

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

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Agate Passage

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Unclassified

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 attached growing area map shows the boundaries of Agate Passage.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations meet the NSSP water quality standard for an Approved classification.

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 an Approved classification and the area is correctly classified. An unnamed stream that enters the growing area near station #506 is on the 303D list for fecal coliform.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **AGATE PASSAGE**

Classification: **Approved,Unclassified**

From **01/27/2004** To **12/10/2008**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
504	Approved	30	1.7 - 46.0	2.4	6.0	Yes
505	Approved	30	1.7 - 2.0	1.7	1.0	Yes
506	Approved	30	1.7 - 7.8	1.8	2.0	Yes
583	Approved	48	1.7 - 7.8	2.0	3.0	Yes
507	Unclassified	30	1.7 - 7.8	2.2	4.0	Yes
508	Unclassified	30	1.7 - 11.0	1.9	3.0	Yes
597	Unclassified	30	1.7 - 7.8	1.9	3.0	Yes
598	Unclassified	30	1.7 - 17.0	2.0	3.0	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.

