

# Totten Inlet

## Annual Shellfish Growing Area Review

---



Prepared By: Fiona Dahl

Area: Totten Inlet

Year Ending: December 31, 2024

Classification: Approved

### Activities in the Growing Area in 2024

The growing area was sampled seven times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. There was one additional sampling event to make up for a missed sampling event in 2023. The Department re-evaluated drainage site 10D17 associated with six closed parcels. The Department will continue sampling site 10D17 in 2025 to create a more robust dataset and identify pollution sources. Thurston County and the neighboring homeowner's association continue to work on the evaluation of potential pollution sources impacting this drainage.

Thurston County Environmental Health received grant funding from the National Estuary Program to continue enhanced on-site sewage system O&M in Totten Inlet.

### 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 Totten Inlet Growing Area**

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

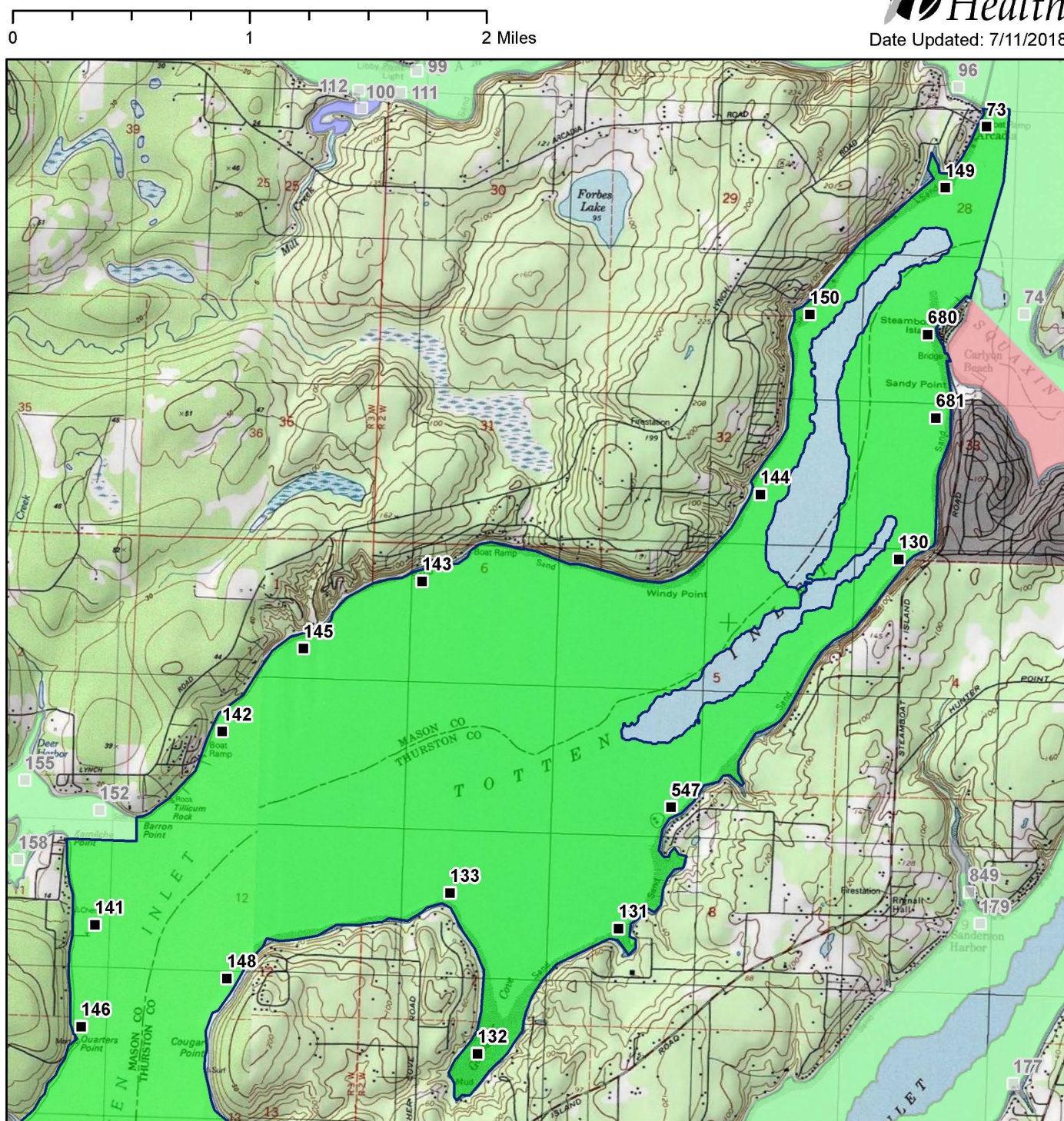
| Station Number | Classification | Date Range            | Range (FC/100mL) | Geomean (FC/100mL) | Est. 90 <sup>th</sup> Percentile (FC/100mL) | Meets Standard |
|----------------|----------------|-----------------------|------------------|--------------------|---|----------------|
| 73             | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 2.0                | 2.9   | Y              |
| 130            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 2.0                | 3.6   | Y              |
| 131            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 33.0       | 2.3                | 5.5   | Y              |
| 132            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 49.0       | 2.8                | 9.9   | Y              |
| 133            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 17.0       | 2.2                | 4.8   | Y              |
| 134            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 2.0                | 3.1   | Y              |
| 135            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 13.0       | 2.3                | 4.8   | Y              |
| 136            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 23.0       | 2.3                | 5.3   | Y              |
| 137            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 22.0       | 2.8                | 6.8   | Y              |
| 138            | Approved       | 12/2/2019 - 11/4/2024 | 1.7 - 17.0       | 2.6                | 6.6   | Y              |
| 139            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 2.0                | 3.3   | Y              |
| 140            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 4.5        | 2.0                | 3.0   | Y              |
| 141            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 8.3        | 1.9                | 2.9   | Y              |
| 142            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 6.8        | 1.9                | 3.0   | Y              |
| 143            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 2.0                | 3.4   | Y              |
| 144            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 4.5        | 1.9                | 2.8   | Y              |
| 145            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 11.0       | 2.1                | 4.0   | Y              |
| 146            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 13.0       | 2.5                | 5.1   | Y              |
| 147            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 1.9                | 2.9   | Y              |
| 148            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 11.0       | 2.2                | 4.3   | Y              |
| 149            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 4.5        | 1.9                | 2.5   | Y              |
| 150            | Approved       | 12/2/2019 - 11/4/2024 | 1.7 - 6.8        | 1.9                | 2.8   | Y              |

