

# Hood Canal 4

## Annual Shellfish Growing Area Review



Prepared By: Kelly Curtis

Area: Hood Canal 4

Year Ending: December 31, 2019

Classification: Approved

### Activities in the Growing Area in 2019

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Both Mason County and Kitsap Public Health District continued their pollution identification and correction work and septic system operation and maintenance programs in the region.

### Analytical Results of Water Samples

Table 1 summarizes 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 an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) Hood Canal 4 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
144	Approved	1/8/2015 - 11/4/2019	1.7 - 49.0	2.6	7.3	Y
145	Approved	1/8/2015 - 11/4/2019	1.7 - 17.0	2.4	5.6	Y
146	Approved	1/8/2015 - 11/4/2019	1.7 - 13.0	2.3	5.0	Y
147	Approved	1/8/2015 - 11/4/2019	1.7 - 49.0	2.9	9.2	Y
148	Approved	1/8/2015 - 11/4/2019	1.7 - 17.0	2.3	5.3	Y
149	Approved	1/8/2015 - 11/4/2019	1.7 - 11.0	2.3	4.4	Y
150	Approved	1/8/2015 - 11/4/2019	1.0 - 17.0	2.0	3.7	Y
151	Approved	1/8/2015 - 11/4/2019	1.7 - 23.0	2.2	4.7	Y
152	Approved	12/11/2014 - 11/4/2019	1.7 - 22.0	2.1	4.3	Y
153	Approved	1/8/2015 - 11/4/2019	1.7 - 33.0	2.2	5.4	Y
154	Approved	1/8/2015 - 11/4/2019	1.7 - 33.0	2.1	4.4	Y
155	Approved	1/8/2015 - 11/4/2019	1.7 - 4.5	1.9	2.8	Y
156	Approved	1/8/2015 - 11/4/2019	1.7 - 13.0	2.1	4.1	Y
157	Approved	1/8/2015 - 11/4/2019	1.7 - 4.5	1.8	2.3	Y
158	Approved	1/8/2015 - 11/4/2019	1.7 - 7.8	2.5	5.0	Y
159	Approved	1/8/2015 - 11/4/2019	1.7 - 13.0	2.1	4.1	Y
160	Approved	1/8/2015 - 11/4/2019	1.7 - 22.0	2.3	5.1	Y
161	Approved	1/8/2015 - 11/4/2019	1.7 - 49.0	2.6	7.5	Y
162	Approved	1/8/2015 - 11/4/2019	1.7 - 49.0	2.3	5.9	Y
163	Approved	1/8/2015 - 11/4/2019	1.7 - 13.0	2.1	4.1	Y
164	Approved	1/8/2015 - 11/4/2019	1.7 - 33.0	2.0	4.0	Y
165	Approved	1/8/2015 - 11/4/2019	1.7 - 33.0	2.0	4.1	Y
166	Approved	1/8/2015 - 11/4/2019	1.7 - 4.5	1.8	2.5	Y
307	Unclassified	1/8/2015 - 11/4/2019	1.7 - 23.0	2.2	4.4	Y

