

# Quilcene Bay

## Annual Shellfish Growing Area Review



Prepared By: Liz Maier

Area: Quilcene Bay

Year Ending: December 31, 2024

Classification: Approved, Conditionally 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. Three sampling events occurred during the Open status for the Conditionally Approved area around Herb Beck Marina. The Conditionally Approved area was closed to harvest for 153 days from May 1 through September 30 due to seasonal boat usage.

Jefferson County Environmental Health received EPA National Estuary Program funds for on-site sewage system repair, replacement, and decommissioning/abatement in areas with potential to affect the growing area. Jefferson County also continued their pollution identification and correction work and their sewage system operations and maintenance program (O&M) in the region.

### Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area through December 2024. This summary shows that all stations except Approved Station 123 passed the NSSP water quality standard. Station 123 had an estimated 90<sup>th</sup> percentile of 44.5 FC/100 mL, however data through February 2025 show that the estimated 90<sup>th</sup> percentile has decreased to 34.7 FC/100 mL and Station 123 is now passing the standard with a Threatened status. This station is in Point Whitney Lagoon, a public recreational shellfish beach at the entrance to Quilcene Bay.

### 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

With the addition of February 2025 data, all stations pass the NSSP standard and the area is classified correctly.

## Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management plan ..... Yes
2. Has reporting been adequate to manage the conditional area..... Yes
3. Does the area consistently meet approved area criteria when it is open for harvest ..... Yes
4. Has a field inspection of critical pollution sources been conducted ..... Yes

**TABLE 1. Summary of Marine Water Data (SRS) for the Quilcene Bay 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
114	Approved	1/13/2020 - 11/21/2024	1.7 - 1600.0	4.1	27.5	Y
115	Approved	12/2/2019 - 11/21/2024	1.7 - 49.0	3.3	12.6	Y
116	Approved	1/13/2020 - 11/21/2024	1.7 - 1600.0	3.6	24.2	Y
117	Approved	1/13/2020 - 11/21/2024	1.7 - 170.0	2.8	11.5	Y
118	Approved	1/13/2020 - 11/21/2024	1.7 - 170.0	2.6	9.0	Y
119	Approved	4/29/2020 - 11/21/2024	1.7 - 350.0	2.5	10.0	Y
123	Approved	1/28/2020 - 11/20/2024	1.7 - 240.0	5.7	44.5	N
308	Approved	1/13/2020 - 11/21/2024	1.7 - 70.0	2.2	5.5	Y
312	Approved	1/13/2020 - 11/21/2024	1.7 - 79.0	3.5	15.3	Y
321	Approved	1/13/2020 - 11/21/2024	1.7 - 240.0	3.6	17.0	Y
322	Approved	1/13/2020 - 11/21/2024	1.7 - 130.0	2.5	8.6	Y
120	Unclassified	1/13/2020 - 11/21/2024	1.7 - 350.0	4.9	27.1	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 2. Marine Water Quality Summary for Station 123 in Quilcene Bay**

