

Hood Canal 3

Annual Shellfish Growing Area Review



Prepared By: Trevor Swanson

Area: Hood Canal 3

Year Ending: December 31, 2023

Classification: Approved, Conditionally Approved, Restricted, Prohibited

Activities in the Growing Area in 2023

All stations in the growing area were sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. Stations 136, 138, 139, 140, and 142 were sampled 12 times. Conditionally Approved Station 137 was sampled five times in Open status due to a missed sampling event during the Open period. The Conditionally Approved area was closed from May 1 through October 31.

Jefferson County Environmental Health received EPA National Estuary Program funds for on-site sewage system repair, replacement, and decommissioning/abatement in areas with potential to affect the growing area. The County also received a Washington State Department of Ecology Centennial Clean Water Grant and local assessment funding to further implement the Closure Response Plan created for the Conditionally Approved area in the Duckabush River estuary.

Jefferson County is monitoring the repair of the failing on-site sewage system at the Geoduck Restaurant. The county anticipates a completed repair in the first quarter of 2024.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. It includes samples collected when the Conditionally Approved area was closed to harvest. All marine water stations meet the NSSP standard for Approved classification. Table 2 shows that 20 percent of the most recent 15 samples collected during the closed period exceed 43.0 FC/100mL at Station 137.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating the area has any 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

The Department should consider whether shortening the seasonal closure length in the Conditionally Approved area around Station 137 is appropriate. The Department should continue to work with Jefferson County to identify and correct sources of pollution in the Duckabush River delta portion of the growing area.

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) for the Hood Canal 3 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
108	Approved	1/31/2019 - 11/13/2023	1.7 - 49.0	2.2	5.7	Y
125	Approved	3/14/2019 - 11/13/2023	1.7 - 79.0	3.6	13.4	Y
126	Approved	3/14/2019 - 11/13/2023	1.7 - 17.0	2.6	6.3	Y
127	Approved	3/14/2019 - 11/13/2023	1.7 - 46.0	2.2	5.8	Y
128	Approved	3/14/2019 - 11/13/2023	1.7 - 11.0	2.0	3.4	Y
130	Approved	3/14/2019 - 11/13/2023	1.7 - 9.3	2.0	3.4	Y
131	Approved	3/14/2019 - 11/13/2023	1.7 - 110.0	2.1	5.8	Y
132	Approved	3/14/2019 - 11/13/2023	1.7 - 240.0	2.1	6.7	Y
133	Approved	3/14/2019 - 11/13/2023	1.7 - 2500.0	2.6	15.9	Y
134	Approved	3/14/2019 - 11/13/2023	1.7 - 350.0	2.3	8.2	Y
135	Approved	3/14/2019 - 11/13/2023	1.7 - 130.0	2.0	5.7	Y
136	Approved	5/18/2021 - 12/7/2023	1.7 - 49.0	3.2	12.1	Y
138	Approved	6/30/2021 - 12/7/2023	1.7 - 49.0	3.8	15.3	Y
139	Approved	6/30/2021 - 12/7/2023	1.7 - 23.0	2.7	7.4	Y
140	Approved	6/30/2021 - 12/7/2023	1.7 - 79.0	3.6	17.1	Y
141	Approved	1/31/2019 - 11/13/2023	1.7 - 13.0	1.9	3.2	Y
142	Approved	6/30/2021 - 12/7/2023	1.7 - 79.0	3.2	14.5	Y
143	Approved	3/26/2019 - 12/21/2023	1.7 - 130.0	3.0	11.8	Y
289	Approved	1/31/2019 - 11/13/2023	1.7 - 6.8	1.9	2.8	Y
290	Approved	1/31/2019 - 11/13/2023	1.7 - 49.0	2.7	7.8	Y
137	Conditionally Approved	6/30/2021 - 12/7/2023	1.7 - 79.0	4.5	23.3	Y
124	Restricted	1/31/2019 - 11/13/2023	1.7 - 110.0	3.5	13.9	Y
313	Unclassified	1/31/2019 - 11/13/2023	1.7 - 79.0	2.6	7.7	Y

The standard for Approved shellfish growing waters is a 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.

