

Quilcene Bay

Annual Shellfish Growing Area Review



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Area: Quilcene Bay

Year Ending: December 31, 2019

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2019

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Conditionally Approved portion of the growing area was closed to harvest from May 1 through September 30 in accordance with the Conditionally Approved Area Management Plan.

Jefferson County Environmental Health has been issuing on-site septic system operation and maintenance rebates through the Hood Canal Pollution Identification and Correction (PIC) program. Jefferson County Environmental Health also received EPA National Estuary Program funds for on-site septic system repair, replacement, and decommissioning/abatement in areas with potential to affect the growing area. Jefferson County continues to work to improve water quality in shellfish growing areas through PIC program efforts.

Analytical Results of Water Samples

Table 1 summarizes the 30 most recent samples collected from each of the sampling stations. This summary shows that all stations in the area pass the NSSP water quality standard. Station 321 has 29 samples and Station 322 has 10 samples. Stations 116 and 123 are in Concerned status, with estimated 90th percentiles of 21.2 FC/100mL and 24.5 FC/100mL, respectively.

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 some concerns
- 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 standards for an Approved classification and the area is correctly classified.

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) 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 th Percentile (FC/100mL)	Meets Standard
114	Approved	6/22/2015 - 12/2/2019	1.7 - 79.0	3.5	14.2	Y
115	Approved	4/29/2015 - 12/2/2019	1.7 - 33.0	3.4	11.1	Y
116	Approved	4/29/2015 - 12/2/2019	1.7 - 79.0	4.9	21.2	Y
117	Approved	4/29/2015 - 12/2/2019	1.7 - 31.0	2.3	5.4	Y
118	Approved	4/29/2015 - 12/2/2019	1.7 - 33.0	2.7	7.3	Y
119	Approved	4/29/2015 - 12/2/2019	1.7 - 7.8	2.4	4.8	Y
123	Approved	2/11/2015 - 12/4/2019	1.7 - 130.0	4.8	24.5	Y
308	Approved	4/29/2015 - 12/2/2019	1.7 - 49.0	3.3	11.1	Y
312	Approved	4/29/2015 - 12/2/2019	1.7 - 33.0	3.2	9.9	Y
322	Approved	7/24/2018 - 12/2/2019	1.7 - 7.8	2.3	4.4	*N/A
120	Unclassified	2/24/2015 - 12/2/2019	1.7 - 49.0	5.6	23.7	Y
321	Unclassified	6/14/2017 - 12/2/2019	1.7 - 33.0	4.5	18.3	*N/A

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.

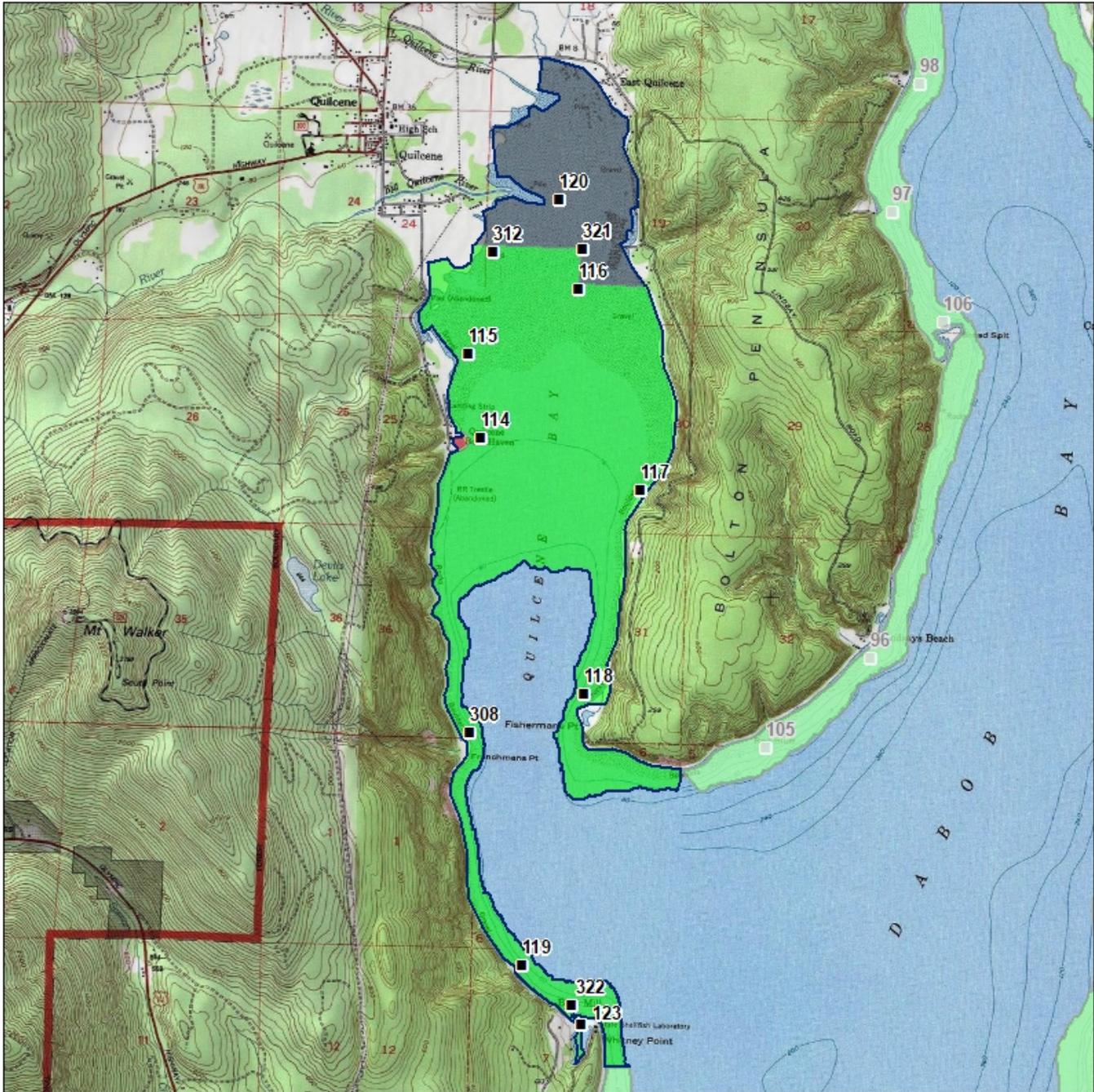
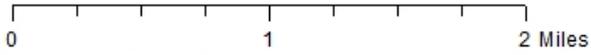
* N/A – SRS criteria require a minimum of 30 samples from each station. *

MAP 1. Quilcene Bay Growing Area

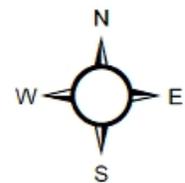
 Quilcene Bay



Date Updated: 8/27/2018



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



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