

Harstine East

Annual Shellfish Growing Area Review



Prepared By: Michael Frieese

Area: Harstine East

Year Ending: December 31, 2024

Classification: Approved

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. No additional activities have been documented in the growing area. The Department evaluated four parcels in 2022. Since the removal of plumbing in the structures on parcels 120205000028 and 120205000020 had eliminated the greywater discharges, these parcels as well as parcel 120205000019 were reopened on 5/18/2022 to commercial shellfish harvest. Parcel 120205000023 will be re-evaluated by the Department to establish a permanent classification for this parcel.

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.

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 Harstine East Growing Area

Sampling Event Type: Regulatory

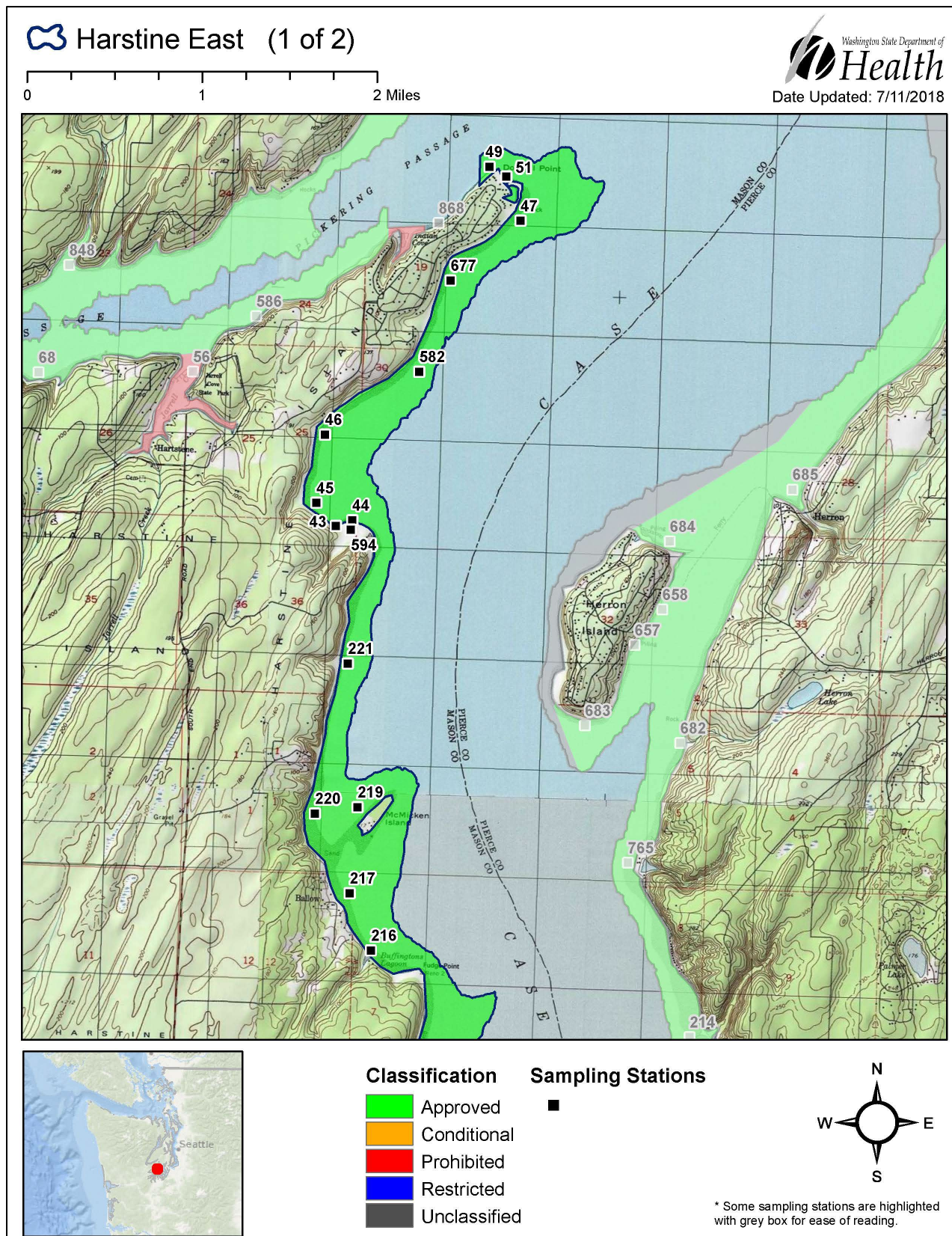
Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
43	Approved	1/6/2020 - 11/18/2024	1.7 - 14.0	2.3	4.8	Y
44	Approved	12/3/2019 - 11/18/2024	1.7 - 23.0	1.9	3.5	Y
45	Approved	12/3/2019 - 11/18/2024	1.7 - 13.0	2.0	3.7	Y
46	Approved	12/3/2019 - 11/18/2024	1.7 - 33.0	2.0	4.2	Y
47	Approved	8/20/2019 - 11/18/2024	1.7 - 33.0	2.0	4.2	Y
49	Approved	12/3/2019 - 11/18/2024	1.7 - 130.0	2.1	5.8	Y
51	Approved	12/3/2019 - 11/18/2024	1.7 - 22.0	2.0	3.7	Y
216	Approved	12/3/2019 - 11/18/2024	1.7 - 11.0	2.0	3.3	Y
217	Approved	12/3/2019 - 11/18/2024	1.7 - 17.0	2.3	5.2	Y
219	Approved	12/3/2019 - 11/18/2024	1.7 - 4.5	1.8	2.5	Y
220	Approved	12/3/2019 - 11/18/2024	1.7 - 7.8	1.8	2.6	Y
221	Approved	12/3/2019 - 11/18/2024	1.7 - 7.8	1.8	2.6	Y
582	Approved	12/3/2019 - 11/18/2024	1.7 - 2.0	1.7	1.8	Y
594	Approved	12/3/2019 - 11/18/2024	1.7 - 33.0	2.4	6.5	Y
634	Approved	12/3/2019 - 11/18/2024	1.7 - 33.0	1.9	4.0	Y
635	Approved	12/3/2019 - 11/18/2024	1.7 - 2.0	1.7	1.8	Y
664	Approved	12/3/2019 - 11/18/2024	1.7 - 2.0	1.7	1.8	Y
677	Approved	12/3/2019 - 11/18/2024	1.7 - 33.0	2.4	6.7	Y
781	Approved	12/3/2019 - 11/18/2024	1.7 - 4.5	1.8	2.5	Y
851	Approved	12/3/2019 - 11/18/2024	1.7 - 2.0	1.7	1.8	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. Harstine East Growing Area (1 of 2)



MAP 2. Harstine East Growing Area (2 of 2)