TABLE 2. Summary of Conditionally Approved Marine Water Data (APC) during Closed Status in the Hood Canal 3 Growing Area

Sampling Event Type: Regulatory

Number of Samples: 15

Tides Included: All

Includes data from the closed period (May through October) only.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	% of samples > 43 FC/100mL	Meets Std.
137	Conditionally Approved	9/13/2017 - 10/31/2023	1.7 - 79.0	6.8	20.00	N

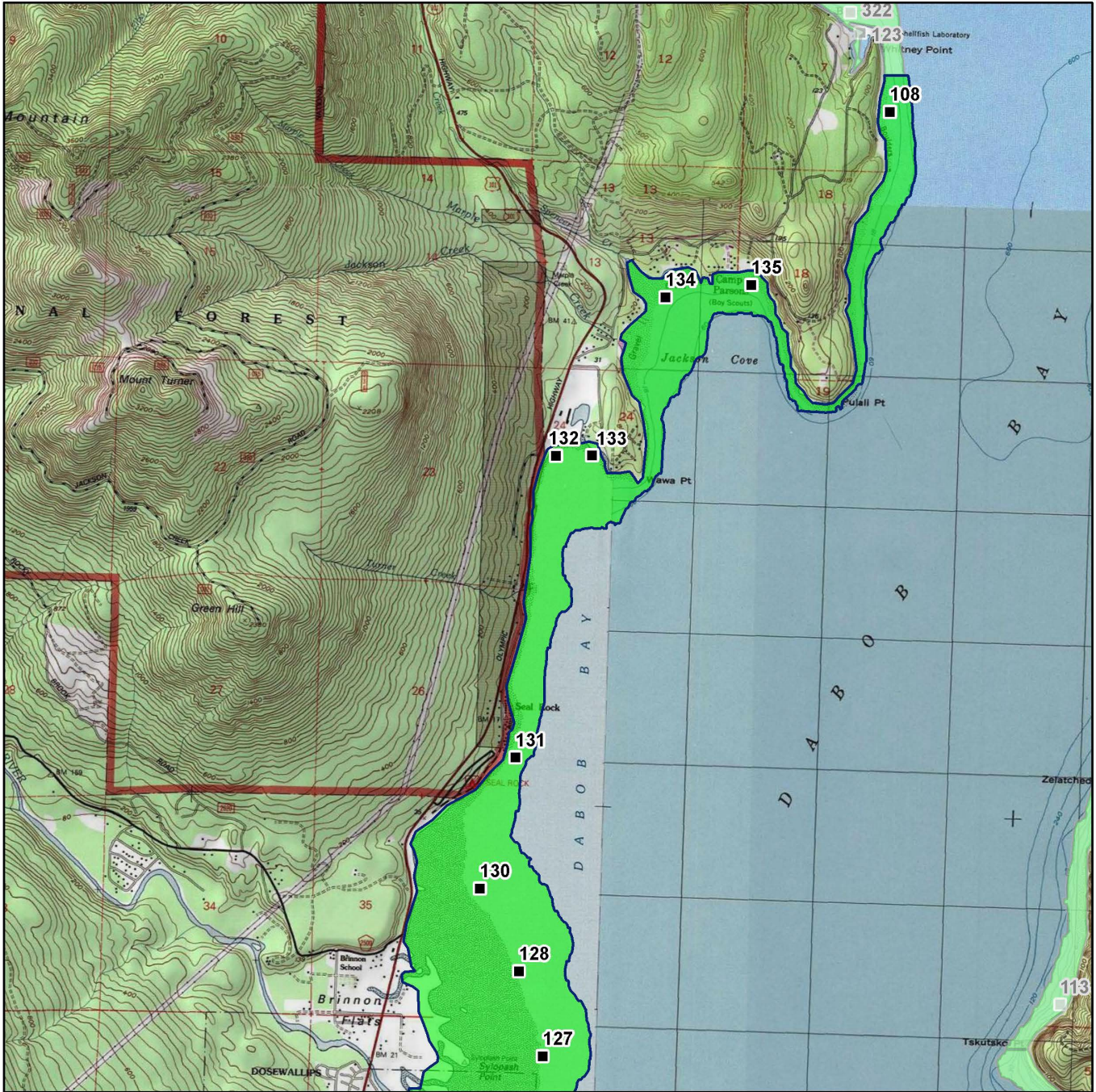
The standard for Approved shellfish growing waters is a fecal coliform geometric mean not greater than 14 organisms / 100 mL with not more than 10 percent greater than 43 organisms / 100 mL. The above table shows bacteriological results in relation to program standards

MAP 1. Hood Canal 3 Growing Area (1 of 2)

Hood Canal #3 (1 of 2)

