

# Liberty Bay

## Annual Shellfish Growing Area Review



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Area: Liberty Bay

Year Ending: December 31, 2019

Classification: Approved, Conditionally Approved

### Activities in the Growing Area in 2019

The growing area was sampled a minimum of six times, including three times in Open status, in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Conditionally Approved portion was closed during the boating season (May 1 through September 30).

Using National Estuary Program grant funds, Kitsap County offers OSS O&M rebates to eligible homeowners, while the Kitsap Conservation District provides agricultural technical assistance and BMPs.

### Analytical Results of Water Samples

Table 1 summarizes the results of the 30 most recent 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 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 the appropriate classification.

## 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) Liberty 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
499	Approved	6/20/2012 - 5/16/2017	1.7 - 79.0	3.0	9.8	Y
500	Approved	6/20/2012 - 5/16/2017	1.7 - 110.0	3.2	12.0	Y
501	Approved	6/20/2012 - 5/16/2017	1.7 - 79.0	2.8	9.1	Y
384	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 49.0	3.4	13.8	Y
385	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 46.0	3.2	10.1	Y
386	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 23.0	3.4	10.0	Y
387	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 130.0	4.6	19.7	Y
388	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 49.0	4.1	16.4	Y
389	Conditionally Approved	11/14/2013 - 3/2/2017	1.7 - 7.8	2.3	4.5	Y
390	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 27.0	3.3	9.1	Y
392	Conditionally Approved	12/17/2013 - 3/2/2017	1.7 - 130.0	3.0	10.6	Y
498	Conditionally Approved	4/26/2012 - 3/2/2017	1.7 - 23.0	2.4	5.5	Y
872	Conditionally Approved	4/19/2018 - 11/6/2019	1.7 - 4.5	1.9	2.8	*N/A
380	Unclassified	1/13/2014 - 3/2/2017	1.7 - 23.0	2.3	5.4	Y
381	Unclassified	11/14/2013 - 3/2/2017	1.7 - 7.8	2.4	4.8	Y
382	Unclassified	11/14/2013 - 3/2/2017	1.7 - 14.0	3.4	9.6	Y
383	Unclassified	12/17/2013 - 3/2/2017	1.7 - 540.0	3.9	18.1	Y
391	Unclassified	12/17/2013 - 3/2/2017	1.7 - 49.0	4.4	15.8	Y
393	Unclassified	12/17/2013 - 3/2/2017	1.7 - 33.0	2.5	6.7	Y
394	Unclassified	12/17/2013 - 3/2/2017	1.7 - 46.0	2.5	6.4	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.

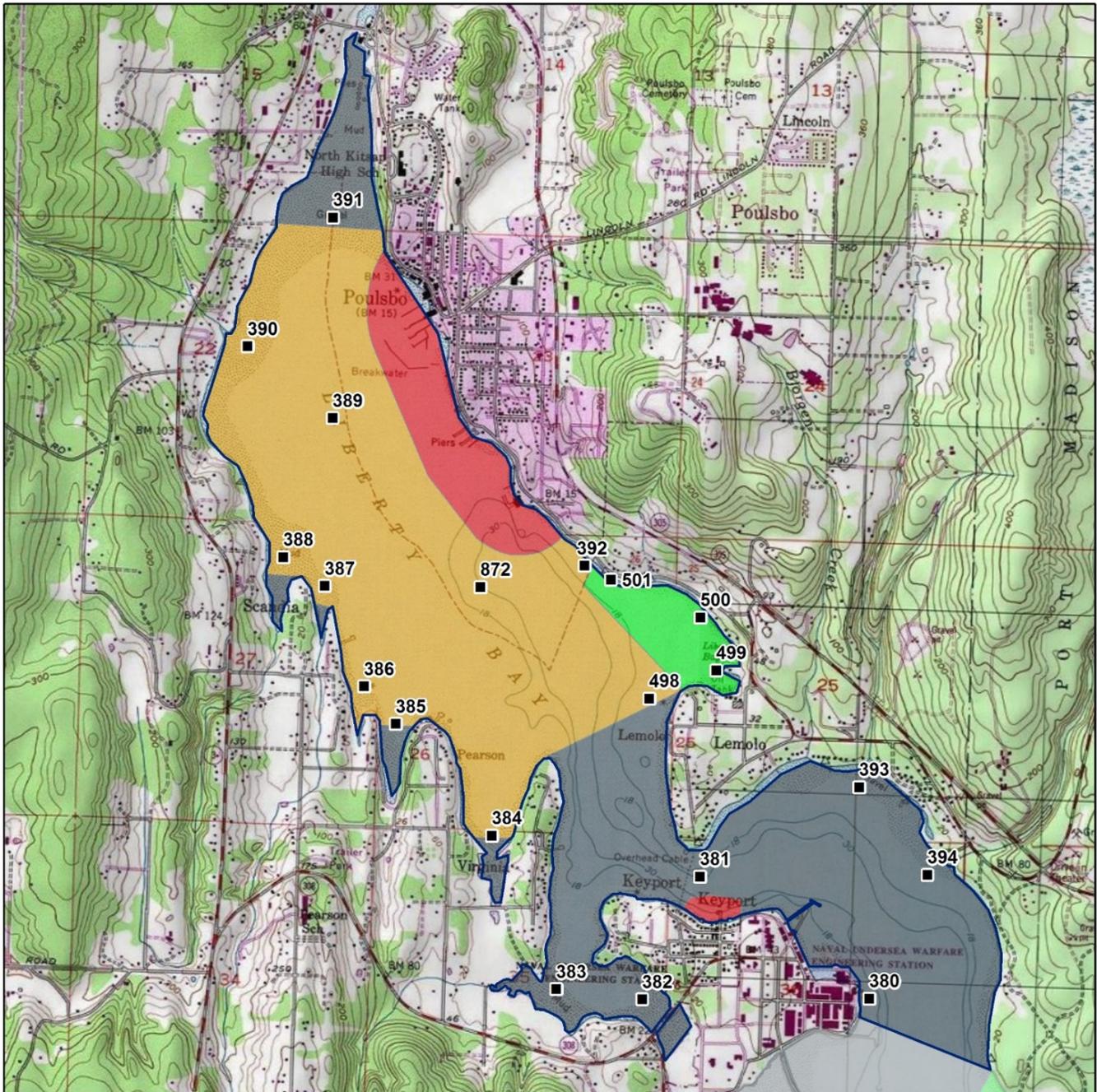
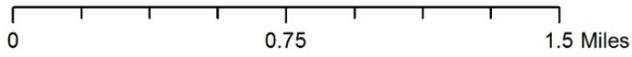
\* N/A – SRS criteria require a minimum of 30 samples from each station

# MAP 1. Liberty Bay Growing Area

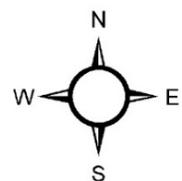
 Liberty Bay



Date Updated: 8/27/2018



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



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