

Quartermaster Harbor

Annual Shellfish Growing Area Review



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Area: Quartermaster Harbor

Year Ending: December 31, 2023

Classification: Approved, Prohibited

Activities in the Growing Area in 2023

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A follow up shoreline survey was completed for the Prohibited portion of the growing area north of the Dockton Marina. Two drainages with historically elevated bacteria levels due to nonpoint pollution showed significantly reduced bacteria levels during this evaluation. The Department observed four potential liveboards outside the Dockton Marina and mooring area and will evaluate them further prior to a change in classification.

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. Marine stations 900, 901, 902, and 903 in an unclassified area only have six samples.

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 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 Quartermaster 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
361	Approved	11/26/2018 - 12/5/2023	1.7 - 17.0	2.6	6.1	Y
362	Approved	11/26/2018 - 12/5/2023	1.7 - 46.0	3.1	10.6	Y
364	Approved	11/26/2018 - 12/5/2023	1.7 - 33.0	2.7	6.9	Y
365	Approved	11/26/2018 - 12/5/2023	1.7 - 23.0	2.3	5.5	Y
366	Approved	11/26/2018 - 12/5/2023	1.7 - 33.0	2.4	6.3	Y
367	Approved	11/26/2018 - 12/5/2023	1.7 - 49.0	2.3	5.6	Y
369	Approved	11/26/2018 - 12/5/2023	1.7 - 79.0	2.8	10.6	Y
373	Approved	11/26/2018 - 12/5/2023	1.7 - 170.0	2.9	12.5	Y
630	Approved	11/26/2018 - 12/5/2023	1.7 - 540.0	2.6	12	Y
632	Approved	11/26/2018 - 12/5/2023	1.7 - 49.0	2.4	6.3	Y
693	Approved	11/26/2018 - 12/5/2023	1.7 - 33.0	2.2	5.2	Y
771	Approved	11/26/2018 - 12/5/2023	1.7 - 49.0	2.7	9.2	Y
877	Approved	5/21/2020 - 12/5/2023	1.7 - 1600.0	3.5	20.9	Y
879	Approved	5/21/2020 - 12/5/2023	1.7 - 130.0	2.9	13.1	Y
880	Approved	3/31/2020 - 12/5/2023	1.7 - 79.0	2.4	7	Y
368	Prohibited	11/26/2018 - 12/5/2023	1.7 - 23.0	2.6	6.4	Y
371	Prohibited	11/26/2018 - 12/5/2023	1.7 - 33.0	2.0	4.3	Y
372	Prohibited	11/26/2018 - 12/5/2023	1.7 - 110.0	2.6	9.7	Y
631	Prohibited	11/26/2018 - 12/5/2023	1.7 - 13.0	2.1	4.2	Y
688	Prohibited	11/26/2018 - 12/5/2023	1.7 - 33.0	2.7	8.1	Y
689	Prohibited	11/26/2018 - 12/5/2023	1.7 - 79.0	2.6	8.6	Y
690	Prohibited	11/26/2018 - 12/5/2023	1.7 - 33.0	2.6	7.9	Y
691	Prohibited	11/26/2018 - 12/5/2023	1.7 - 13.0	2.2	4.3	Y
692	Prohibited	11/26/2018 - 12/5/2023	1.7 - 22.0	2.2	4.6	Y
878	Prohibited	5/21/2020 - 12/5/2023	1.7 - 17.0	2.6	7.1	Y
363	Unclassified	11/26/2018 - 12/5/2023	1.7 - 350.0	2.5	9.4	Y
900	Unclassified	2/16/2023 - 12/5/2023	1.7 - 33.0	4.7	23.2	*N/A
901	Unclassified	2/16/2023 - 12/5/2023	1.7 - 46.0	3.1	16.8	*N/A
902	Unclassified	2/16/2023 - 12/5/2023	1.7 - 7.8	2.6	6.1	*N/A
903	Unclassified	2/16/2023 - 12/5/2023	1.7 - 4.5	2.3	4.2	*N/A

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.

*N/A – SRS criteria require a minimum of 30 samples from each station.

MAP 1. Quartermaster Harbor Growing Area

