

Lummi Bay

Annual Shellfish Growing Area Review



Prepared By: Michael Friese

Area: Lummi Bay

Year Ending: December 31, 2022

Classification: Approved

Activities in the Growing Area in 2022

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A portion of the Lummi Bay Growing Area near Station 42 was closed for 21 days due to a sewage spill.

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. The Whatcom County Health District continued with mandatory O&M requirements for on-site sewage systems in the upper watershed, outside the Lummi Nation's reservation boundary.

Analytical Results of Water Samples

Table 1 summarizes results of the last 30 most recent samples collected from the area. All stations meet the NSSP standards for an Approved classification.

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 Lummi 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 th Percentile (FC/100mL)	Meets Standard
38	Approved	1/11/2018 - 11/1/2022	1.7 - 4.5	1.8	2.2	Y
39	Approved	1/11/2018 - 11/1/2022	1.7 - 4.5	1.8	2.3	Y
40	Approved	1/11/2018 - 11/1/2022	1.7 - 4.0	1.8	2.3	Y
41	Approved	1/11/2018 - 11/1/2022	1.7 - 11.0	2.0	3.5	Y
42	Approved	1/11/2018 - 11/1/2022	1.7 - 23.0	2.4	5.8	Y
43	Approved	1/11/2018 - 11/1/2022	1.7 - 6.8	1.9	2.6	Y
44	Approved	1/11/2018 - 11/1/2022	1.7 - 49.0	3.1	11.4	Y
45	Approved	1/11/2018 - 11/1/2022	1.7 - 49.0	2.3	5.8	Y
285	Approved	1/11/2018 - 11/1/2022	1.7 - 33.0	3.0	9.2	Y
286	Approved	1/11/2018 - 11/1/2022	1.7 - 140.0	3.0	11.9	Y
287	Approved	1/11/2018 - 11/1/2022	1.7 - 17.0	2.0	3.7	Y
288	Approved	1/11/2018 - 11/1/2022	1.7 - 11.0	2.0	3.7	Y

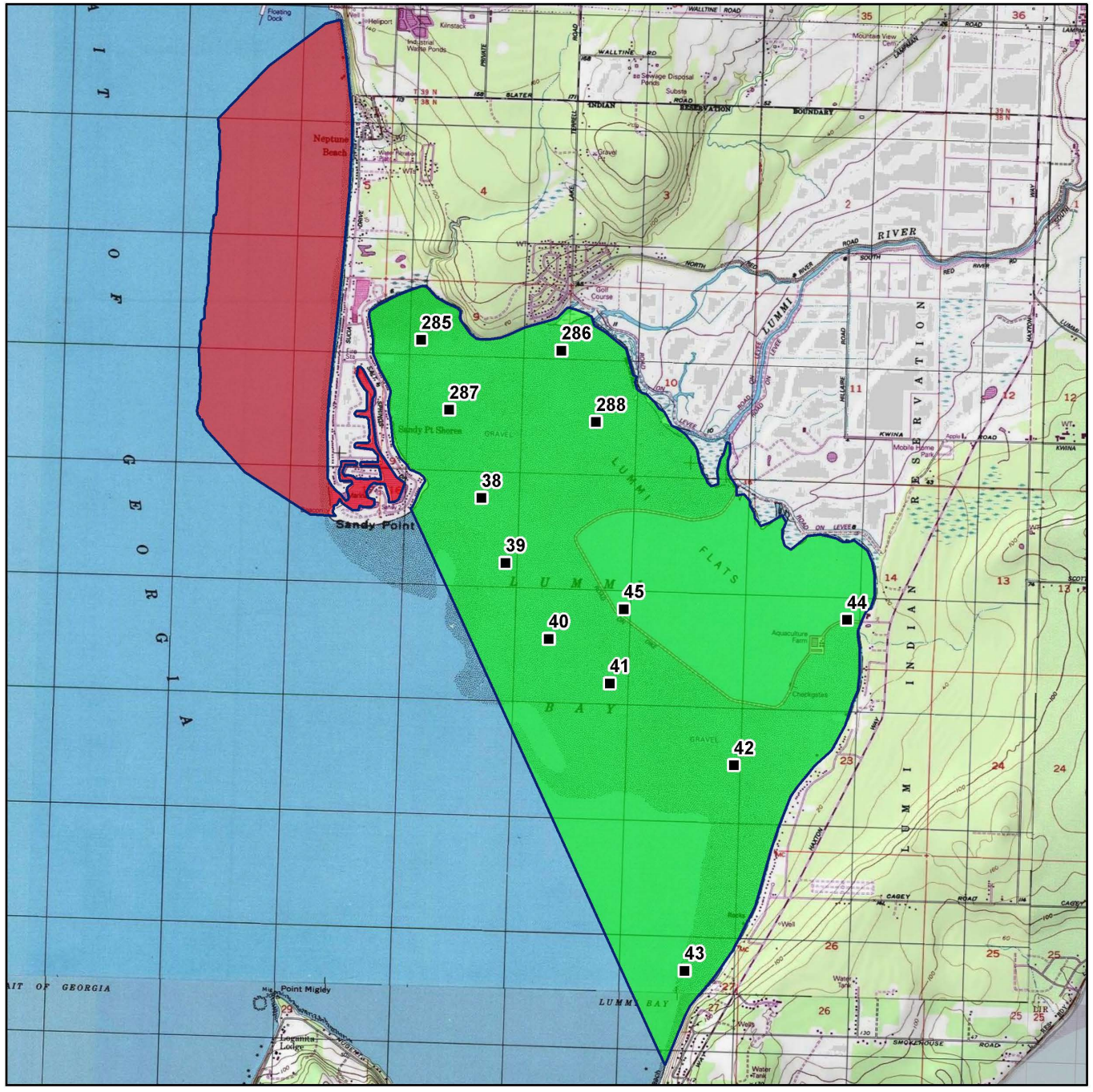
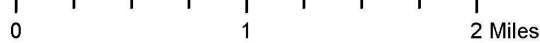
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Lummi Bay Growing Area

Lummi Bay

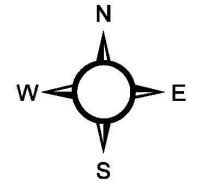


Date Updated: 7/11/2018



- Classification**
- Approved
 - Conditional
 - Prohibited
 - Restricted
 - Unclassified

- Sampling Stations**
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* Some sampling stations are highlighted with grey box for ease of reading.