

# Port Townsend

## Annual Shellfish Growing Area Review



Prepared By: Liz Maier

Area: Port Townsend

Year Ending: December 31, 2019

Classification: Approved, Prohibited

### Activities in the Growing Area in 2019

Samples were collected six times from Stations 205 and 206 in Port Hadlock Lagoon and seven times from all other stations in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Stations except for 205 and 206 were sampled twice in January to make up for an event in December 2018 that was canceled due to high wind.

In February, the Department classified approximately 35 acres in Port Hadlock Lagoon as Approved. This initial classification was based on marine water quality at stations 205 and 206 and shoreline conditions that support the commercial harvest of shellfish.

Jefferson County Environmental Health received EPA National Estuary Program funds for on-site septic system repair, replacement, and decommissioning/abatement in areas with potential to affect the growing area. The County implemented pollution identification and correction work and an enhanced septic system operation and maintenance program in the region.

### Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 water samples collected from each marine water station. This summary shows that all stations pass the NSSP water quality standard. Station 206 is in Concerned status with an estimated 90th percentile of 20.7 FC/100mL. Water quality statistics for Station 195 are evaluated in the Kilisut Harbor Annual Shellfish Growing Area Review.

### 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 standards for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) Port Townsend 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
33	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	1.8	2.5	Y
34	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	1.8	2.3	Y
35	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	1.9	2.5	Y
40	Approved	1/29/2015 - 11/19/2019	1.7 - 23.0	2.7	7.2	Y
44	Approved	1/29/2015 - 11/19/2019	1.7 - 33.0	2.4	6.8	Y
45	Approved	1/29/2015 - 11/19/2019	1.7 - 2.0	1.7	1.8	Y
176	Approved	1/29/2015 - 11/19/2019	1.7 - 4.0	1.8	2.3	Y
179	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	2.0	2.9	Y
180	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	1.8	2.5	Y
181	Approved	1/29/2015 - 11/19/2019	1.7 - 4.5	1.9	2.5	Y
205	Approved	5/10/2016 - 12/4/2019	1.7 - 79.0	4.1	16.8	Y
206	Approved	5/10/2016 - 12/4/2019	1.7 - 130.0	4.9	20.7	Y
38	Prohibited	1/29/2015 - 11/19/2019	1.7 - 7.8	2.0	3.6	Y
39	Prohibited	1/29/2015 - 11/19/2019	1.7 - 4.5	1.8	2.3	Y
32	Unclassified	1/29/2015 - 11/19/2019	1.7 - 11.0	2.5	5.1	Y
186	Unclassified	1/29/2015 - 11/19/2019	1.7 - 49.0	2.3	6.3	Y
187	Unclassified	1/29/2015 - 11/19/2019	1.7 - 22.0	2.1	4.4	Y
188	Unclassified	1/29/2015 - 11/19/2019	1.7 - 11.0	2.2	4.4	Y
191	Unclassified	1/29/2015 - 11/19/2019	1.7 - 11.0	1.9	3.1	Y

