

# Birch Bay

## Annual Shellfish Growing Area Review



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Area: Birch Bay

Year Ending: December 31, 2022

Classification: Approved, Prohibited

### Activities in the Growing Area in 2022

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A routine three-year shoreline evaluation was completed. Whatcom County sampled 14 shoreline drainages and evaluated 14 OSS in the watershed. No changes or new pollution sources that impact the growing area were identified.

The Whatcom Clean Water Program, Whatcom County Public Works, and Whatcom Conservation District received National Estuary Program (NEP) funding for coordinating and implementing a pollution identification and control program in the watershed. Washington State Department of Agriculture (WSDA) and Washington State Department of Ecology (Ecology) received NEP funding for enhanced water compliance monitoring and referral and technical assistance, with WSDA focusing on dairies and Ecology addressing nonpoint pollution stemming from nondairy agriculture. Whatcom County Health Department continued to carry out mandatory O&M requirements for on-site septic systems.

### Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. 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 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 standard for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) for the Birch Bay Growing Area**

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
21	Approved	12/13/2017 - 11/15/2022	1.7 - 46.0	2.3	6.7	Y
22	Approved	12/13/2017 - 11/15/2022	1.7 - 79.0	3.1	11.7	Y
24	Approved	12/13/2017 - 11/15/2022	1.7 - 33.0	2.6	7.2	Y
26	Approved	12/13/2017 - 11/15/2022	1.7 - 13.0	2.2	4.6	Y
30	Approved	12/13/2017 - 11/15/2022	1.7 - 7.8	1.9	3.1	Y
365	Approved	12/13/2017 - 11/15/2022	1.7 - 7.8	1.9	2.9	Y
17	Unclassified	12/13/2017 - 11/15/2022	1.7 - 27.0	2.7	7.9	Y
20	Unclassified	12/13/2017 - 11/15/2022	1.7 - 79.0	2.9	9.7	Y
29	Unclassified	12/13/2017 - 11/15/2022	1.7 - 23.0	2.0	4.1	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.

# MAP 1. Birch Bay Growing Area

