

Totten Inlet

Annual Shellfish Growing Area Review



Prepared By: Fiona Dahl

Area: Totten Inlet

Year Ending: December 31, 2023

Classification: Approved

Activities in the Growing Area in 2023

The growing area was only sampled five times during the year due to an emergency closure in December. This sample event will be made up for in 2024. All of Totten Inlet was closed once for five days in December due to excessive rainfall (>3.00 inches in 24 hours).

A routine three-year shoreline evaluation was completed, and the Department evaluated 17 agricultural sites, 38 on-site sewage systems (OSS) and bacteria data from 155 drainages sampled by Thurston County Environmental Health (TCEH). Two drainages had water quality concerns and TCEH planned to investigate potential pollution sources. TCEH is continuing to work with the Carlyon Beach Homeowner's Association to clean a failing bioswale impacting drainage site 10D17 associated with parcel closures. Three failing OSS were identified by TCEH, two of which were not impacting the growing area, and one was a Direct Impact (parcel 76200009300). The Department made a closure that includes the implicated parcel as well as parcels 76200009100, 76200009000, 76200008800, and 100 feet into the tidelands.

TCEH 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 th Percentile (FC/100mL)	Meets Standard
73	Approved	11/27/2018 - 10/2/2023	1.7 - 4.5	1.9	2.6	Y
130	Approved	11/27/2018 - 10/2/2023	1.7 - 7.8	2.0	3.3	Y
131	Approved	11/27/2018 - 10/2/2023	1.7 - 13.0	2.0	3.6	Y
132	Approved	11/27/2018 - 10/2/2023	1.7 - 49.0	2.3	6.4	Y
133	Approved	11/27/2018 - 10/2/2023	1.7 - 17.0	2.4	5.5	Y
134	Approved	11/27/2018 - 10/2/2023	1.7 - 7.8	1.9	3.1	Y
135	Approved	11/27/2018 - 10/2/2023	1.7 - 13.0	2.3	4.8	Y
136	Approved	11/27/2018 - 10/2/2023	1.7 - 17.0	2.3	4.6	Y
137	Approved	11/27/2018 - 10/2/2023	1.7 - 22.0	3.0	8.1	Y
138	Approved	9/12/2018 - 10/2/2023	1.7 - 46.0	3.1	9.7	Y
139	Approved	11/27/2018 - 10/2/2023	1.7 - 7.8	2.0	3.1	Y
140	Approved	11/27/2018 - 10/2/2023	1.7 - 4.5	1.9	2.8	Y
141	Approved	11/27/2018 - 10/2/2023	1.7 - 8.3	1.8	2.7	Y
142	Approved	11/27/2018 - 10/2/2023	1.7 - 6.8	1.9	3	Y
143	Approved	11/27/2018 - 10/2/2023	1.7 - 6.1	1.9	2.9	Y
144	Approved	11/27/2018 - 10/2/2023	1.7 - 4.5	1.9	2.6	Y
145	Approved	11/27/2018 - 10/2/2023	1.7 - 17.0	2.2	4.8	Y
146	Approved	11/27/2018 - 10/2/2023	1.7 - 7.8	2.2	4.1	Y
147	Approved	11/27/2018 - 10/2/2023	1.7 - 4.5	1.8	2.3	Y
148	Approved	11/27/2018 - 10/2/2023	1.7 - 11.0	2.2	4.5	Y
149	Approved	11/27/2018 - 10/2/2023	1.7 - 4.5	1.8	2.3	Y
150	Approved	9/12/2018 - 10/2/2023	1.7 - 22.0	2.0	4.1	Y
151	Approved	11/27/2018 - 10/2/2023	1.7 - 17.0	2.2	4.2	Y
547	Approved	11/27/2018 - 10/2/2023	1.7 - 13.0	1.9	3.3	Y
584	Approved	11/27/2018 - 10/2/2023	1.7 - 46.0	2.6	7	Y
593	Approved	11/27/2018 - 10/2/2023	1.7 - 17.0	2.3	5	Y
649	Approved	9/12/2018 - 10/2/2023	1.7 - 33.0	2.9	8.5	Y
680	Approved	11/27/2018 - 10/2/2023	1.7 - 7.8	1.8	2.6	Y
681	Approved	11/27/2018 - 10/2/2023	1.7 - 4.0	1.8	2.2	Y
799	Approved	11/27/2018 - 10/2/2023	1.7 - 79.0	2.5	7.8	Y

