

# Washington State Department of Health Office of Shellfish and Water Protection

## Annual Growing Area Review

**PREPARED BY:** Clyde Bill  
**AREA:** Protection Island  
**YEAR ENDING:** December 31, 2011  
**CLASSIFICATION:** Approved

### Activities in the Growing Area in 2011

Protection Island was sampled six times using the Systematic Random Sampling method.

### Analytical Results of Water Samples

Table 1 shows the results of the 30 most recent water samples collected from the Protection Island growing area. This summary shows that all stations in the Protection Island growing area pass NSSP water quality standards.

### Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating that the Protection Island growing 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 in the Protection Island growing area meet NSSP water quality standards for an Approved classification and that the area is correctly classified.

TABLE 1

**SUMMARY OF MARINE WATER DATA (SRS)**

Growing Area: **PROTECTION ISLAND**

Classification: **Approved**

From **10/30/2006** To **11/08/2011**

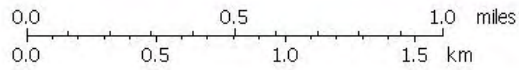
**FECAL COLIFORM ORGANISMS/100 ML**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
42	Approved	33	1.7 - 4.0	1.7	2.0	Yes
43	Approved	33	1.7 - 2.0	1.7	1.0	Yes
68	Approved	30	1.7 - 7.8	2.1	4.0	Yes
69	Approved	31	1.7 - 17.0	2.1	4.0	Yes
70	Approved	31	1.7 - 13.0	1.8	2.0	Yes
71	Approved	31	1.7 - 9.3	1.9	3.0	Yes
183	Approved	30	1.7 - 2.0	1.7	1.0	Yes
184	Approved	30	1.7 - 2.0	1.7	1.0	Yes
185	Approved	30	1.7 - 7.8	1.8	2.0	Yes

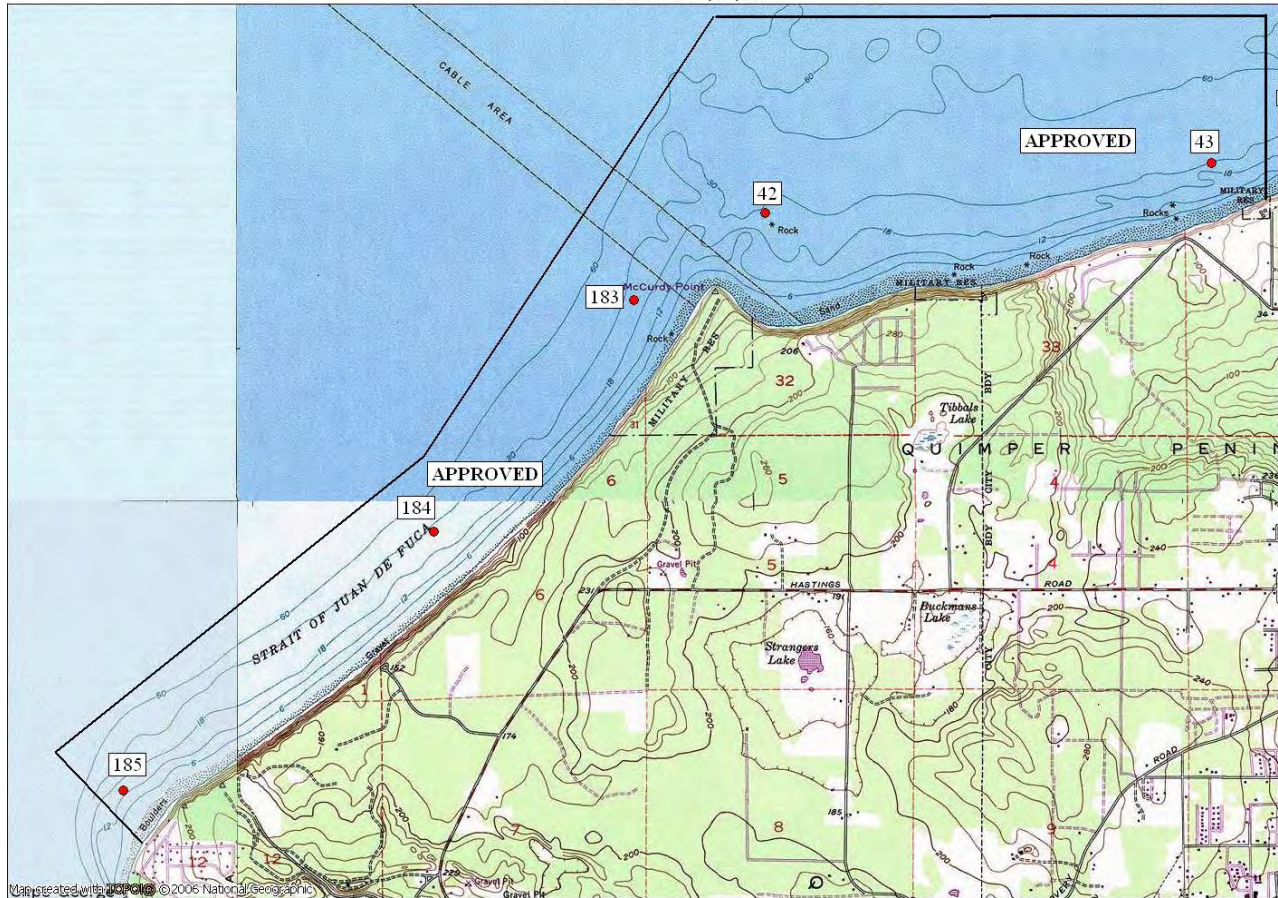
All tides information is presented

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.

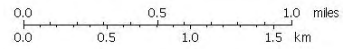
Protection Island -1 02/17/11



TN  
MN  
17 1/2  
02/17/11



Map created with ArcGIS © 2006 National Geographic



TN 17 1/2  
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