

Lummi Bay

Annual Shellfish Growing Area Review



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Area: Lummi Bay

Year Ending: December 31, 2023

Classification: Approved, Prohibited

Activities in the Growing Area in 2023

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A portion of the growing area north of a line drawn between the sea pond and Sandy Point closed once for a total of two days due to the prediction of the Nooksack River exceeding 19 feet and flooding conditions.

A routine three-year shoreline evaluation was completed, and Lummi Natural Resources (LNR) sampled two sites at the mouths of the Lummi River and Jordan Creek. Whatcom Clean Water Program partners and LNR sampled multiple upstream drainages to track pollution sources, evaluated 24 OSS along the shoreline of the growing area, and provided technical assistance to 19 agricultural sites in the Lummi Bay watershed. The LNR followed up with a previously identified potential sewage discharge from an RV and found the RV remains located on the property but there was no indication of a sewage discharge to the stormwater system. There were no new pollution sources identified.

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, and 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 meet 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

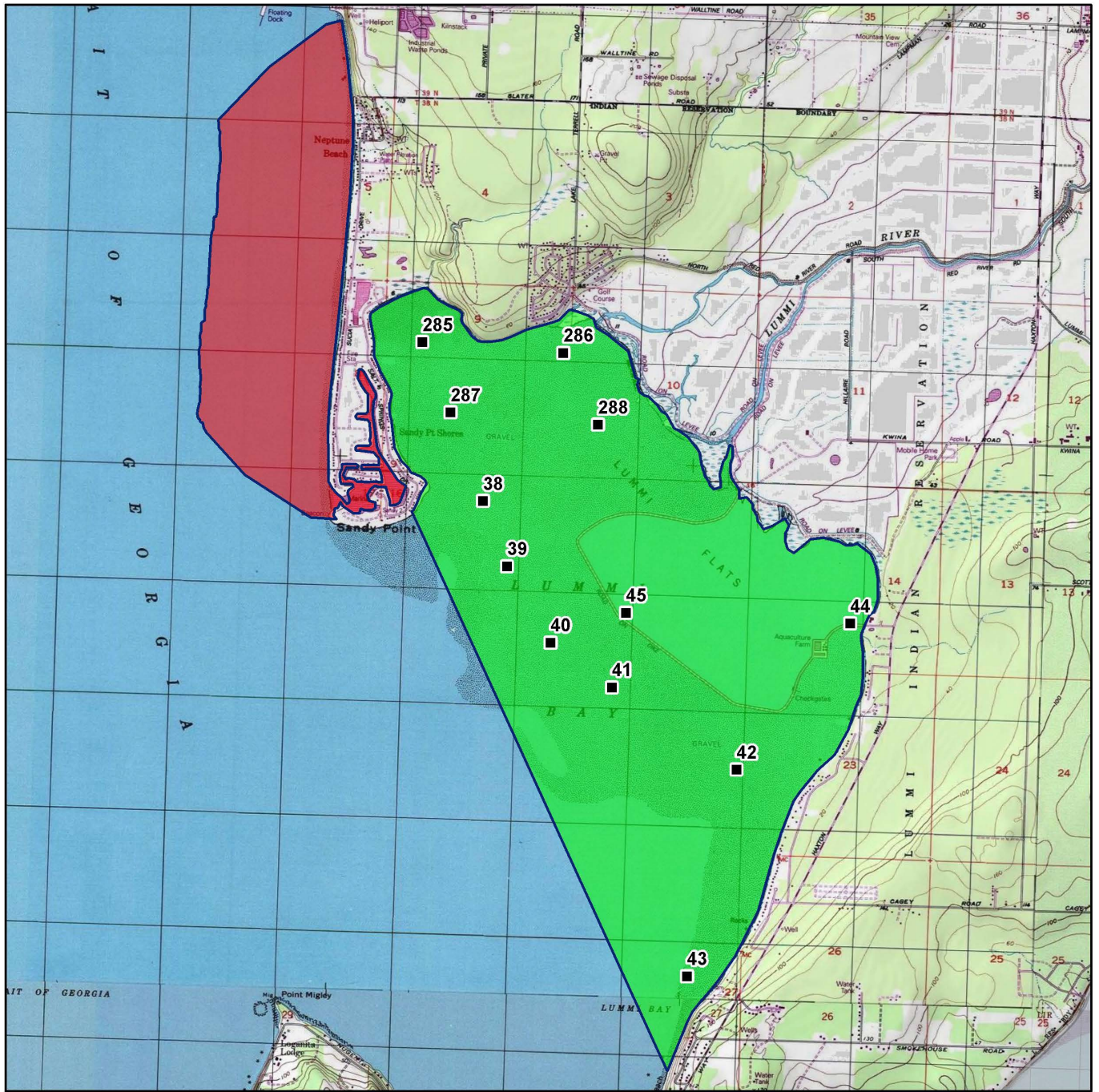
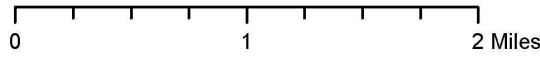
Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
38	Approved	3/13/2019 - 12/5/2023	1.7 - 13.0	1.9	3.2	Y
39	Approved	3/13/2019 - 12/5/2023	1.7 - 4.5	1.8	2.5	Y
40	Approved	3/13/2019 - 12/5/2023	1.7 - 7.8	2.0	3.1	Y
41	Approved	3/13/2019 - 12/5/2023	1.7 - 11.0	1.9	3.1	Y
42	Approved	3/13/2019 - 12/5/2023	1.7 - 7.8	2.2	4.1	Y
43	Approved	3/13/2019 - 12/5/2023	1.7 - 23.0	2.0	4	Y
44	Approved	3/13/2019 - 12/5/2023	1.7 - 49.0	3.0	11	Y
45	Approved	3/13/2019 - 12/5/2023	1.7 - 49.0	2.1	5.1	Y
285	Approved	3/13/2019 - 12/5/2023	1.7 - 240.0	3.7	17.8	Y
286	Approved	3/13/2019 - 12/5/2023	1.7 - 140.0	3.5	20.9	Y
287	Approved	3/13/2019 - 12/5/2023	1.7 - 27.0	2.2	5.2	Y
288	Approved	3/13/2019 - 12/5/2023	1.7 - 22.0	2.3	5.5	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.

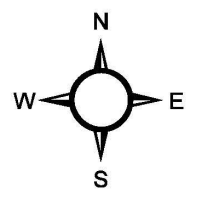
MAP 1. Lummi Bay Growing Area

Lummi Bay

Washington State Department of Health
 Date Updated: 7/11/2018



Classification		Sampling Stations
	Approved	
	Conditional	
	Prohibited	
	Restricted	
	Unclassified	



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