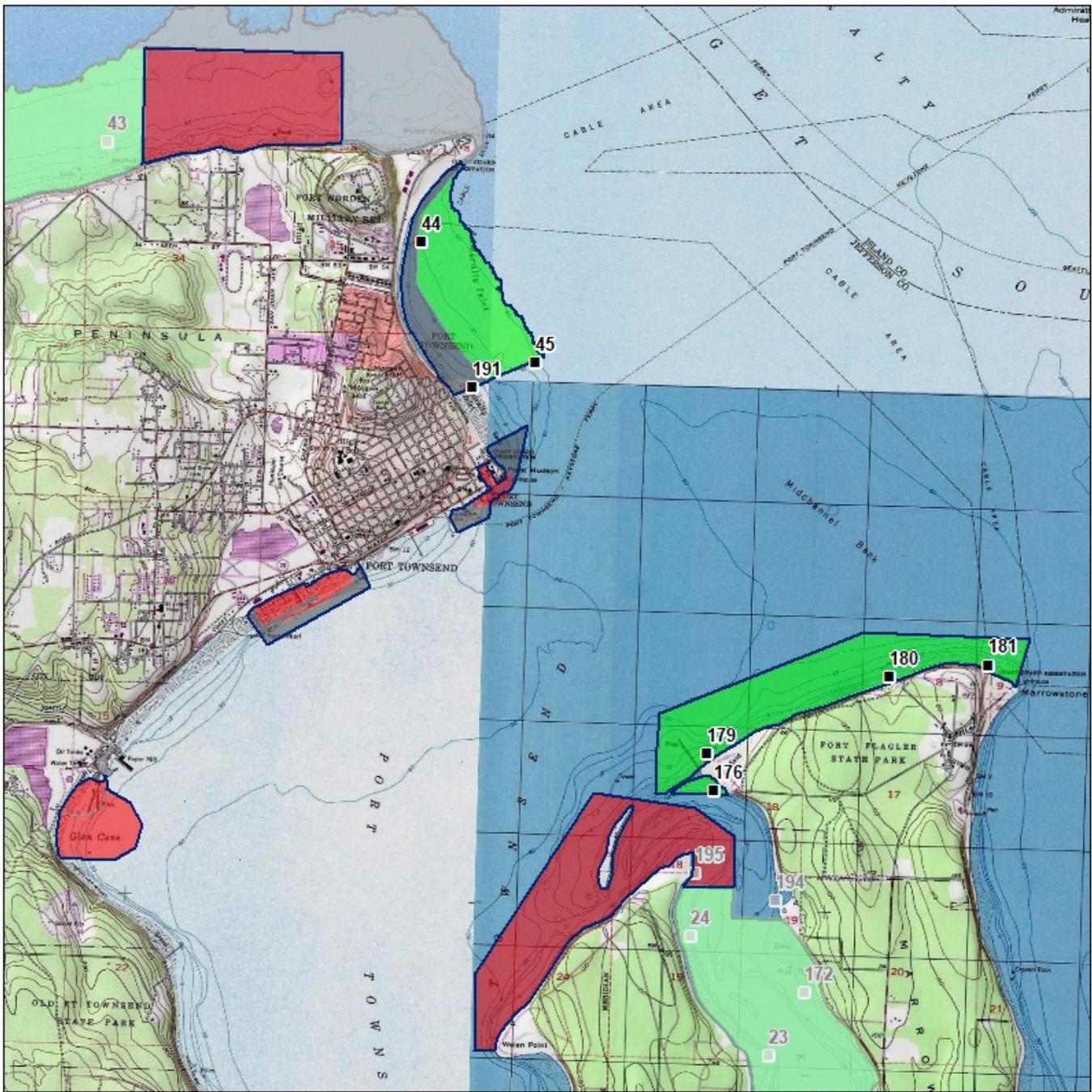
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Port Townsend Growing Area 1 of 2

Port Townsend (1 of 2)

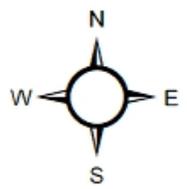


Date Updated: 8/27/2018



Classification	
<span style="color: green;">■</span>	Approved
<span style="color: orange;">■</span>	Conditional
<span style="color: red;">■</span>	Prohibited
<span style="color: blue;">■</span>	Restricted
<span style="color: grey;">■</span>	Unclassified

