

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Clyde Bill
AREA: Port Townsend
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited & Unclassified

Activities in the Growing Area in 2011

Port Townsend was sampled six times using the Systematic Random Sampling method. The shellfish beds near Port Hadlock (station 33) were identified as Threatened in 2011 due to the presence of numerous unauthorized moored vessels. In November 2011 Jefferson County enacted a mooring buoy permit moratorium to allow time for a newly established stakeholder group to develop a moorage management plan for the area, similar to what was previously developed for Mystery Bay. This management plan should be developed and implemented sometime in 2012.

Analytical Results of Water Samples

Table 1 summarizes the results of the 30 most recent water samples collected from the Port Townsend growing area. This summary shows that all stations in the Approved portion of the 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 Port Townsend growing area has new pollution sources.

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 show that all stations meet NSSP water quality standards for an Approved classification and that the area is correctly classified. The mooring management plan near Port Hadlock needs to be implemented in 2012 to protect the Approved classification.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **PORT TOWNSEND**

Classification: **Approved,Prohibited,Unclassified**

From **09/27/2006** To **11/09/2011**

FECAL COLIFORM ORGANISMS/100 ML

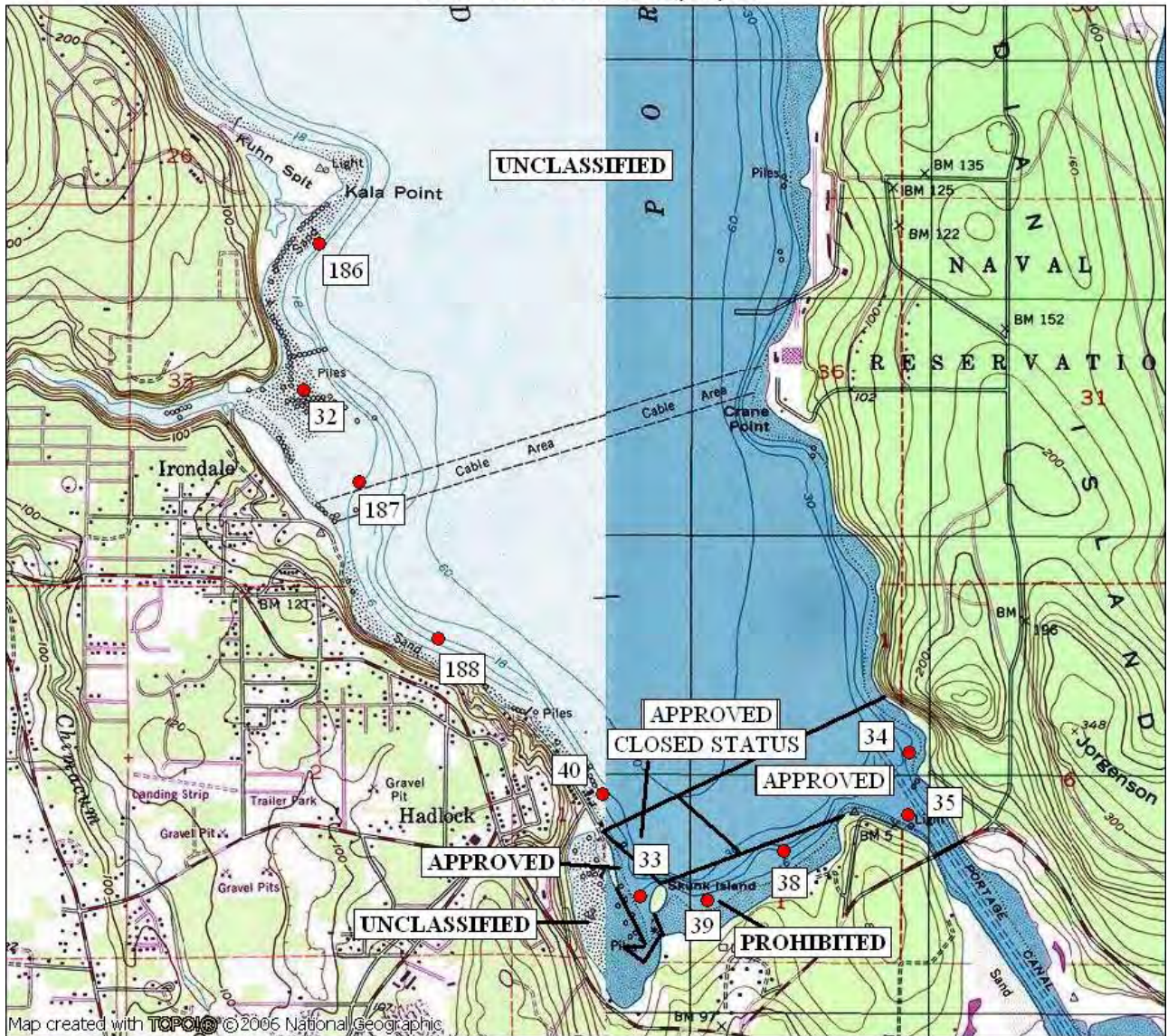
Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
33	Approved	32	1.7 - 13.0	2.3	4.0	Yes
34	Approved	32	1.7 - 4.5	1.7	2.0	Yes
35	Approved	32	1.7 - 4.0	1.7	2.0	Yes
44	Approved	32	1.7 - 22.0	2.0	4.0	Yes
45	Approved	33	1.7 - 2.0	1.7	1.0	Yes
176	Approved	30	1.7 - 6.8	1.8	2.0	Yes
179	Approved	32	1.7 - 14.0	2.0	3.0	Yes
180	Approved	32	1.7 - 7.8	1.9	3.0	Yes
181	Approved	31	1.7 - 4.5	1.8	2.0	Yes
38	Prohibited	32	1.7 - 4.0	1.8	2.0	Yes
39	Prohibited	32	1.7 - 33.0	3.4	10.0	Yes
32	Unclassified	32	1.7 - 110.0	2.5	8.0	Yes
40	Unclassified	31	1.7 - 49.0	2.5	7.0	Yes
186	Unclassified	32	1.7 - 49.0	2.5	6.0	Yes
187	Unclassified	32	1.7 - 7.8	2.0	3.0	Yes
188	Unclassified	32	1.7 - 70.0	2.2	5.0	Yes
191	Unclassified	23	1.7 - 11.0	1.8	3.0	*N/A

