

# Mackaye Harbor

## Annual Shellfish Growing Area Review

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Prepared By: Dave Serdar

Area: Mackaye Harbor

Year Ending: December 31, 2021

Classification: Approved

### Activities in the Growing Area in 2021

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. No additional activities have been documented in the growing area.

### 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 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) for the Mackaye Harbor 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
70	Approved	2/28/2017 - 11/16/2021	1.7 - 49.0	2.2	5.9	Y
71	Approved	2/28/2017 - 11/16/2021	1.7 - 4.5	1.8	2.2	Y
72	Approved	2/28/2017 - 11/16/2021	1.7 - 7.8	1.9	3.0	Y
73	Approved	2/28/2017 - 11/16/2021	1.7 - 21.0	2.6	6.8	Y
74	Approved	2/28/2017 - 11/16/2021	1.7 - 11.0	2.0	3.7	Y
75	Approved	2/28/2017 - 11/16/2021	1.7 - 33.0	2.0	4.3	Y
76	Approved	2/28/2017 - 11/16/2021	1.7 - 13.0	2.6	6.8	Y
77	Approved	2/28/2017 - 11/16/2021	1.7 - 11.0	2.0	3.5	Y
78	Approved	2/28/2017 - 11/16/2021	1.7 - 13.0	1.9	3.2	Y
79	Approved	2/28/2017 - 11/16/2021	1.7 - 4.5	1.8	2.3	Y
96	Approved	2/28/2017 - 11/16/2021	1.7 - 23.0	2.5	6.0	Y
97	Approved	4/20/2017 - 11/16/2021	1.7 - 23.0	1.9	3.5	Y
98	Approved	4/20/2017 - 11/16/2021	1.7 - 2.0	1.7	1.8	Y
99	Approved	4/20/2017 - 11/16/2021	1.7 - 70.0	2.6	7.8	Y

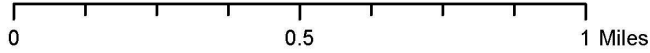
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Mackaye Harbor Growing Area

 Mackaye Harbor

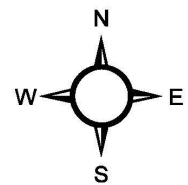
 Washington State Department of Health

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.