| Station Number | Classification | Date Range            | Range (FC/100mL) | Geomean (FC/100mL) | Est. 90 <sup>th</sup> Percentile (FC/100mL) | Meets Standard |
|----------------|----------------|-----------------------|------------------|--------------------|---|----------------|
| 151            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 17.0       | 2.0                | 3.7   | Y              |
| 547            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 4.5        | 1.9                | 2.6   | Y              |
| 584            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 46.0       | 2.5                | 6.3   | Y              |
| 593            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 23.0       | 2.6                | 7.0   | Y              |
| 649            | Approved       | 12/2/2019 - 11/4/2024 | 1.7 - 33.0       | 2.5                | 6.4   | Y              |
| 680            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 7.8        | 1.8                | 2.6   | Y              |
| 681            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 4.5        | 1.8                | 2.3   | Y              |
| 799            | Approved       | 1/14/2020 - 11/4/2024 | 1.7 - 79.0       | 2.7                | 9.7   | 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. Totten Inlet Growing Area (Map 1 of 2)

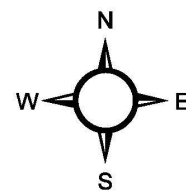
Totten Inlet (1 of 2)



**Classification**

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

**Sampling Stations**

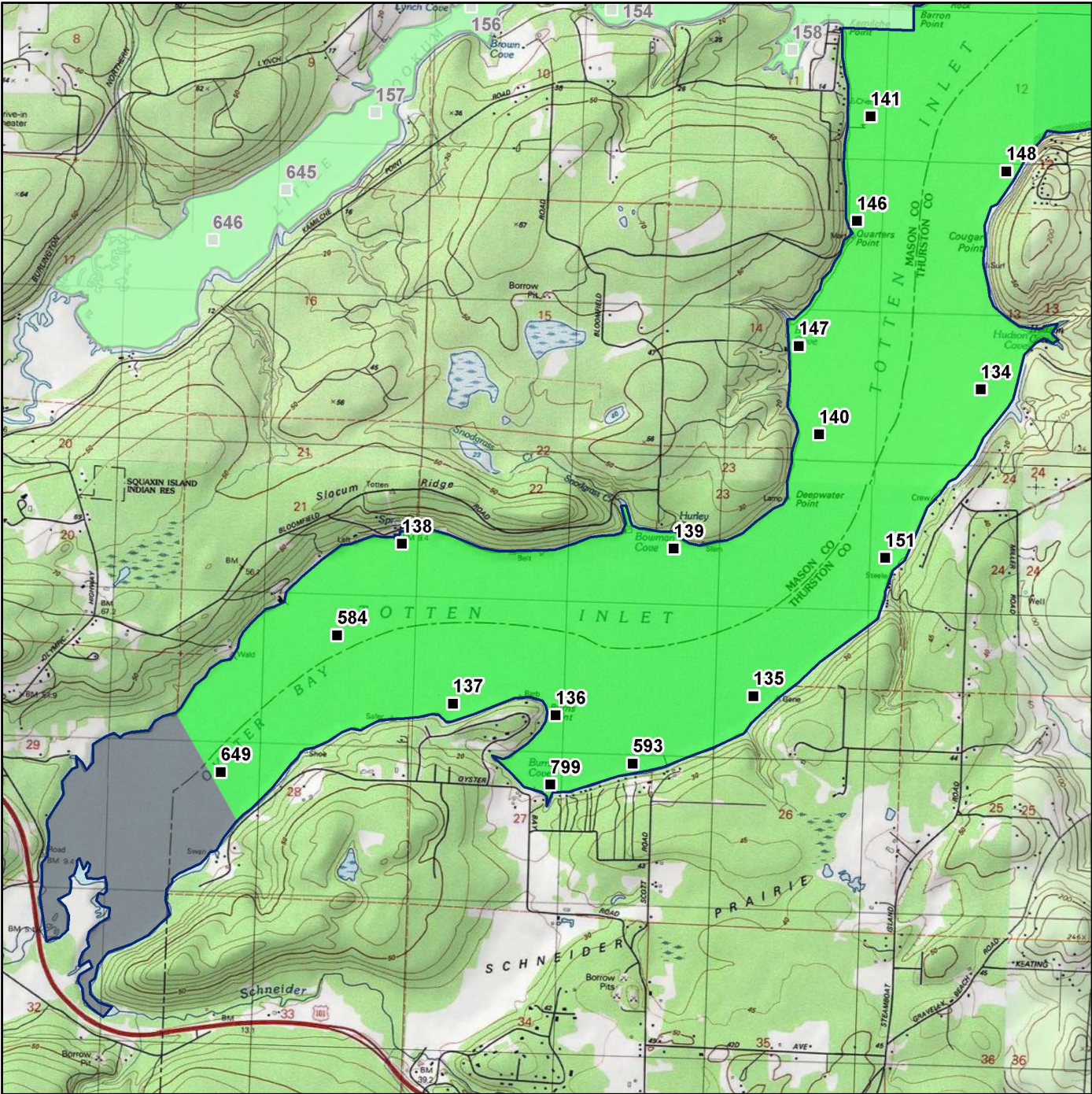
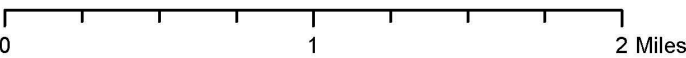


\* Some sampling stations are highlighted with grey box for ease of reading.

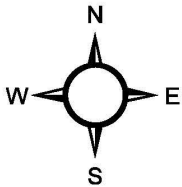


MAP 2. Totten Inlet Growing Area (Map 2 of 2)

Totten Inlet (2 of 2)



| Classification  | Sampling Stations  |
|---|--|
| <span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Approved     | <span style="display:inline-block; width:15px; height:15px; background-color:black; border:1px solid black;"></span> |
| <span style="display:inline-block; width:15px; height:15px; background-color:orange; border:1px solid black;"></span> Conditional |  |
| <span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Prohibited     |  |
| <span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span> Restricted    |  |
| <span style="display:inline-block; width:15px; height:15px; background-color:grey; border:1px solid black;"></span> Unclassified  |  |



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