

Grays Harbor

Annual Shellfish Growing Area Review



Prepared By: Mark Toy

Area: Grays Harbor

Year Ending: December 31, 2021

Classification: Approved, Prohibited

Activities in the Growing Area in 2021

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A routine shoreline survey was completed, and no Direct or Indirect Impacts were identified. A revised evaluation of potential impacts of the Westport WWTP outfall, resulted in 660 acres of the southwestern portion of the growing area to be unclassified, along with Marine Station 13.

The Central Bay portion of Grays Harbor was closed three times for a total of forty-three days (in January, February, and November) due to flooding of the Chehalis River and WWTP upsets. The South Bay portion was closed twice for a total of twenty-six days due to flooding of the Chehalis River. The Elk River portion was closed for seven days due to excessive (>3 inches in 24 hours) rainfall.

Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. This summary shows that all Approved stations meet the NSSP water quality standard. However, stations 27 and 34 are of Concern.

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 Grays 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 th Percentile (FC/100mL)	Meets Standard
16	Approved	11/1/2016 - 12/2/2021	1.7 - 7.8	2.1	3.8	Y
18	Approved	11/1/2016 - 12/2/2021	1.7 - 13.0	2.1	4.4	Y
19	Approved	11/1/2016 - 12/2/2021	1.7 - 27.0	1.9	3.7	Y
22	Approved	3/27/2017 - 12/2/2021	1.7 - 7.8	2.1	3.5	Y
23	Approved	9/15/2016 - 12/2/2021	1.7 - 33.0	2.2	5.0	Y
24	Approved	11/1/2016 - 12/2/2021	1.7 - 13.0	2.9	6.9	Y
25	Approved	9/15/2016 - 12/2/2021	1.7 - 23.0	3.8	10.5	Y
26	Approved	11/1/2016 - 12/2/2021	1.7 - 17.0	3.9	10.9	Y
27	Approved	11/1/2016 - 12/2/2021	1.7 - 79.0	5.2	25.3	Y
28	Approved	3/27/2017 - 12/2/2021	1.7 - 13.0	2.5	5.5	Y
29	Approved	11/1/2016 - 12/2/2021	1.7 - 33.0	2.4	6.8	Y
30	Approved	11/1/2016 - 12/2/2021	1.7 - 11.0	2.4	5.2	Y
31	Approved	3/27/2017 - 12/2/2021	1.7 - 7.8	2.1	3.4	Y
32	Approved	11/1/2016 - 12/2/2021	1.7 - 7.8	1.9	2.9	Y
33	Approved	11/1/2016 - 12/2/2021	1.7 - 33.0	2.9	8.0	Y
34	Approved	11/1/2016 - 12/2/2021	1.7 - 33.0	5.1	20.3	Y
35	Approved	11/1/2016 - 12/2/2021	1.7 - 33.0	5.1	19.5	Y
38	Approved	11/1/2016 - 12/2/2021	1.7 - 23.0	2.7	7.0	Y
188	Approved	11/1/2016 - 12/2/2021	1.7 - 7.8	1.9	2.8	Y
191	Approved	11/1/2016 - 12/2/2021	1.7 - 7.8	2.0	3.3	Y
192	Approved	9/15/2016 - 12/2/2021	1.7 - 13.0	2.4	5.3	Y
193	Approved	11/1/2016 - 12/2/2021	1.7 - 33.0	2.3	6.4	Y
194	Approved	11/1/2016 - 12/2/2021	1.7 - 23.0	2.5	7.0	Y
199	Approved	11/1/2016 - 12/2/2021	1.7 - 23.0	3.0	9.7	Y
202	Approved	9/15/2016 - 12/2/2021	1.7 - 11.0	1.9	3.0	Y
13	Unclassified	11/1/2016 - 12/2/2021	1.7 - 46.0	5.4	19.3	Y
36	Unclassified	11/1/2016 - 12/2/2021	1.7 - 79.0	7.3	35.9	Y
37	Unclassified	11/1/2016 - 12/2/2021	1.7 - 79.0	7.4	39.0	Y
209	Unclassified	9/15/2016 - 12/2/2021	1.7 - 13.0	2.2	4.2	Y
218	Unclassified	11/1/2016 - 12/2/2021	1.7 - 23.0	2.9	8.0	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. Grays Harbor Growing Area

