

# Lummi Bay

## Annual Shellfish Growing Area Review



Prepared By: Fiona Dahl

Area: Lummi Bay

Year Ending: December 31, 2024

Classification: Approved, Prohibited

### Activities in the Growing Area in 2024

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Stations 44 and 45 were only sampled five times due to frozen surface waters in January 2024.

The Whatcom Clean Water Program, Whatcom County Public Works, and Whatcom Conservation District received National Estuary Program (NEP) grant funding for the continuation of pollution identification and correction activities, agricultural technical assistance, education, and outreach. Washington State Department of Agriculture (WSDA) and Washington State Department of Ecology (Ecology) received NEP funding for continuing enhanced water compliance monitoring and referral and technical assistance, with WSDA focusing on dairies and Ecology focusing on nondairy agriculture. The Whatcom County Health District continued 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 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 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

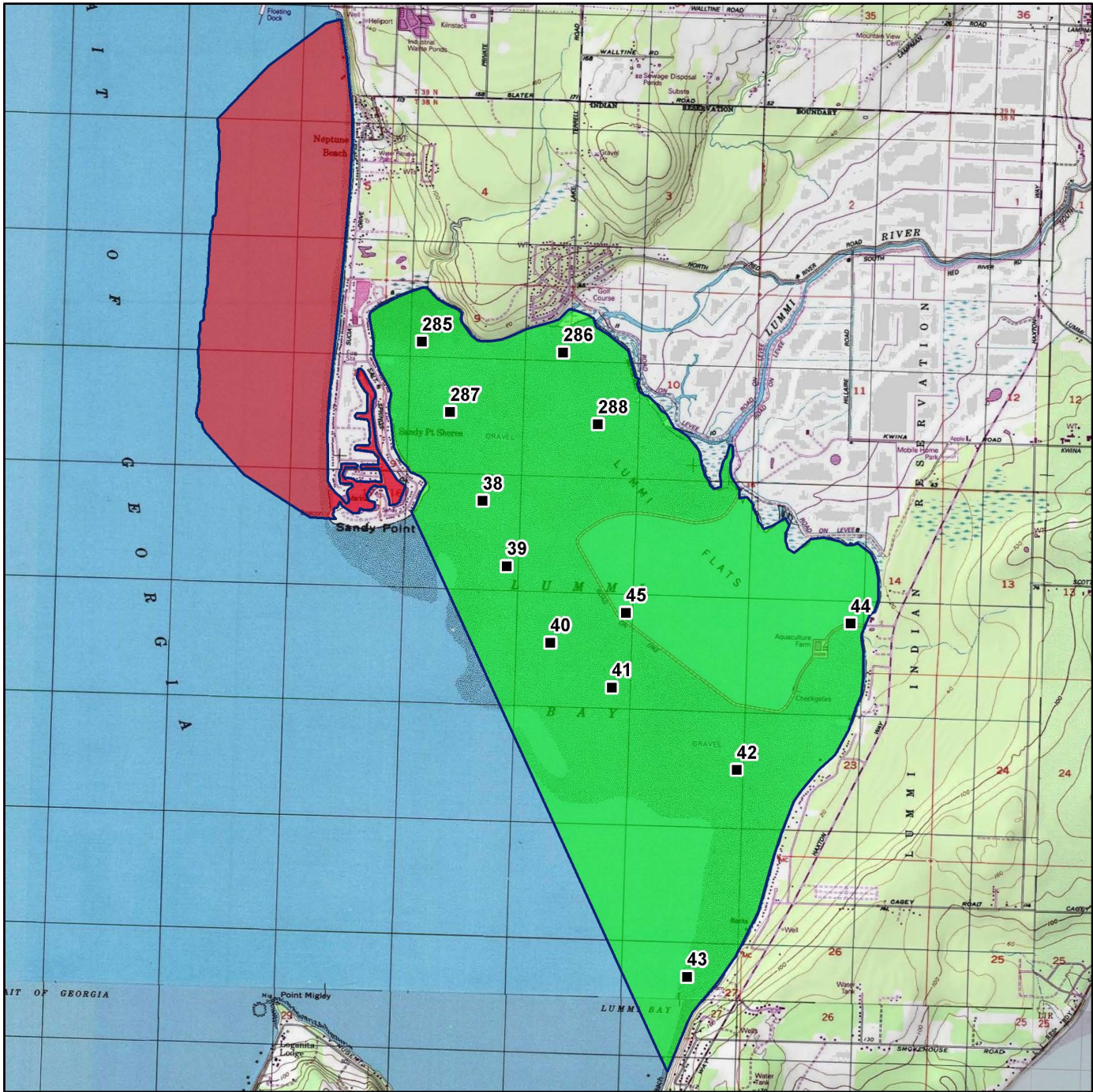
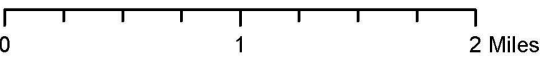
Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
38	Approved	1/30/2020 - 12/3/2024	1.7 - 13.0	1.9	3.2	Y
39	Approved	1/30/2020 - 12/3/2024	1.7 - 4.5	1.9	2.5	Y
40	Approved	12/3/2019 - 12/3/2024	1.7 - 7.8	2.1	3.3	Y
41	Approved	1/30/2020 - 12/3/2024	1.7 - 11.0	1.9	3	Y
42	Approved	1/30/2020 - 12/3/2024	1.7 - 7.8	2.4	4.8	Y
43	Approved	1/30/2020 - 12/3/2024	1.7 - 23.0	2.0	4	Y
44	Approved	12/3/2019 - 12/3/2024	1.7 - 49.0	2.9	10.7	Y
45	Approved	12/3/2019 - 12/3/2024	1.7 - 49.0	2.1	5.1	Y
285	Approved	1/30/2020 - 12/3/2024	1.7 - 240.0	3.9	19.8	Y
286	Approved	1/30/2020 - 12/3/2024	1.7 - 140.0	3.6	19.8	Y
287	Approved	1/30/2020 - 12/3/2024	1.7 - 27.0	2.2	5.2	Y
288	Approved	1/30/2020 - 12/3/2024	1.7 - 22.0	2.4	6.2	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

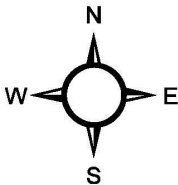
 Lummi Bay



Classification

-  Approved
-  Conditional
-  Prohibited
-  Restricted
-  Unclassified

Sampling Stations



\* Some sampling stations are highlighted with grey box for ease of reading.