

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

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Jerry Lukes, Environmental Specialist

**AREA:** Protection Island

**YEAR ENDING:** December 31, 2008

**CLASSIFICATION:** Approved

**ACTIVITIES IN THE GROWING AREA IN 2008:**

Samples were collected from the growing area 6 times during the year using the systematic random sampling method. A new portion of the growing area east of Cape George on the mainland was classified as Approved. The Department completed a shoreline survey of the newly classified portions of the growing area. No Direct or Indirect Impacts were identified during the survey. The growing area was closed 21 days during the year due to elevated biotoxin levels.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Table #1 summarizes the results of all samples collected from 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.

## TABLE 1

### SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **PROTECTION ISLAND**

Classification: **Approved**

From **04/15/2004** To **12/11/2008**

### FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
42	Approved	38	1.7 - 2.0	1.7	1.0	Yes
43	Approved	38	1.7 - 2.0	1.7	1.0	Yes
68	Approved	30	1.7 - 33.0	2.5	6.0	Yes
69	Approved	30	1.7 - 17.0	2.5	6.0	Yes
70	Approved	30	1.7 - 7.8	1.8	2.0	Yes
71	Approved	30	1.7 - 33.0	2.1	4.0	Yes
183	Approved	47	1.7 - 2.0	1.7	1.0	Yes
184	Approved	45	1.7 - 2.0	1.7	1.0	Yes
185	Approved	43	1.7 - 7.8	1.8	2.0	Yes

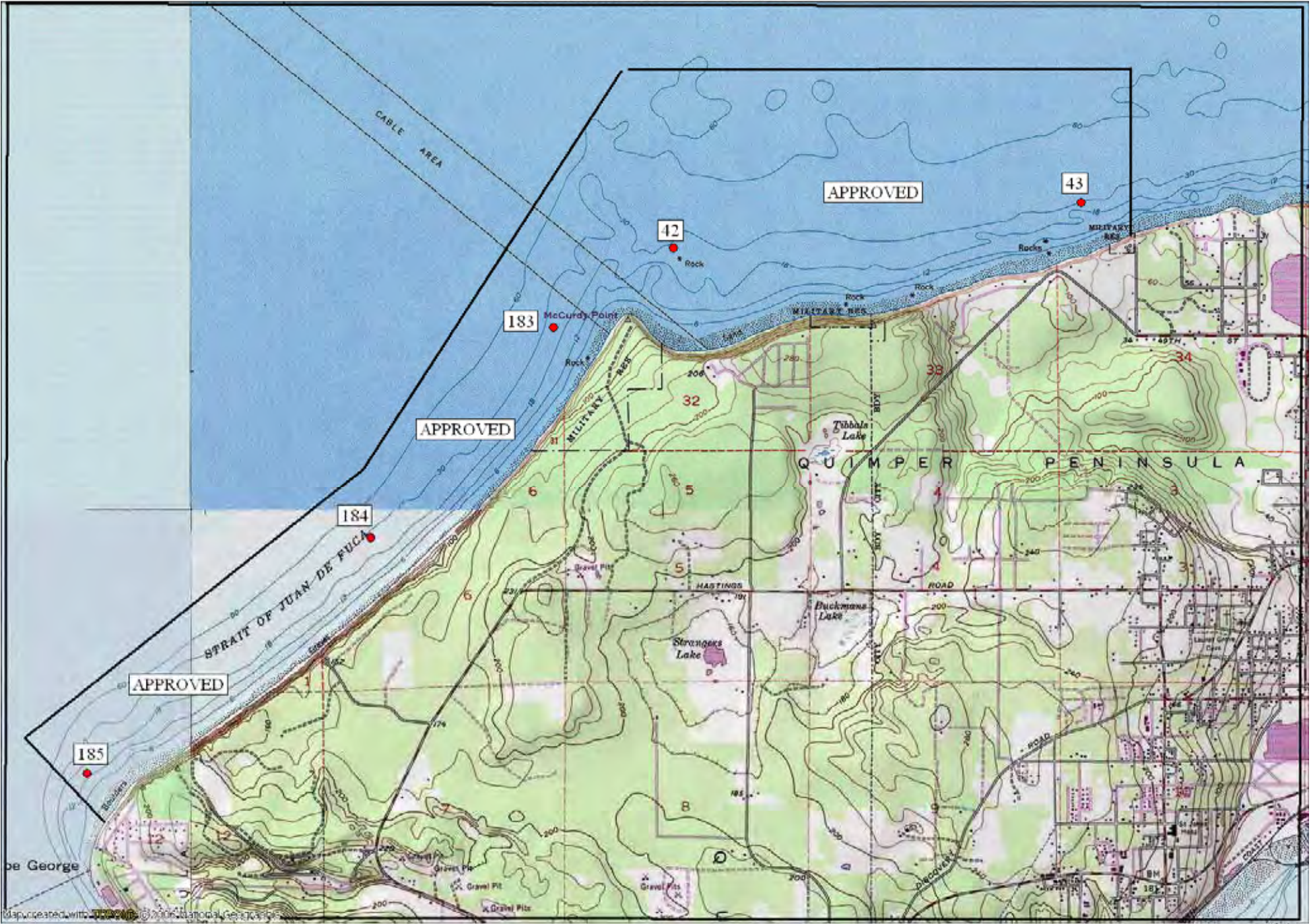
All tides information is presented

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.



TN MN  
1254'

0 1000 FEET 0 500 1000 METERS  
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