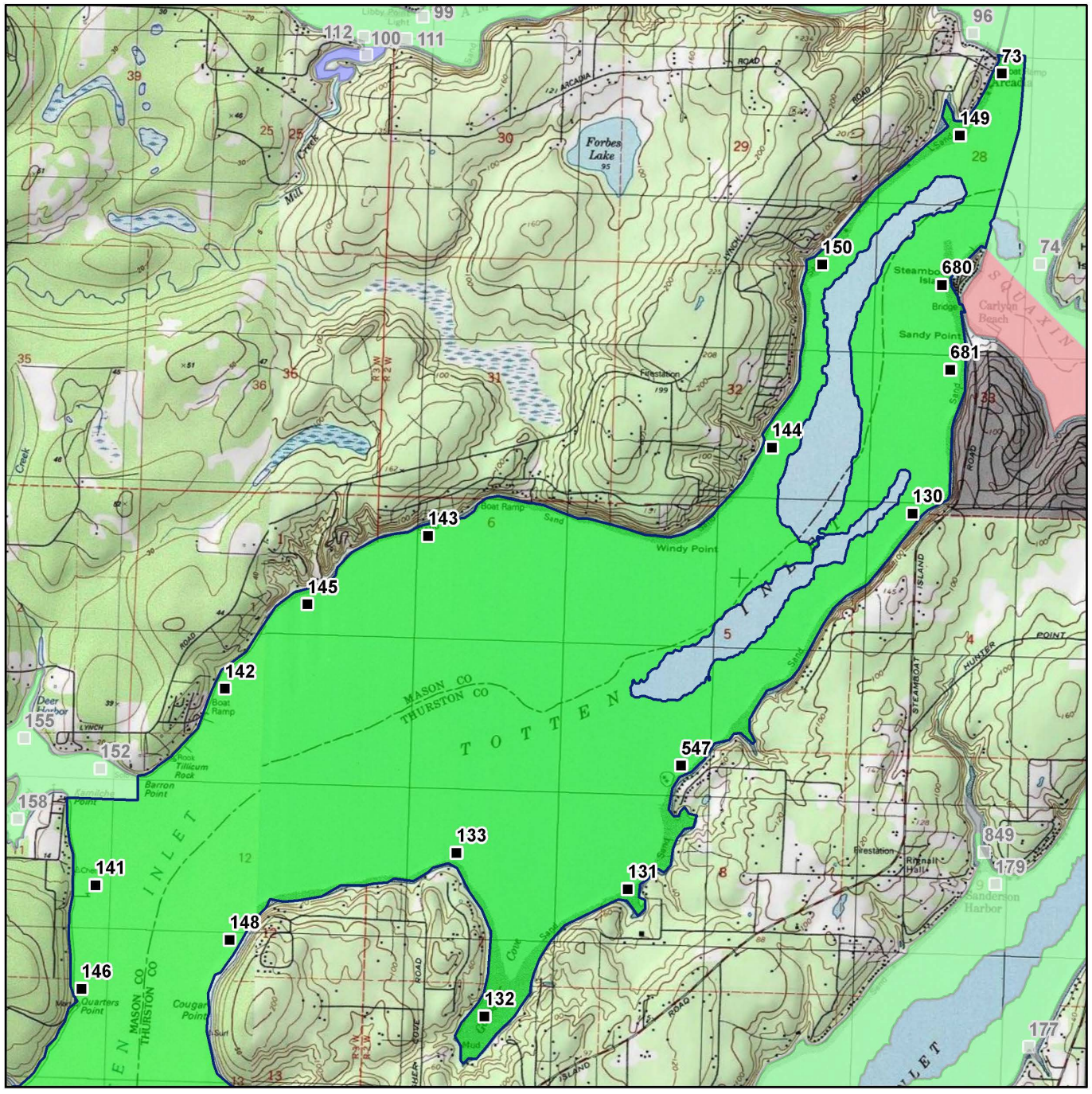
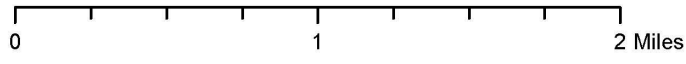
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Totten Inlet Growing Area (1 of 2)

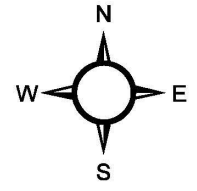
Totten Inlet (1 of 2)



