

Penrose Point

Annual Shellfish Growing Area Review



Prepared By: Liz Maier

Area: Penrose Point

Year Ending: December 31, 2022

Classification: Approved, Prohibited

Activities in the Growing Area in 2022

All stations in the growing area were sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A portion of the growing area was in Inactive status from 2017 through 2021 including marine water stations 296, 640, 641, 642, and 573. The Inactive area was placed back into Active status beginning January 1, 2022.

A routine three-year shoreline evaluation was completed. From 2017 to 2022, Tacoma-Pierce County Health Department (TPCHD) sampled 29 drainages. Elevated bacteria concentrations were detected at seven drainages, but none were impacting the Approved area due to low discharge rates. No significant changes to pollution sources or Direct or Indirect impacts were identified during the shoreline re-evaluation.

The Washington State Department of Natural Resources (DNR) and the Recreational Boating Association of Washington Marine Parks Conservancy purchased Lakebay Marina in Mayo Cove in December 2021. In September 2022, DNR reported the property was being used for light day-use activities only. DNR was in the process of hiring a firm to design and permit the redevelopment of the property and was working with TPCHD to address a septic system issue.

Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 samples collected from each marine water station. This summary shows that all stations meet 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 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 standard for an Approved classification and the area is correctly classified. The Department should monitor facility upgrades at Lakebay Marina and potential impacts to the growing area.

TABLE 1. Summary of Marine Water Data (SRS) for the Penrose Point 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
295	Approved	4/3/2018 - 12/7/2022	1.7 - 4.5	1.8	2.5	Y
296	Approved	1/6/2015 - 12/7/2022	1.7 - 23.0	1.9	3.7	Y
573	Approved	11/3/2015 - 12/7/2022	1.7 - 6.8	2.0	3.2	Y
595	Approved	4/3/2018 - 12/7/2022	1.7 - 17.0	2.3	4.9	Y
596	Approved	5/16/2017 - 12/7/2022	1.7 - 49.0	2.2	5.4	Y
640	Approved	1/6/2015 - 12/7/2022	1.7 - 14.0	3.6	10.1	Y
641	Approved	1/6/2015 - 12/7/2022	1.7 - 23.0	2.5	6.5	Y
642	Approved	1/6/2015 - 12/7/2022	1.7 - 33.0	3.4	9.6	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. Penrose Point Growing Area

