

Quartermaster Harbor

Annual Shellfish Growing Area Review



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Area: Quartermaster Harbor

Year Ending: December 31, 2024

Classification: Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A routine three-year shoreline evaluation was completed. No new or changes in pollution sources were identified that impact Approved portions of the growing area.

An evaluation of the Dockton Cove area was completed. Dockton cove contains a public park with a marina, a large private dock, a DNR mooring buoy field, and areas where boats frequently anchor. Due to the spatial arrangement of the marinas, mooring field, and anchoring areas, it was recommended that the Prohibited area for Dockton Cove be expanded to 200 feet beyond the outermost mooring buoys. A comprehensive evaluation report is in the central growing area file. In August, the Prohibited area adjacent to Dockton was expanded by approximately 100 acres due to the reevaluation of Dockton Cove, and 50 acres along the eastern shoreline north of Dockton were upgraded from Prohibited to Approved due to pollution identification and correction efforts and a shoreline survey of the area identifying no pollution source impacts.

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 12 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	12/5/2019 - 11/13/2024	1.7 - 17.0	2.5	6.2	Y
362	Approved	12/5/2019 - 11/13/2024	1.7 - 46.0	3.0	10.7	Y
364	Approved	12/5/2019 - 11/13/2024	1.7 - 33.0	2.6	6.7	Y
365	Approved	12/5/2019 - 11/13/2024	1.7 - 23.0	2.5	6.4	Y
366	Approved	12/5/2019 - 11/13/2024	1.7 - 33.0	2.5	6.7	Y
367	Approved	12/5/2019 - 11/13/2024	1.7 - 49.0	2.4	7.2	Y
369	Approved	12/5/2019 - 11/13/2024	1.7 - 79.0	2.6	9.2	Y
371	Approved	12/5/2019 - 11/13/2024	1.7 - 130.0	2.4	8	Y
372	Approved	12/5/2019 - 11/13/2024	1.7 - 110.0	2.5	8.6	Y
373	Approved	12/5/2019 - 11/13/2024	1.7 - 170.0	2.7	9.8	Y
630	Approved	12/5/2019 - 11/13/2024	1.7 - 540.0	2.5	10.3	Y
632	Approved	12/5/2019 - 11/13/2024	1.7 - 49.0	2.5	7.5	Y
693	Approved	12/5/2019 - 11/13/2024	1.7 - 33.0	2.3	5.9	Y
771	Approved	12/5/2019 - 11/13/2024	1.7 - 49.0	2.7	9.2	Y
877	Approved	11/5/2020 - 11/13/2024	1.7 - 1600.0	3.6	22.7	Y
879	Approved	11/5/2020 - 11/13/2024	1.7 - 130.0	3.1	13.8	Y
880	Approved	10/27/2020 - 11/13/2024	1.7 - 79.0	2.4	7	Y
368	Prohibited	12/5/2019 - 11/13/2024	1.7 - 23.0	3.0	8.8	Y
631	Prohibited	12/5/2019 - 11/13/2024	1.7 - 17.0	2.3	5	Y
688	Prohibited	12/5/2019 - 11/13/2024	1.7 - 33.0	2.9	9	Y
689	Prohibited	12/5/2019 - 11/13/2024	1.7 - 79.0	2.9	10.6	Y
690	Prohibited	12/5/2019 - 11/13/2024	1.7 - 33.0	2.6	7.5	Y
691	Prohibited	12/5/2019 - 11/13/2024	1.7 - 13.0	2.2	4.6	Y

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
692	Prohibited	12/5/2019 - 11/13/2024	1.7 - 22.0	2.2	4.8	Y
878	Prohibited	11/5/2020 - 11/13/2024	1.7 - 17.0	2.8	7.6	Y
363	Unclassified	12/5/2019 - 11/13/2024	1.7 - 350.0	3.0	12.1	Y
900	Unclassified	2/16/2023 - 11/13/2024	1.7 - 33.0	3.8	13.2	*N/A
901	Unclassified	2/16/2023 - 11/13/2024	1.7 - 46.0	3.4	16.1	*N/A
902	Unclassified	2/16/2023 - 11/13/2024	1.7 - 13.0	3.2	8.9	*N/A
903	Unclassified	2/16/2023 - 11/13/2024	1.7 - 13.0	2.8	6.5	*N/A

