

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF SHELLFISH AND WATER PROTECTION**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Mark Toy, Environmental Engineer
AREA: Penn Cove
YEAR ENDING: December 31, 2011
CLASSIFICATION: Conditionally Approved, Prohibited, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2011:

Samples were collected monthly from Penn Cove while in open status under the Adverse Pollution Condition sampling strategy. DOH evaluated the Penn Cove and Coupeville wastewater treatment plants in June. Both plants continue to generally produce a good quality effluent with consistently low levels of fecal coliforms. Coupeville recently developed a stormwater management plan and pre-design report for stormwater infrastructure activities, in response to high levels of fecal coliforms and nutrients from many stormwater discharges into Penn Cove. The report recommends further investigation to determine whether illicit discharges of wastewater are occurring in the drainage system, which may be due to deteriorating sewer lines or laterals that are indirectly leaking into the storm drainage system.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. This summary shows that all stations in the Conditionally Approved area pass 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 a downgrade in classification
- Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Current information indicates that the area is correctly classified as Conditionally Approved

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MANAGEMENT PLAN EVALUATION:

1. Have all parties involved complied with the conditions in 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 (APC)**Growing Area: **PENN COVE**Classification: **Prohibited,Conditionally Approved**From **06/25/2009** To **12/05/2011****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	% Samples > 43	Meets Std.
202	Prohibited	31	1.7 - 13.0	2.2	0.0	Yes
204	Prohibited	31	1.7 - 33.0	2.0	0.0	Yes
205	Prohibited	31	1.7 - 17.0	2.1	0.0	Yes
211	Prohibited	31	1.7 - 23.0	2.0	0.0	Yes
212	Prohibited	31	1.7 - 13.0	2.0	0.0	Yes
216	Prohibited	31	1.7 - 23.0	2.2	0.0	Yes
219	Prohibited	30	1.7 - 14.0	2.5	0.0	Yes
206	Conditionally Approved	31	1.7 - 49.0	1.9	3.2	Yes
207	Conditionally Approved	31	1.7 - 17.0	1.9	0.0	Yes
208	Conditionally Approved	31	1.7 - 23.0	2.3	0.0	Yes
209	Conditionally Approved	31	1.7 - 13.0	2.0	0.0	Yes
210	Conditionally Approved	31	1.7 - 13.0	2.1	0.0	Yes
215	Conditionally Approved	31	1.7 - 13.0	2.0	0.0	Yes
217	Conditionally Approved	31	1.7 - 22.0	2.5	0.0	Yes
218	Conditionally Approved	31	1.7 - 23.0	2.3	0.0	Yes
220	Conditionally Approved	31	1.7 - 79.0	2.1	3.2	Yes
221	Conditionally Approved	31	1.7 - 49.0	2.1	3.2	Yes
279	Conditionally Approved	30	1.7 - 17.0	2.0	0.0	Yes
321	Conditionally Approved	30	1.7 - 31.0	2.6	0.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100ml with not more than 10 percent greater than 43 organisms/100ml. The above table shows bacteriological results in relation to program standards.