**Sampling Stations**  
■



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

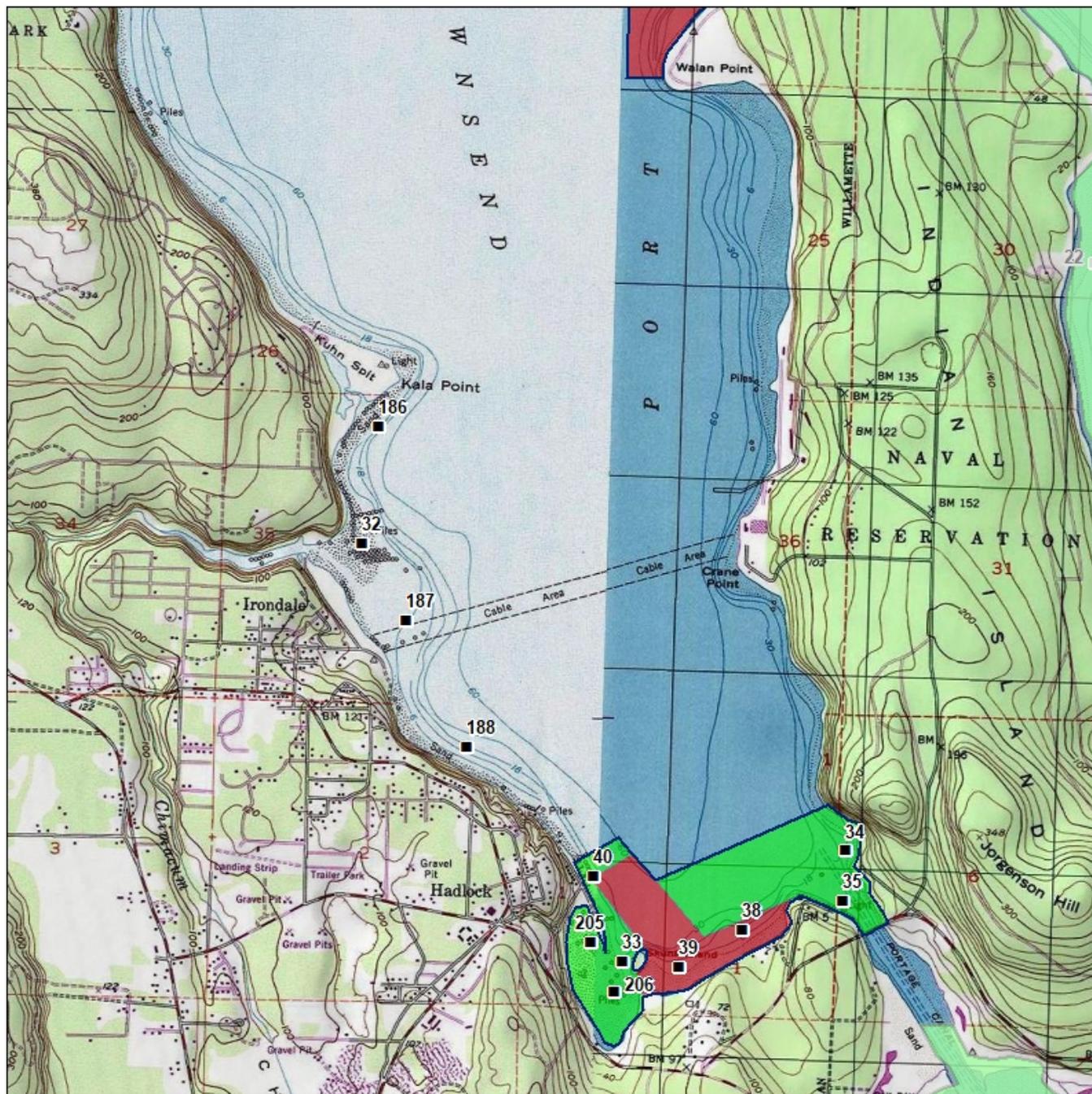
MAP 2. Port Townsend Growing Area 2 of 2

Port Townsend (2 of 2)



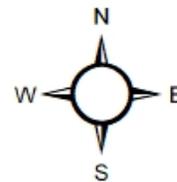
Date Updated: 2/14/2019

0 0.75 1.5 Miles



Classification Sampling Stations

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- Conditional
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- Unclassified



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