

# Port Orchard Passage

## Annual Shellfish Growing Area Review



Prepared By: Patrick Biondo

Area: Port Orchard Passage

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, and follow-up shoreline sampling will continue in 2025. Kitsap County continues to evaluate the area around the parcel closures in three drainage sites. No new or changes in pollution sources were identified that impacted Approved portions of the growing area.

The growing area had two emergency closures due to pollution concerns. From 1/10/2024 to 1/31/2024, a portion of the western shoreline centered around Illahee Creek was closed for harvest due to a sewage discharge. On 12/2/2024, a portion of the northern Approved area adjacent to the Prohibited area was closed due to a sewage spill. The area was reopened on 12/3/2024 due to updated information.

### 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 2023 Port Orchard Passage 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 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
436	Approved	11/16/2019 - 11/12/2024	1.7 - 79.0	2.3	6.9	Y
437	Approved	11/16/2019 - 11/12/2024	1.7 - 7.8	2.0	3.0	Y
438	Approved	11/16/2019 - 11/12/2024	1.7 - 22.0	2.0	3.7	Y
439	Approved	11/16/2019 - 11/12/2024	1.7 - 31.0	1.9	3.8	Y
440	Approved	11/16/2019 - 11/12/2024	1.7 - 4.5	1.9	2.6	Y
441	Approved	11/16/2019 - 11/12/2024	1.7 - 17.0	2.1	4.5	Y
443	Approved	11/16/2019 - 11/12/2024	1.7 - 11.0	1.9	3.3	Y
444	Approved	11/16/2019 - 11/12/2024	1.7 - 540.0	2.5	10.9	Y
445	Approved	11/16/2019 - 11/12/2024	1.7 - 23.0	2.1	4.3	Y
446	Approved	11/16/2019 - 11/12/2024	1.7 - 33.0	2.4	6.4	Y
448	Approved	11/16/2019 - 11/12/2024	1.7 - 7.8	2.1	3.5	Y
449	Approved	11/16/2019 - 11/12/2024	1.7 - 23.0	2.3	5.0	Y
450	Approved	11/16/2019 - 11/12/2024	1.7 - 11.0	2.1	3.8	Y
451	Approved	11/16/2019 - 11/12/2024	1.7 - 70.0	2.3	6.0	Y
452	Approved	11/16/2019 - 11/12/2024	1.7 - 49.0	2.3	5.8	Y
453	Approved	11/16/2019 - 11/12/2024	1.7 - 4.5	1.9	2.8	Y
454	Approved	11/16/2019 - 11/12/2024	1.7 - 23.0	2.7	7.5	Y
455	Approved	11/16/2019 - 11/12/2024	1.7 - 6.8	1.8	2.5	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.