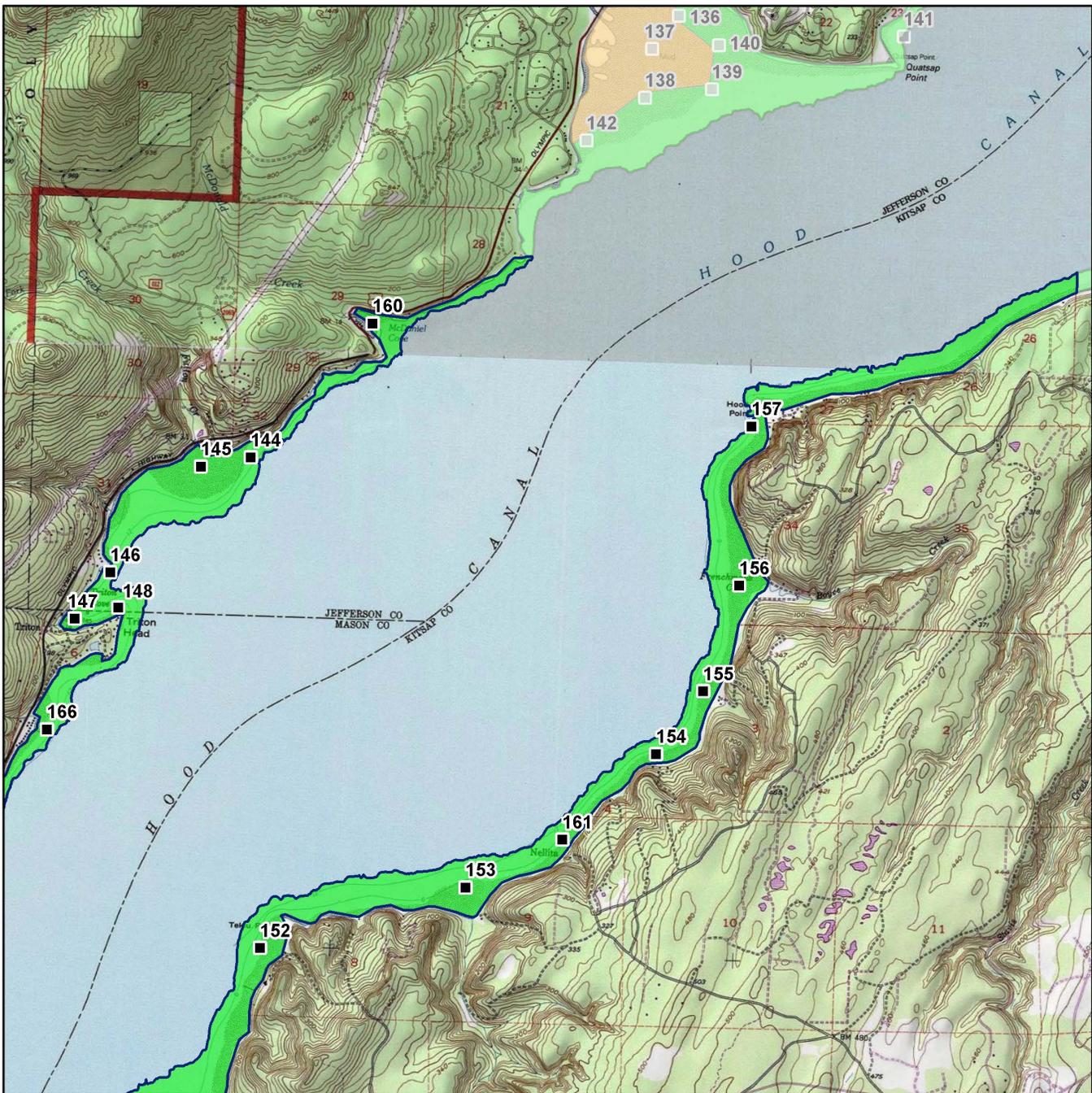
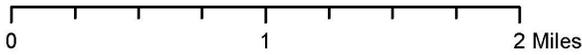
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Hood Canal 4 Growing Area 1 of 2

Hood Canal #4 (1 of 2)