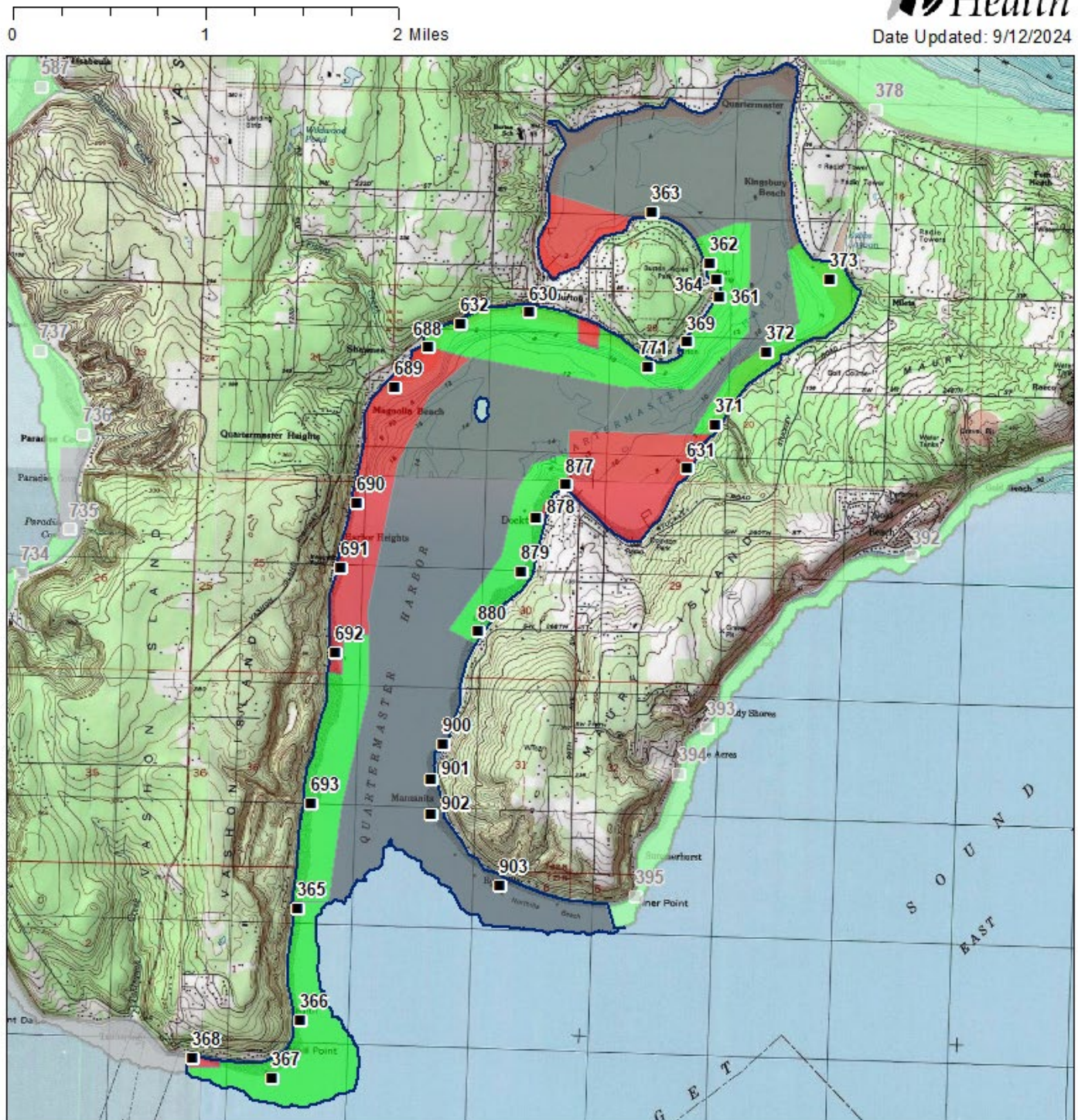
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

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

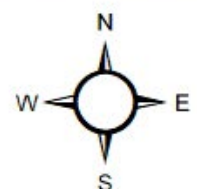
MAP 1. Quartermaster Harbor Growing Area

Quartermaster Harbor

Washington State Department of
Health
Date Updated: 9/12/2024



Classification	Sampling Stations
■ Approved	■
■ Conditional	
■ Prohibited	
■ Restricted	
■ Unclassified	



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