

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

ANNUAL GROWING AREA REVIEW

PREPARED BY: Lawrence Sullivan, Public Health Advisor

AREA: Hood Canal #6

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Conditionally Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2008:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. The conditional area is managed seasonally with a closure occurring annually from May 1 through October 31. Stations in the area that is Conditionally Approved based on a seasonal marina closure were sampled at least three times during the year while in the open status.

Emergency Closure zones were created around two failing on-site sewage systems along the shoreline of the growing area. One system has been repaired and the Emergency Closure lifted. We have removed a portion of the closure zone near Summertide Resort, although part of the area will remain closed and not approved for the commercial harvest of shellfish.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from Approved portion of the area. This summary shows that all stations in the area pass the NSSP water quality standard, although station #218 is of concern due to elevated bacteria levels. Table #2 summarizes the results of all samples collected from Conditionally Approved portion of the area. This summary shows that all stations in the 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:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. Finch Creek is on the 303D list for fecal coliform.

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MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:

1. Have all parties involved complied with the conditions in the management planYes
2. Has reporting been adequate to manage the conditional areaYes
3. Does the area consistently meet approved area criteria when it is open for harvestYes
4. Has a field inspection of critical pollution sources been conducted.....Yes

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: HOOD CANAL #6

Classification: **Approved**

From 11/12/2003 To 11/24/2008

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
192	Approved	31	1.7 - 23.0	2.9	8.0	Yes
207	Approved	31	1.7 - 9.3	2.2	4.0	Yes
209	Approved	31	1.7 - 23.0	3.1	10.0	Yes
210	Approved	31	1.7 - 23.0	2.7	7.0	Yes
212	Approved	31	1.7 - 33.0	2.7	7.0	Yes
213	Approved	32	1.7 - 79.0	3.8	16.0	Yes
214	Approved	31	1.7 - 34.0	2.2	5.0	Yes
215	Approved	30	1.7 - 13.0	2.5	6.0	Yes
216	Approved	31	1.7 - 33.0	3.0	9.0	Yes
217	Approved	31	1.7 - 79.0	3.8	15.0	Yes
218	Approved	30	1.7 - 240.0	4.2	23.0	Yes
219	Approved	31	1.7 - 33.0	3.5	13.0	Yes
220	Approved	31	1.7 - 23.0	3.1	9.0	Yes
221	Approved	31	1.7 - 79.0	2.4	7.0	Yes
222	Approved	31	1.7 - 130.0	3.0	10.0	Yes
223	Approved	32	1.7 - 23.0	2.4	5.0	Yes
224	Approved	31	1.7 - 33.0	3.3	9.0	Yes
225	Approved	31	1.7 - 31.0	3.0	9.0	Yes
226	Approved	31	1.7 - 13.0	2.3	4.0	Yes
227	Approved	31	1.7 - 22.0	2.1	4.0	Yes
228	Approved	31	1.7 - 33.0	2.7	8.0	Yes
229	Approved	31	1.7 - 170.0	2.5	8.0	Yes
230	Approved	31	1.7 - 17.0	2.4	6.0	Yes
231	Approved	31	1.7 - 49.0	2.4	6.0	Yes
232	Approved	30	1.7 - 79.0	3.0	10.0	Yes
233	Approved	30	1.7 - 23.0	2.4	5.0	Yes
298	Approved	30	1.7 - 23.0	3.1	9.0	Yes

All tides information is presented

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

* N/A - SRS criteria require a minimum of 30 samples from each station. *

TABLE 2

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **HOOD CANAL #6**

Classification: **Conditionally Approved**

From **12/06/2004** To **11/24/2008**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
291	Conditionally Approved	30	1.7 - 11.0	2.5	5.0	Yes
292	Conditionally Approved	30	1.7 - 13.0	2.6	5.0	Yes
309	Conditionally Approved	54	1.7 - 240.0	3.4	15.0	Yes

All tides information is presented

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