**TABLE 1. Summary of Marine Water Data (SRS) for the Port Orchard Passage Growing Area continued.**

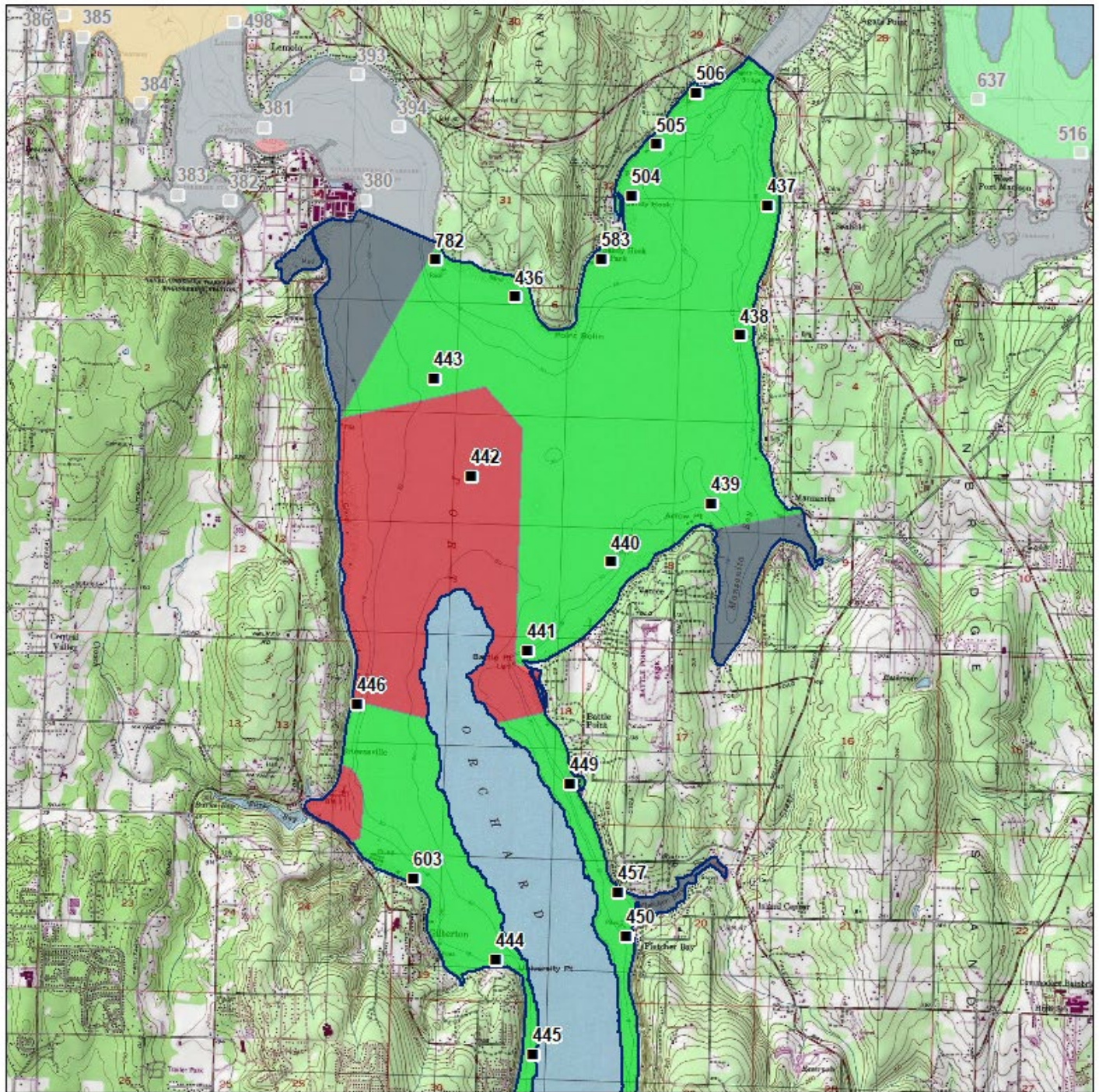
Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
456	Approved	11/16/2019 - 11/12/2024	1.7 - 31.0	2.2	5.4	Y
457	Approved	11/16/2019 - 11/12/2024	1.7 - 64.0	3.4	12.4	Y
504	Approved	11/16/2019 - 11/12/2024	1.7 - 46.0	2.3	6.3	Y
505	Approved	11/16/2019 - 11/12/2024	1.7 - 14.0	2.1	4.2	Y
506	Approved	11/16/2019 - 11/12/2024	1.7 - 4.5	1.9	2.8	Y
583	Approved	11/16/2019 - 11/12/2024	1.7 - 2.0	1.7	1.9	Y
603	Approved	11/16/2019 - 11/12/2024	1.7 - 33.0	2.8	9.3	Y
753	Approved	11/16/2019 - 11/12/2024	1.7 - 79.0	2.8	8.3	Y
754	Approved	11/16/2019 - 11/12/2024	1.7 - 13.0	2.6	6.2	Y
755	Approved	11/16/2019 - 11/12/2024	1.7 - 49.0	2.1	4.7	Y
782	Approved	11/16/2019 - 11/12/2024	1.7 - 23.0	2.2	5.0	Y
815	Approved	11/16/2019 - 11/12/2024	1.7 - 49.0	2.2	5.4	Y
442	Prohibited	11/16/2019 - 11/12/2024	1.7 - 14.0	2.0	3.9	Y

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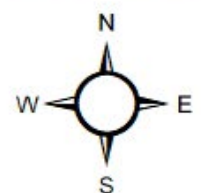
# MAP 1. Port Orchard Passage Growing Area

Port Orchard Passage (1 of 2)

0 1 2 Miles



Classification	Sampling Stations
<span style="color: green;">■</span> Approved	<span style="color: black;">■</span>
<span style="color: orange;">■</span> Conditional	
<span style="color: red;">■</span> Prohibited	
<span style="color: blue;">■</span> Restricted	
<span style="color: grey;">■</span> Unclassified	