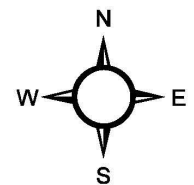


Date Updated: 7/11/2018



- Classification**
- Approved
 - Conditional
 - Prohibited
 - Restricted
 - Unclassified

Sampling Stations



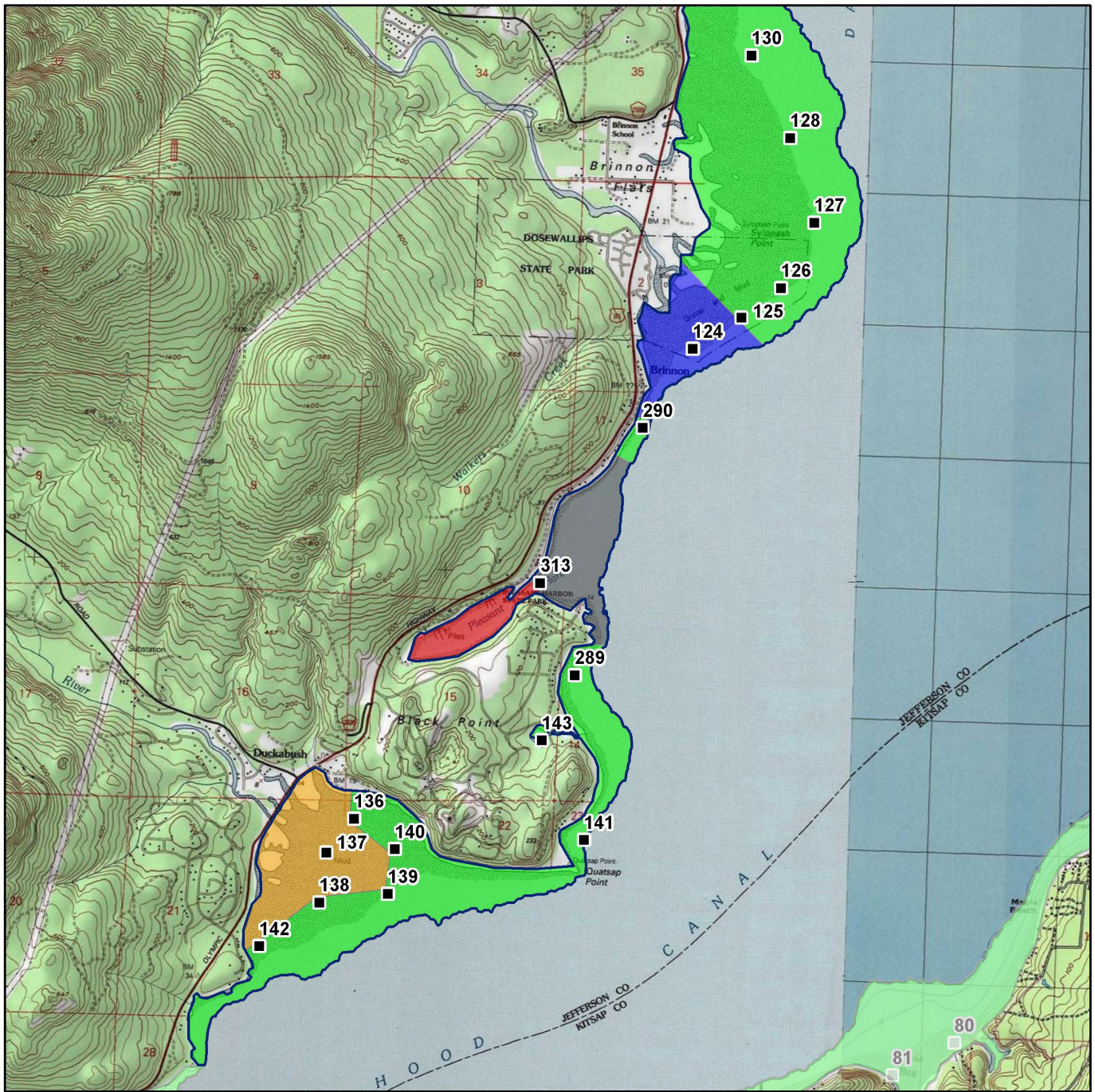
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Hood Canal 3 Growing Area (2 of 2)

 Hood Canal #3 (2 of 2)

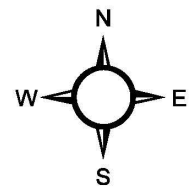
0 1 2 Miles

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Health
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Sampling Stations



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