

Penn Cove

Annual Shellfish Growing Area Review



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Area: Penn Cove

Year Ending: December 31, 2022

Classification: Conditionally Approved, Prohibited

Activities in the Growing Area in 2022

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Annual CAAMP evaluations of the Coupeville and Penn Cove Park wastewater treatment plants were completed and no changes to the classification or the CAAMP were needed.

National Estuary Program grant funded Coupeville Outfall Study to evaluate the feasibility of adding stormwater treatment facilities to stormwater outfalls within the town limits of Coupeville is being implemented after delays partly due to the 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. Station 209 is in Concerned status with an estimated 90th percentile value of 22.2 FC/100 ml.

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.

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	3/11/2019 - 12/12/2022	1.7 - 11.0	1.9	2.9	Y
207	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 6.8	2.0	3.4	Y
208	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 9.3	2.0	3.5	Y
209	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 240.0	3.7	22.2	Y
210	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 13.0	2.3	4.8	Y
215	Conditionally Approved	4/1/2019 - 12/12/2022	1.7 - 6.8	2.0	3.3	Y
217	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 4.5	2.0	3.0	Y
218	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 11.0	2.1	4.0	Y
220	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 33.0	2.1	4.5	Y
221	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 4.5	1.8	2.2	Y
279	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 7.8	1.9	3.0	Y
321	Conditionally Approved	3/11/2019 - 12/12/2022	1.7 - 7.8	1.9	3.1	Y
202	Prohibited	3/11/2019 - 12/12/2022	1.7 - 11.0	2.0	3.3	Y
204	Prohibited	2/4/2019 - 12/12/2022	1.7 - 7.8	2.3	4.5	Y
205	Prohibited	3/11/2019 - 12/12/2022	1.7 - 23.0	2.4	5.7	Y
211	Prohibited	3/11/2019 - 12/12/2022	1.7 - 11.0	2.0	3.4	Y
212	Prohibited	3/11/2019 - 12/12/2022	1.7 - 220.0	2.8	11.2	Y
216	Prohibited	3/11/2019 - 12/12/2022	1.7 - 7.8	2.0	3.1	Y
219	Prohibited	3/11/2019 - 12/12/2022	1.7 - 46.0	2.2	4.9	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.

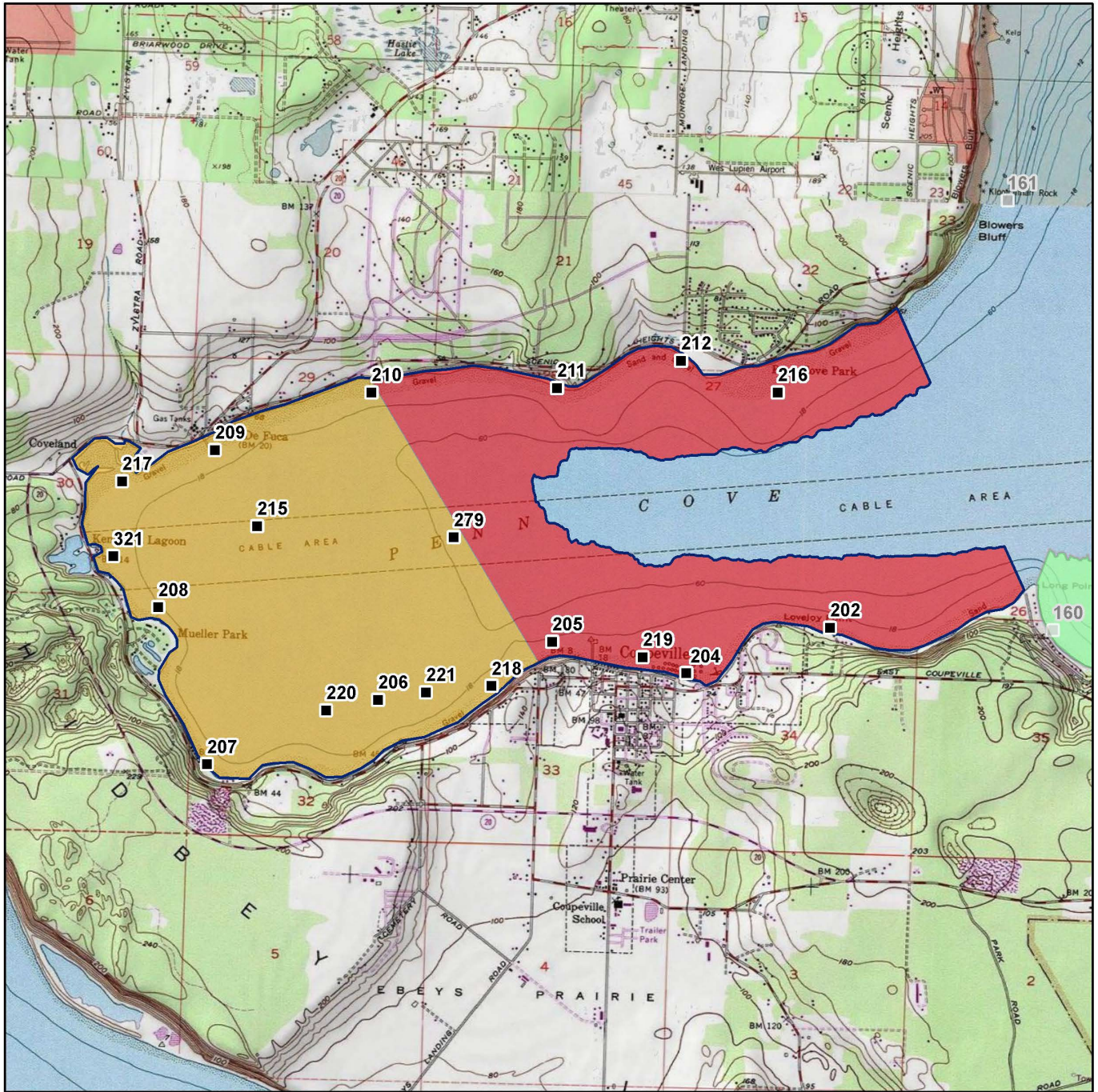
MAP 1. Penn Cove Growing Area

 Penn Cove

0 1 2 Miles

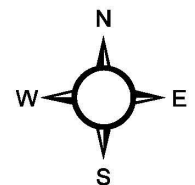


Date Updated: 7/11/2018



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

Sampling Stations



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