Date Updated: 7/11/2018



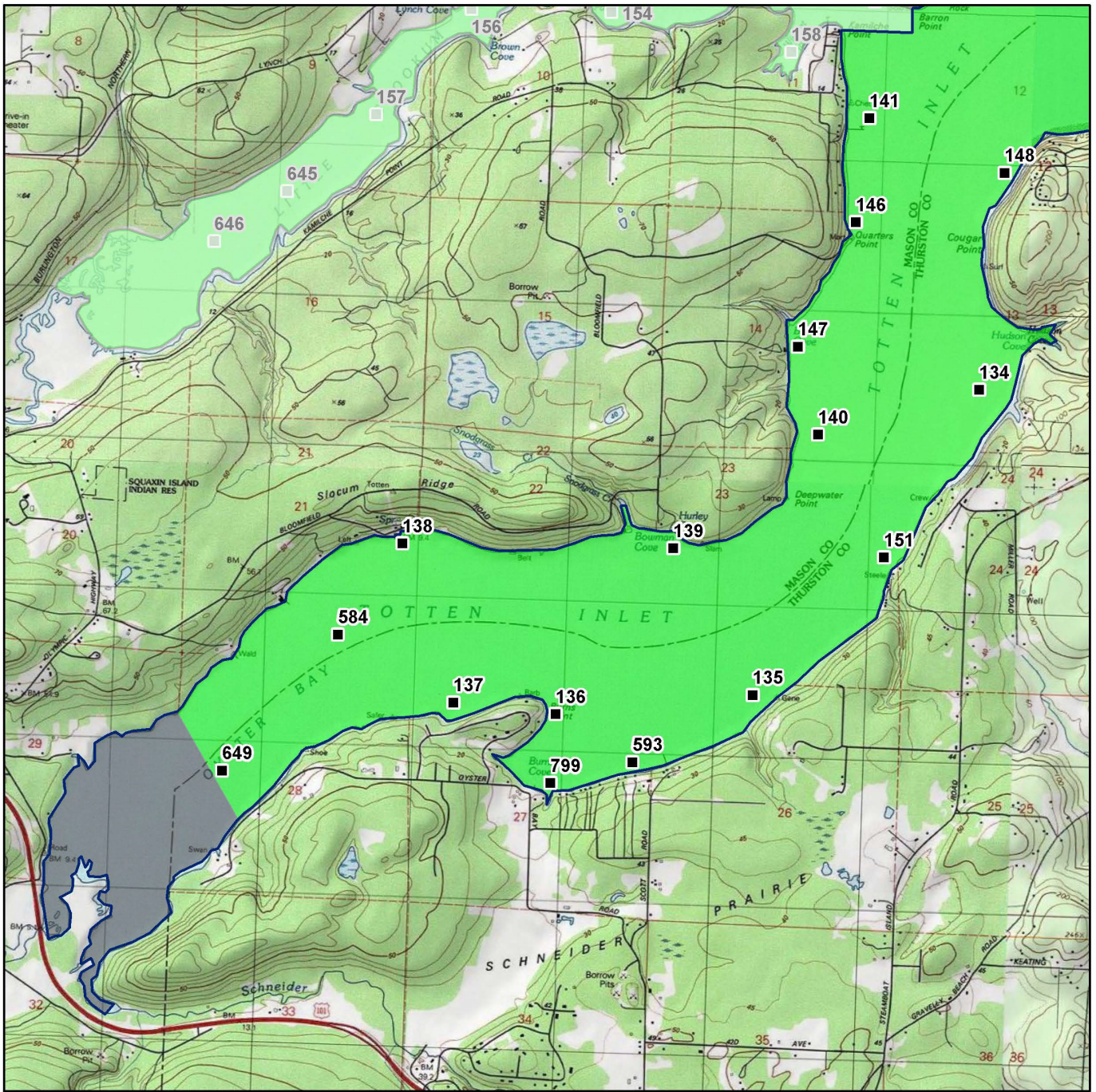
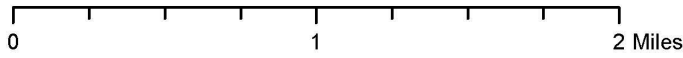
Classification		Sampling Stations
	Approved	
	Conditional	
	Prohibited	
	Restricted	
	Unclassified	



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

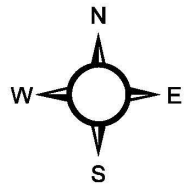
MAP 2. Totten Inlet Growing Area (2 of 2)

Totten Inlet (2 of 2)



Classification	
	Approved
	Conditional
	Prohibited
	Restricted
	Unclassified

Sampling Stations



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