

Penn Cove

Annual Shellfish Growing Area Review



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Area: Penn Cove

Year Ending: December 31, 2024

Classification: 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. An annual CAAMP evaluation of the Coupeville WWTP was completed. A reliability evaluation and inspection was also completed at the Penn Cove Park WWTP. No changes to the growing area classification or the CAAMP were needed. Comprehensive evaluation reports are in the central growing area file. A routine three-year shoreline evaluation was completed. No new or changes in pollution sources were identified that impact the growing area.

The City of Coupeville received a National Estuary Program grant to evaluate the feasibility of adding stormwater treatment facilities to stormwater outfalls within the town limits of Coupeville which is being implemented after delays partly due to the COVID-19 pandemic.

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

In 2023, the Department was notified that ICHD identified a failing OSS at 1973 Penn Cove Rd that was discharging directly into Penn Cove. The residence was posted for non-occupancy in 2018 and ICHD stated the home shall remain unoccupied until an OSS repair or replacement is completed. The Department should maintain contact with ICHD regarding this failure to ensure repairs are made prior to reoccupancy. No closure is required at this time.

In January 2024, the Department was notified that ICHD identified a drainfield failure at 1977 Penn Cove Rd via dye testing. The residence is unoccupied and has permits for repairs. However, repairs are currently paused until further assessments are made. The Department should maintain contact with ICHD regarding this failure to ensure repairs are made prior to reoccupancy. No closure is required at this time.

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. The Department recommended maintaining contact with the Island County Health Department regarding two OSS failures.

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 Penn Cove 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
206	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 11.0	1.9	3.2	Y
207	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 6.1	1.8	2.7	Y
208	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 9.3	1.8	2.7	Y
209	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 240.0	2.6	10.3	Y
210	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 13.0	2.1	4.1	Y
215	Conditionally Approved	5/18/2020 - 12/2/2024	1.7 - 4.5	1.9	2.7	Y
217	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 7.8	1.9	3.1	Y
218	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 11.0	2.2	4.1	Y
220	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 4.5	1.8	2.4	Y
221	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 2.0	1.7	1.8	Y
279	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 7.8	2.0	3.2	Y
321	Conditionally Approved	3/16/2020 - 12/2/2024	1.7 - 7.8	1.8	2.6	Y
202	Prohibited	3/16/2020 - 12/2/2024	1.7 - 11.0	1.9	2.9	Y
204	Prohibited	2/3/2020 - 12/2/2024	1.7 - 7.8	2.3	4.2	Y
205	Prohibited	3/16/2020 - 12/2/2024	1.7 - 23.0	2.7	7.2	Y
211	Prohibited	3/16/2020 - 12/2/2024	1.7 - 11.0	1.9	3.1	Y
212	Prohibited	3/16/2020 - 12/2/2024	1.7 - 220.0	2.2	7.0	Y
216	Prohibited	3/16/2020 - 12/2/2024	1.7 - 4.5	1.8	2.2	Y
219	Prohibited	3/16/2020 - 12/2/2024	1.7 - 46.0	2.3	5.8	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. Penn Cove Growing Area