All tides information is presented

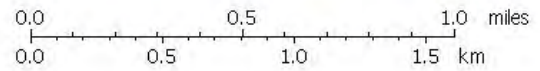
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

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

PORT TOWNSEND 1 02/27/12



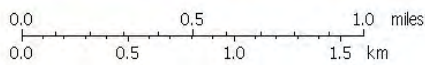
Map created with TOPOIG © 2006 National Geographic



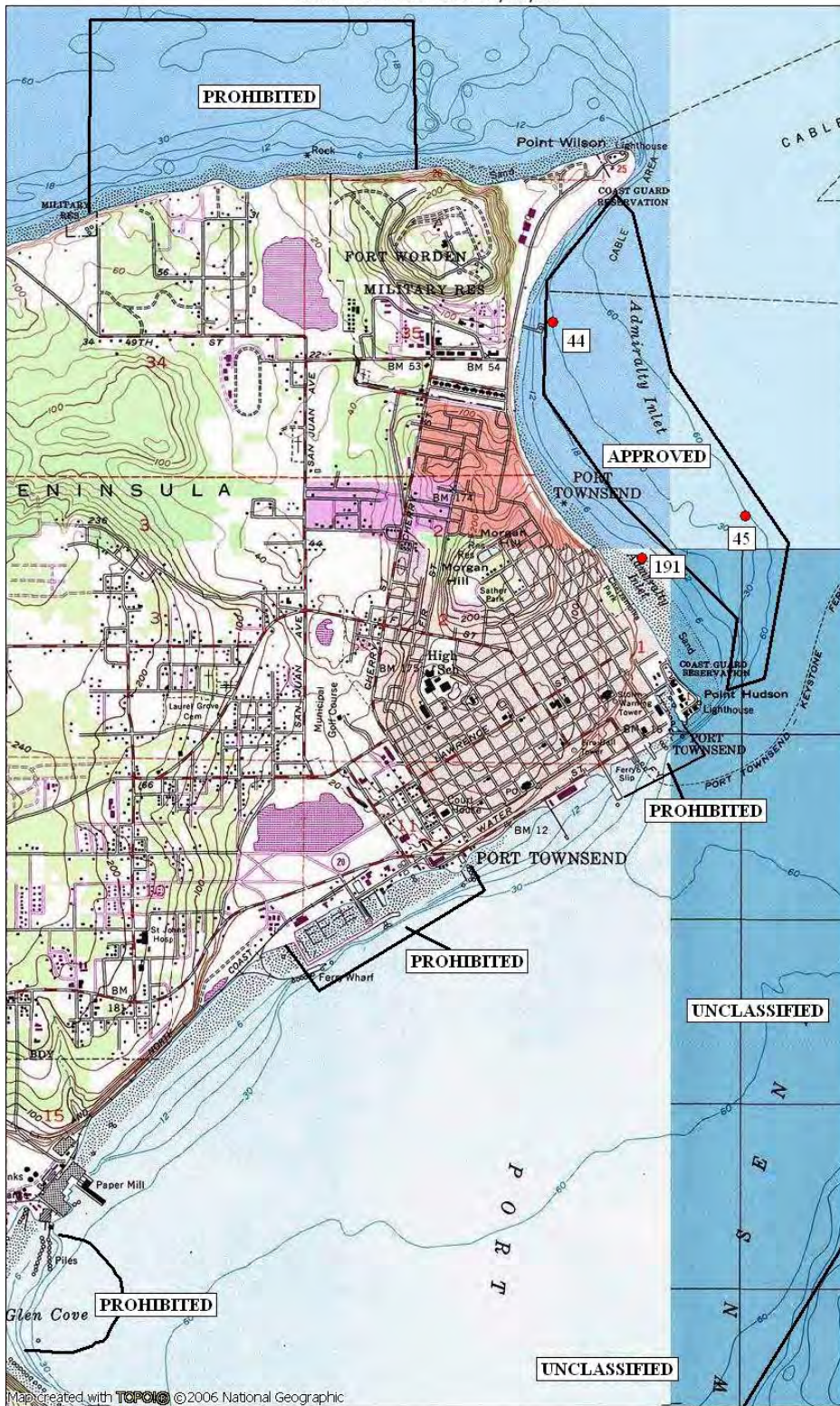
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Map created with **TCPCIC** ©2006 National Geographic



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0.0 0.5 1.0 1.5 km

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