

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						
FC/100 ml						
Station	Classification	No. of Samples	Range	Geo. Mean	90th Percentile	Meets Standard
71	Conditionally Approved	31	1.7 - 7.8	2.2	4	Yes
76	Approved	31	1.7 - 17.0	2.2	4	Yes
77	Approved	31	1.7 - 7.8	2.1	3	Yes
78	Conditionally Approved	32	1.7 - 11.0	2.1	4	Yes
79	Conditionally Approved	31	1.7 - 23.0	2.4	6	Yes
80	Conditionally Approved	31	1.7 - 33.0	2.7	7	Yes
81	Conditionally Approved	31	1.7 - 22.0	2.7	7	Yes
82	Conditionally Approved	30	1.7 - 17.0	2.7	6	Yes
83	Prohibited	32	1.7 - 33.0	3.4	12	Yes
84	Approved	32	1.7 - 23.0	2.1	4	Yes
85	Conditionally Approved	32	1.7 - 49.0	2.4	7	Yes
86	Conditionally Approved	32	1.7 - 6.8	1.9	2	Yes
87	Conditionally Approved	30	1.7 - 33.0	2.6	7	Yes
88	Prohibited	30	1.7 - 79.0	3.4	13	Yes
89	Prohibited	31	1.7 - 49.0	3.6	16	Yes
90	Conditionally Approved	31	1.7 - 49.0	2.5	7	Yes
91	Conditionally Approved	32	1.7 - 33.0	3.1	9	Yes
92	Conditionally Approved	31	1.7 - 11.0	2.4	5	Yes
273	Approved	30	1.7 - 17.0	2	3	Yes
310	Unclassified	31	1.7 - 140.0	2.1	6	Yes
311	Unclassified	31	1.7 - 170.0	2.2	7	Yes
322	Conditionally Approved	31	1.7 - 33.0	3.5	10	Yes
358	Unclassified	20	1.7 - 4.5	1.8	2	*N/A
361	Conditionally Approved	17	1.7 - 7.8	2	3	*N/A
362	Conditionally Approved	17	1.7 - 2.0	1.7	1	*N/A
363	Approved	17	1.7 - 4.5	1.8	2	*N/A
364	Conditionally Approved	17	1.7 - 7.8	1.9	3	*N/A

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

MAP 1