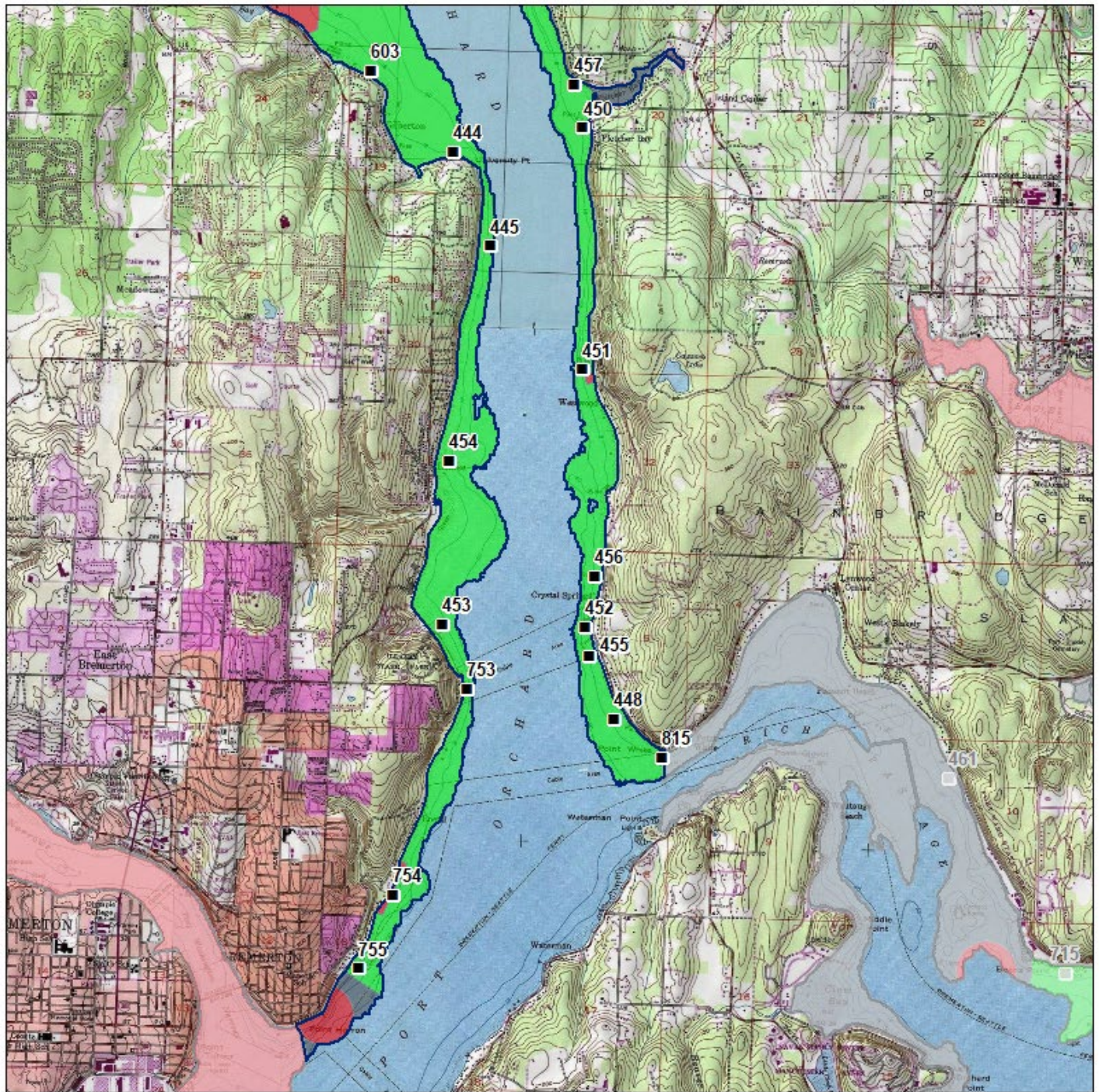


\* Some sampling stations are highlighted with grey box for ease of reading.

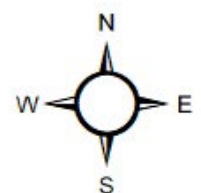
# MAP 1. Port Orchard Passage Growing Area

Port Orchard Passage (2 of 2)

0 1 2 Miles



Classification	Sampling Stations
<span style="color: green;">■</span> Approved	<span style="color: black;">■</span>
<span style="color: orange;">■</span> Conditional	
<span style="color: red;">■</span> Prohibited	
<span style="color: blue;">■</span> Restricted	
<span style="color: grey;">■</span> Unclassified	



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