

Filucy Bay

Annual Shellfish Growing Area Review



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Area: Filucy Bay

Year Ending: December 31, 2019

Classification: Conditionally Approved, Restricted

Activities in the Growing Area in 2019

The growing area was sampled 12 times in accordance with the in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. All samples were collected during the Open status. The Conditionally Approved portion of the growing area was closed once for nine days due to rainfall (≥ 1 -inch in 24 hours). All of the Filucy Bay was closed once for seven days due to 3.64 inches of rain recorded in 24 hours. There is an approved relay from the Restricted portion to the Conditionally Approved portion for manila clams.

The Tacoma-Pierce County Health Department, Pierce County Surface Water Management, and Pierce Conservation District continued pollution identification and correction work in the watershed. The Filucy Bay Shellfish Protection District continues to meet quarterly.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. All stations in the Conditionally Approved area meet NSSP standards for an Approved classification. However, there is no rainfall-related sampling data (Closed status) in the most recent 30 sample dataset. Stations 764 is in Concerned status with an estimated 90th percentile of 20.5 FC/100mL during Open status.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating the area has any 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

Because no rainfall-related sampling data were collected from 2017 through 2019, special studies that include rainfall event sampling (exceeding 1-inch in 24 hours) should be completed prior to a classification change.

The Department should continue to work with Tacoma-Pierce County Health Department, Pierce County Surface Water Management, Pierce Conservation District, and others to identify and correct sources of pollution in the watershed.

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) Filucy 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
274	Conditionally Approved	7/12/2017 - 12/19/2019	1.7 - 130.0	3.4	13.3	Y
278	Conditionally Approved	7/12/2017 - 12/19/2019	1.7 - 110.0	3.8	14.4	Y
279	Conditionally Approved	7/12/2017 - 12/19/2019	1.7 - 170.0	4.4	17.4	Y
764	Conditionally Approved	7/12/2017 - 12/19/2019	1.7 - 49.0	5.0	20.5	Y
276	Prohibited	7/12/2017 - 12/19/2019	1.7 - 49.0	3.5	12.0	Y
275	Restricted	7/12/2017 - 12/19/2019	1.7 - 240.0	8.8	54.1	N

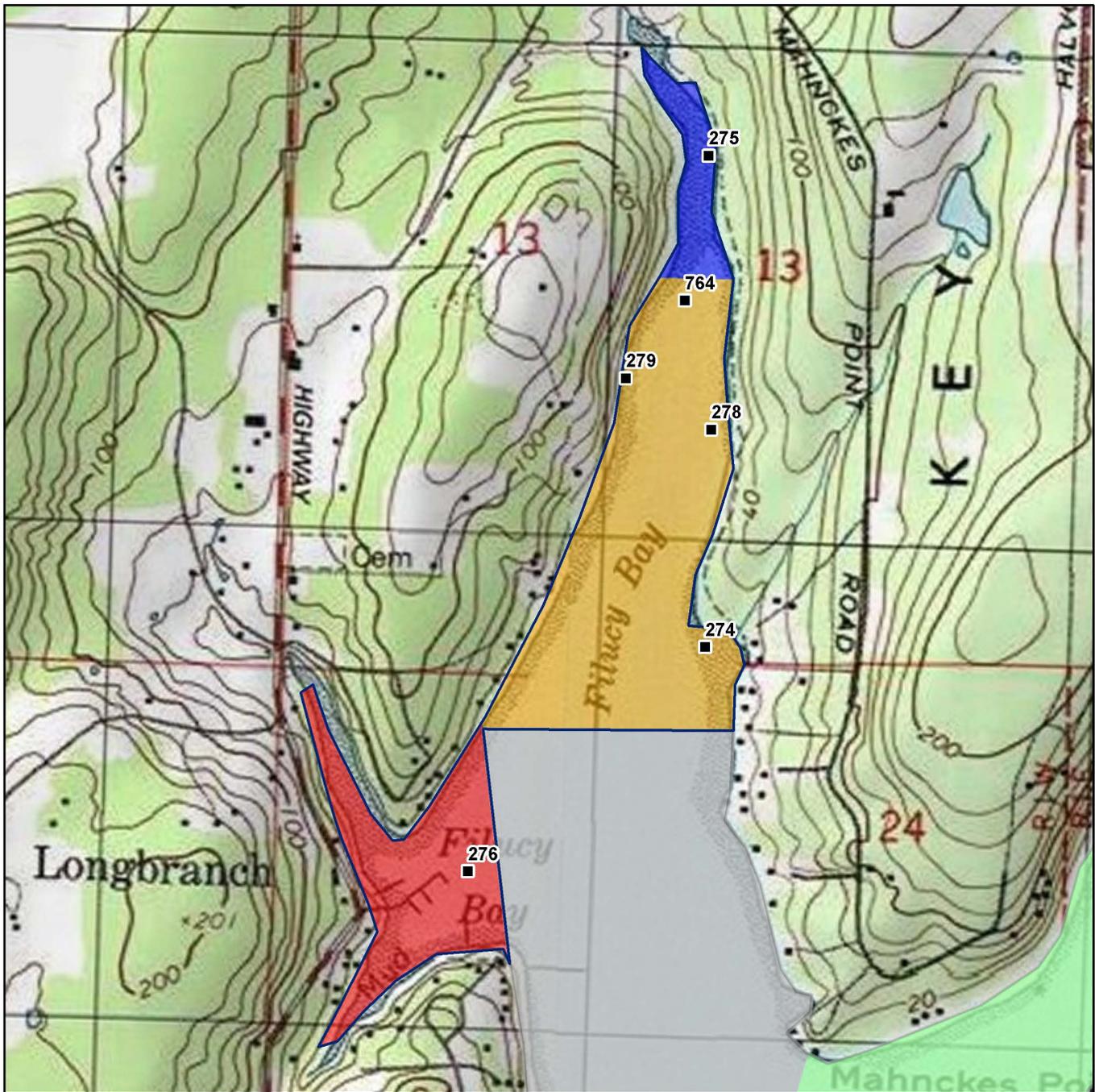
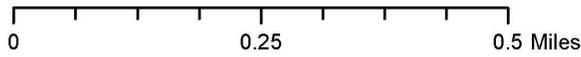
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Filucy Bay Growing Area

Filucy Bay

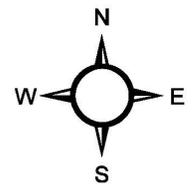


Date Updated: 7/11/2018



- Classification**
- Approved
 - Conditional
 - Prohibited
 - Restricted
 - Unclassified

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