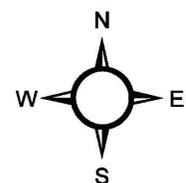


Date Updated: 7/11/2018



Classification Sampling Stations

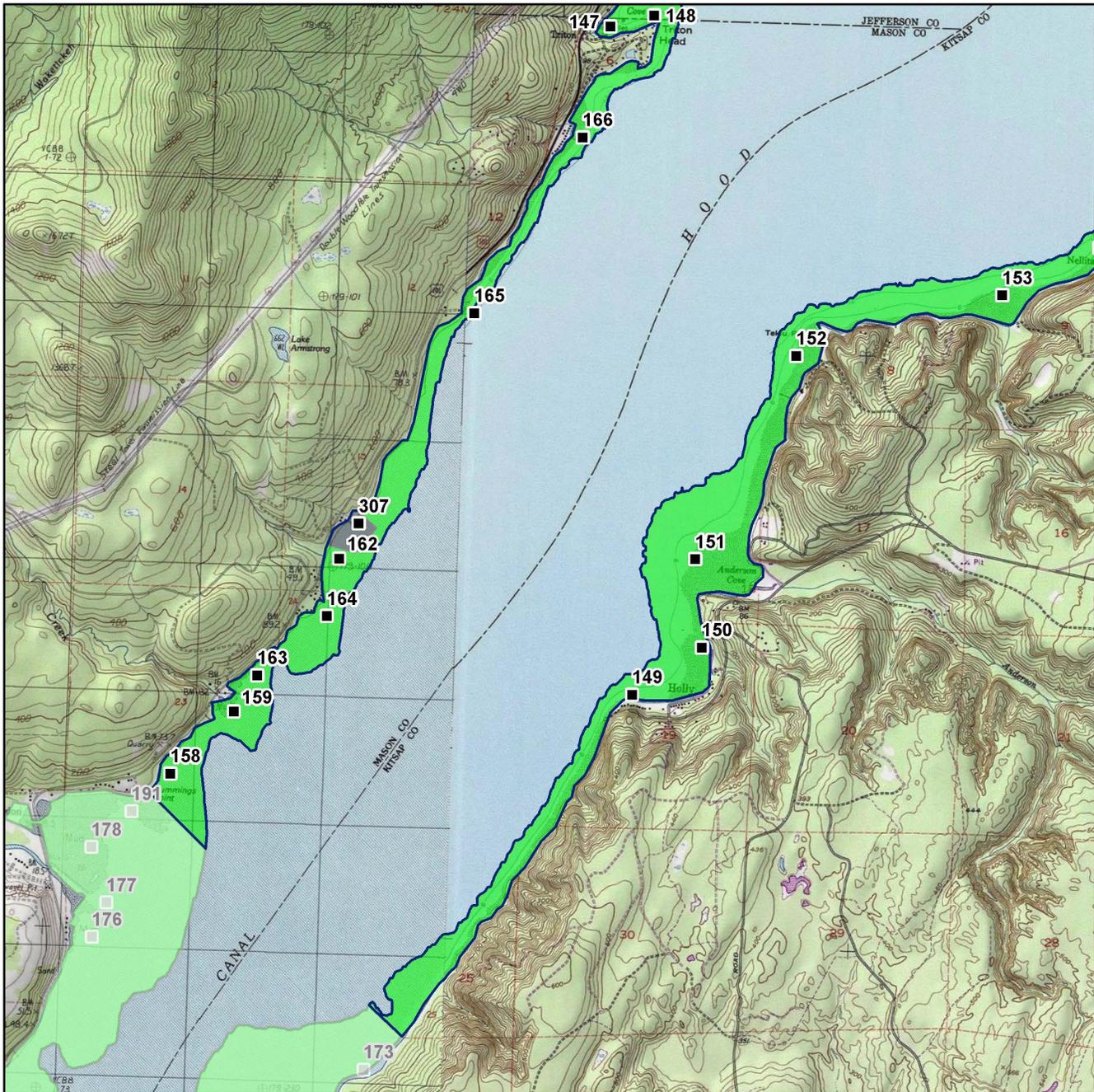
- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified



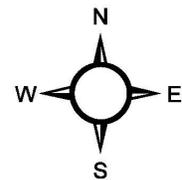
\* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Hood Canal 4 Growing Area 2 of 2

Hood Canal #4 (2 of 2)



Classification	Sampling Stations
<span style="display:inline-block; width:15px; height:15px; background-color: #00FF00; border: 1px solid black;"></span> Approved	<span style="display:inline-block; width:10px; height:10px; background-color: black; border: 1px solid black;"></span>
<span style="display:inline-block; width:15px; height:15px; background-color: #FFA500; border: 1px solid black;"></span> Conditional	
<span style="display:inline-block; width:15px; height:15px; background-color: #FF0000; border: 1px solid black;"></span> Prohibited	
<span style="display:inline-block; width:15px; height:15px; background-color: #0000FF; border: 1px solid black;"></span> Restricted	
<span style="display:inline-block; width:15px; height:15px; background-color: #808080; border: 1px solid black;"></span> Unclassified	



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