

Quartermaster Harbor

Annual Shellfish Growing Area Review



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Area: Quartermaster Harbor

Year Ending: December 31, 2022

Classification: Approved, Prohibited

Activities in the Growing Area in 2022

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A shoreline survey was conducted in response to a harvest request. Two Indirect Impacts from nonpoint pollution were identified upstream of shoreline discharges which led to two acres being classified as Prohibited. The remaining requested area, approximately 117 acres, were classified as Approved.

Follow up sampling began at five drainages in Prohibited areas north of Dockton, south of Dockton and Governors Lane to re-evaluate shoreline impacts to the growing area. In December, the Department also added four new marine water stations in response to harvest request for geoduck tract 10250 (Rosehilla).

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. Station 877 is “concerned” with an estimated 90th percentile of 20.5 FC/100 mL.

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 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	12/14/2017 - 11/8/2022	1.7 - 17.0	2.3	4.7	Y
362	Approved	12/14/2017 - 11/8/2022	1.7 - 46.0	2.8	8.4	Y
364	Approved	12/14/2017 - 11/8/2022	1.7 - 7.8	2.4	5.0	Y
365	Approved	12/14/2017 - 11/8/2022	1.7 - 23.0	2.2	4.4	Y
366	Approved	12/14/2017 - 11/8/2022	1.7 - 33.0	2.2	5.7	Y
367	Approved	12/14/2017 - 11/8/2022	1.7 - 49.0	2.4	6.2	Y
369	Approved	12/14/2017 - 11/8/2022	1.7 - 49.0	2.6	7.7	Y
373	Approved	1/29/2018 - 11/8/2022	1.7 - 79.0	2.4	6.8	Y
630	Approved	12/14/2017 - 11/8/2022	1.7 - 26.0	2.2	4.9	Y
632	Approved	12/14/2017 - 11/8/2022	1.7 - 17.0	2.1	4.1	Y
693	Approved	12/14/2017 - 11/8/2022	1.7 - 33.0	2.3	5.4	Y
771	Approved	12/14/2017 - 11/8/2022	1.7 - 23.0	2.1	4.4	Y
877	Approved	10/8/2019 - 11/8/2022	1.7 - 1600.0	3.4	20.5	Y
879	Approved	10/8/2019 - 11/8/2022	1.7 - 33.0	2.3	5.8	Y
880	Approved	9/4/2019 - 11/8/2022	1.7 - 79.0	2.4	6.7	Y
368	Prohibited	12/14/2017 - 11/8/2022	1.7 - 49.0	2.6	7.5	Y
371	Prohibited	12/14/2017 - 11/8/2022	1.7 - 6.8	1.9	2.8	Y
372	Prohibited	10/23/2017 - 11/8/2022	1.7 - 79.0	2.5	8.8	Y
631	Prohibited	12/14/2017 - 11/8/2022	1.7 - 13.0	2.1	4.2	Y

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
688	Prohibited	12/14/2017 - 11/8/2022	1.7 - 13.0	2.4	6.0	Y
689	Prohibited	12/14/2017 - 11/8/2022	1.7 - 79.0	2.5	7.5	Y
690	Prohibited	12/14/2017 - 11/8/2022	1.7 - 23.0	2.5	6.6	Y
691	Prohibited	12/14/2017 - 11/8/2022	1.7 - 11.0	2.0	3.4	Y
692	Prohibited	12/14/2017 - 11/8/2022	1.7 - 22.0	2.2	4.9	Y
878	Prohibited	10/8/2019 - 11/8/2022	1.7 - 17.0	2.6	6.6	Y
363	Unclassified	12/14/2017 - 11/8/2022	1.7 - 7.8	2.1	3.7	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. Quartermaster Harbor Growing Area

