

North Bay

Annual Shellfish Growing Area Review



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Area: North Bay

Year Ending: December 31, 2024

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled 12 times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. Stations 7, 548, and 575 in the Conditionally Approved areas were sampled 11 times during Open status. The Conditionally Approved areas were closed seven times for a total of 35 days due to rainfall (≥ 1 inch in 24 hours).

The Mason Conservation District received EPA National Estuary Program funds for education and outreach activities throughout Mason County. The Mason County Clean Water District continued to implement pollution identification and correction activities identified in the 2018 North Bay pollution closure response plan.

Analytical Results of Water Samples

All stations meet NSSP standards. Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. It includes samples collected when the Conditionally Approved areas were closed to harvest due to rainfall over 1 inch in 24 hours (5-day closure). Table 2 summarizes the most recent 30 samples with closed period data sorted out. Four of the last thirty marine water sampling events occurred during Closed status.

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 area is correctly classified.

Because only four sampling events occurred in the last 30 samples in the Conditionally Approved areas during rainfall closures, more rainfall event (exceeding 1 inch in 24 hours) sampling events should be completed prior to a classification evaluation.

The Department should continue working with Mason County to identify and correct sources of pollution in the North Bay watershed.

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 North Bay 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
1	Approved	7/27/2022 - 12/5/2024	1.7 - 17.0	3.8	11.0	Y
2	Approved	7/27/2022 - 12/5/2024	1.7 - 14.0	2.9	7.3	Y
3	Approved	2/12/2020 - 12/5/2024	1.7 - 33.0	2.9	8.9	Y
4	Approved	2/12/2020 - 12/5/2024	1.7 - 49.0	3.0	9.7	Y
5	Approved	2/12/2020 - 12/5/2024	1.7 - 22.0	2.4	5.2	Y
6	Approved	2/12/2020 - 12/5/2024	1.7 - 13.0	2.6	6.0	Y
11	Approved	7/27/2022 - 12/5/2024	1.7 - 49.0	3.1	9.8	Y
12	Approved	7/27/2022 - 12/5/2024	1.7 - 49.0	3.6	13.0	Y
14	Approved	2/12/2020 - 12/5/2024	1.7 - 70.0	4.1	16.1	Y
15	Approved	2/12/2020 - 12/5/2024	1.7 - 49.0	3.3	11.4	Y
16	Approved	2/12/2020 - 12/5/2024	1.7 - 31.0	2.6	6.4	Y
551	Approved	2/12/2020 - 12/5/2024	1.7 - 33.0	2.0	4.3	Y
552	Approved	2/12/2020 - 12/5/2024	1.7 - 23.0	2.3	4.9	Y
553	Approved	2/12/2020 - 12/5/2024	1.7 - 31.0	2.4	5.6	Y
871	Approved	7/27/2022 - 12/5/2024	1.7 - 13.0	2.4	4.8	Y
7	Conditionally Approved	7/27/2022 - 12/5/2024	1.7 - 49.0	3.5	11.3	Y
548	Conditionally Approved	7/27/2022 - 12/5/2024	1.7 - 49.0	3.8	13.2	Y
575	Conditionally Approved	7/27/2022 - 12/5/2024	1.7 - 920.0	6.3	41.2	Y
9	Prohibited	7/27/2022 - 12/5/2024	1.7 - 79.0	3.3	10.4	Y
549	Prohibited	7/27/2022 - 12/5/2024	1.7 - 49.0	3.8	13.3	Y
550	Prohibited	7/27/2022 - 12/5/2024	1.7 - 130.0	4.1	17.0	Y
869	Prohibited	7/27/2022 - 12/5/2024	1.7 - 2500.0	14.7	124.5	N
870	Prohibited	7/27/2022 - 12/5/2024	1.7 - 33.0	3.7	13.1	Y
762	Unclassified	7/27/2022 - 12/5/2024	1.7 - 240.0	9.4	55.3	N

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.

TABLE 2. Summary of Marine Water Data (SRS) at Conditionally Approved stations during Open Status in the North Bay Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

Includes data for rainfall amounts:00-0.99" on days 0 – 4 previous to the sampling event.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
7	Conditionally Approved	2/7/2022 - 12/5/2024	1.7 - 49.0	3.2	10.5	Y
548	Conditionally Approved	2/7/2022 - 12/5/2024	1.7 - 110.0	3.3	13.1	Y
575	Conditionally Approved	2/7/2022 - 12/5/2024	1.7 - 130.0	4.7	20.0	Y

The above table shows bacteriological results in relation to NSSP criteria. NSSP standards for approved shellfish growing waters are a fecal coliform geometric mean not greater than 14 organisms/100 mL and an estimated 90th percentile not greater than 43 organisms/100mL.

MAP 1. North Bay Growing Area

