

Washington State Department of Health Office of Shellfish And Water Protection

Annual Growing Area Review

PREPARED BY: Tim Determan
AREA: Rocky Bay
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2011:

Rocky Bay was sampled seven times at stations 19, 21-25, and 29. Station 26 was sampled six times. WDOH uses the Systematic Random Sampling method. On November 23rd, the area was closed for six days due to extremely heavy rainfall (3.27 inches at Minter Hatchery). Pierce County continues to take fecal coliform samples and conduct on-site sewage inspection at residences in the watershed.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table 1 summarizes the results of a minimum of the most recent 30 water samples. All stations with the minimum number of fecal coliform results required for evaluation by NSSP (30 results) pass the Approved water quality standard. A new station (780) currently has too few results to provide qualified statistics.

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 all stations qualified meet the NSSP water quality standards for Approved classification. The area is correctly classified. The Washington State Department of Ecology has placed part of Rocky Bay on its 303d list as "impaired" (Category 5) by fecal coliform pollution. The area lies northeast of Station 21.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **ROCKY BAY**

Classification: **Approved, Unclassified**

From 11/16/2006 To 12/01/2011

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
19	Approved	31	1.7 - 17.0	2.4	5.0	Yes
21	Approved	31	1.7 - 23.0	3.0	8.0	Yes
22	Approved	31	1.7 - 49.0	5.6	21.0	Yes
23	Approved	31	1.7 - 4.5	1.9	2.0	Yes
24	Approved	31	1.7 - 49.0	2.8	7.0	Yes
25	Approved	31	1.7 - 70.0	3.5	12.0	Yes
26	Approved	30	1.7 - 14.0	2.3	4.0	Yes
29	Approved	31	1.7 - 130.0	2.3	7.0	Yes
34	Approved	40	1.7 - 23.0	2.3	5.0	Yes
780	Approved	7	1.7 - 33.0	6.3	37.0	*N/A

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. *

Rocky Bay 10/12/10



Map created with TOPO! © 2006 National Geographic, © 2005 Tele Atlas, Rel. 8/2005



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

TN MN
17 1/2
10/12/10