Station: 123

Classification: Approved

Method: SRS

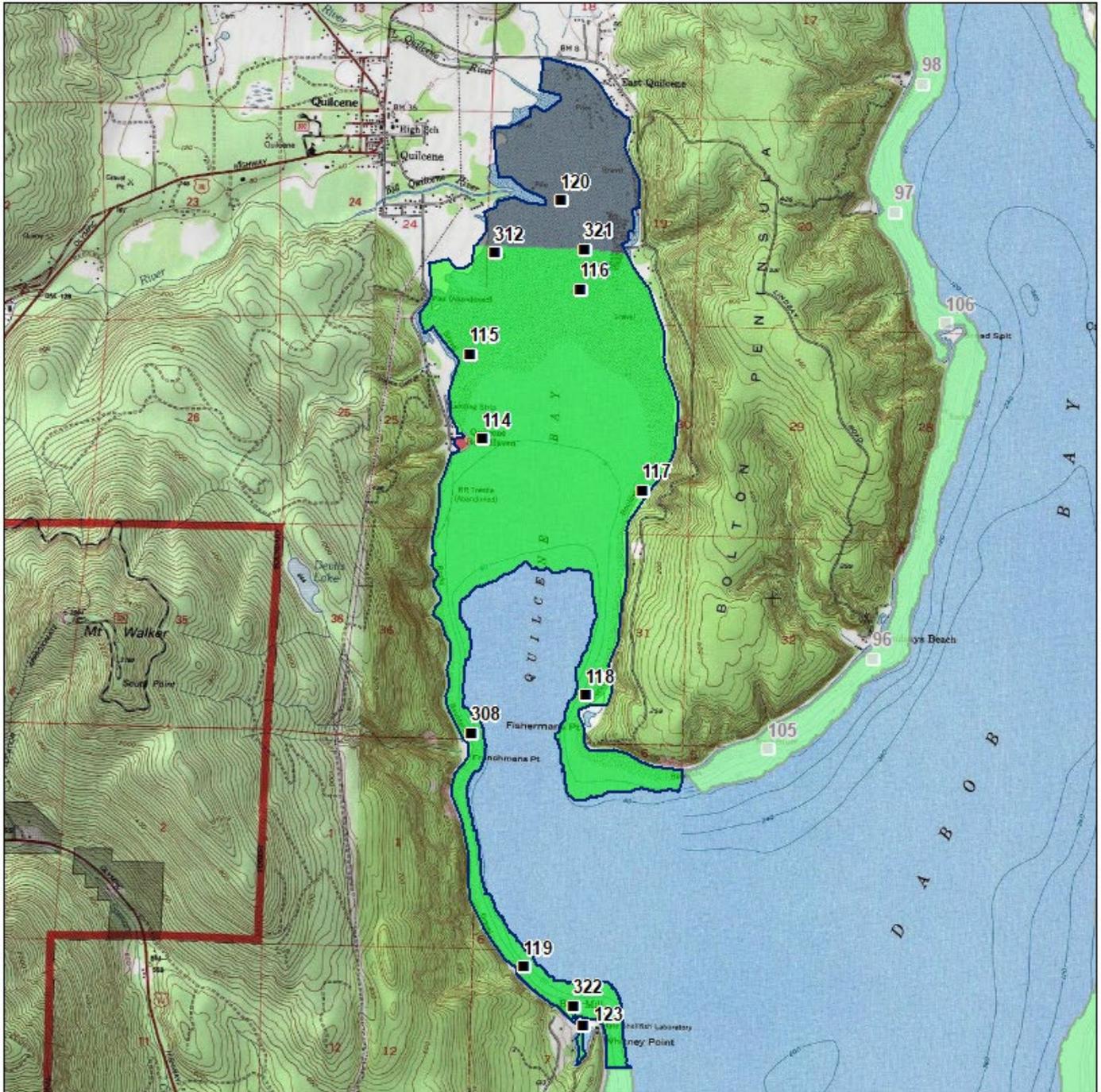
<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 240.0</b> <b>GeoMean (FC/100 mL): 5.7</b>				<b>Date Range: 01/28/2020 - 11/20/2024</b> <b>E90th (FC/100 mL): 44.5</b> <b>Meets Standard: N</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
01/28/2020	Regulatory	10:00	Ebb		20	110.0
03/24/2020	Regulatory	10:48	Ebb	10	30	1.7
05/11/2020	Regulatory	11:31	Ebb	18	24	2.0
07/08/2020	Regulatory	10:15	Ebb	19	25	1.7
09/08/2020	Regulatory	10:39	Ebb	16	30	1.7
11/03/2020	Regulatory	10:27	Ebb	11	28	33.0
02/25/2021	Regulatory	10:55	Flood	9	26	1.7
04/14/2021	Regulatory	10:46	Ebb	13	26	1.7
06/15/2021	Regulatory	11:19	Ebb	20	25	1.7
08/24/2021	Regulatory	11:10	Ebb	22	30	1.7
10/26/2021	Regulatory	12:32	Ebb	11	24	79.0
12/07/2021	Regulatory	11:57	Ebb	8	25	4.5
01/20/2022	Regulatory	11:52	Ebb	8	20	1.7
03/07/2022	Regulatory	11:06	Ebb	8	13	170.0
05/03/2022	Regulatory	10:17	Ebb	13	23	1.7
07/18/2022	Regulatory	11:20	Ebb	19	23	13.0
10/03/2022	Regulatory	12:11	Flood	17	29	1.7
11/16/2022	Regulatory	12:42	Ebb	9	32	1.7
02/09/2023	Regulatory	10:58	Ebb	8	26	1.7
04/24/2023	Regulatory	10:05	Ebb	11	27	1.7
06/21/2023	Regulatory	09:35	Ebb	17	28	13.0
08/03/2023	Regulatory	08:40	Ebb	20	29	7.8
10/03/2023	Regulatory	10:43	Ebb	14	30	2.0
12/21/2023	Regulatory	09:13	Flood	9	26	4.0
01/02/2024	Regulatory	11:22	Ebb	7	22	11.0
03/28/2024	Regulatory	10:10	Ebb	10	22	240.0
05/09/2024	Regulatory	09:00	Ebb	14	24	2.0
07/23/2024	Regulatory	08:05	Ebb	21	26	13.0
09/19/2024	Regulatory	08:35	Ebb	17	28	4.0
11/20/2024	Regulatory	10:00	Ebb	9	19	49.0

MAP 1. Quilcene Bay Growing Area

 Quilcene Bay

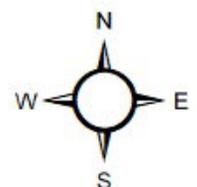


Date Updated: 4/30/2020



Classification	Color
Approved	Green
Conditional	Orange
Prohibited	Red
Restricted	Blue
Unclassified	Grey

Sampling Stations



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