

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Ann Harvey
AREA: Pickering Passage
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited, Unclassified

Activities In The Growing Area In Current Year

Samples were collected from the growing area six times during the year using the Systematic Random Sampling method. The Department upgraded 46 acres in the growing area from Conditionally Approved to Approved due to water quality improvements at Marine Stations 57 and 58. The Department also completed a special study shoreline evaluation of the area in Robillards Cove, around Marine Water Station 52. No Direct Impacts were reported.

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 Approved 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 downgrade in classification
- Fails to meet current classification standards

Remarks About Classification Status

Table 1 shows that all stations classified as Approved meet the NSSP water quality standards for an Approved classification and the area is correctly classified. Water quality at Marine Station 57 has improved since 2010; however, it is currently in *Concerned* status due to the station's 90th Percentile value of 27 FC/100 ml.

Recommendations

The area is correctly classified and should remain classified as **Approved**.

TABLE 1

**Summary of Marine Water Data (SRS)
 Growing Area: Pickering Passage
 Classification: Approved, Prohibited, Unclassified**

Fecal Coliform Organisms/100 ml

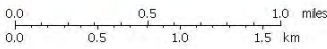
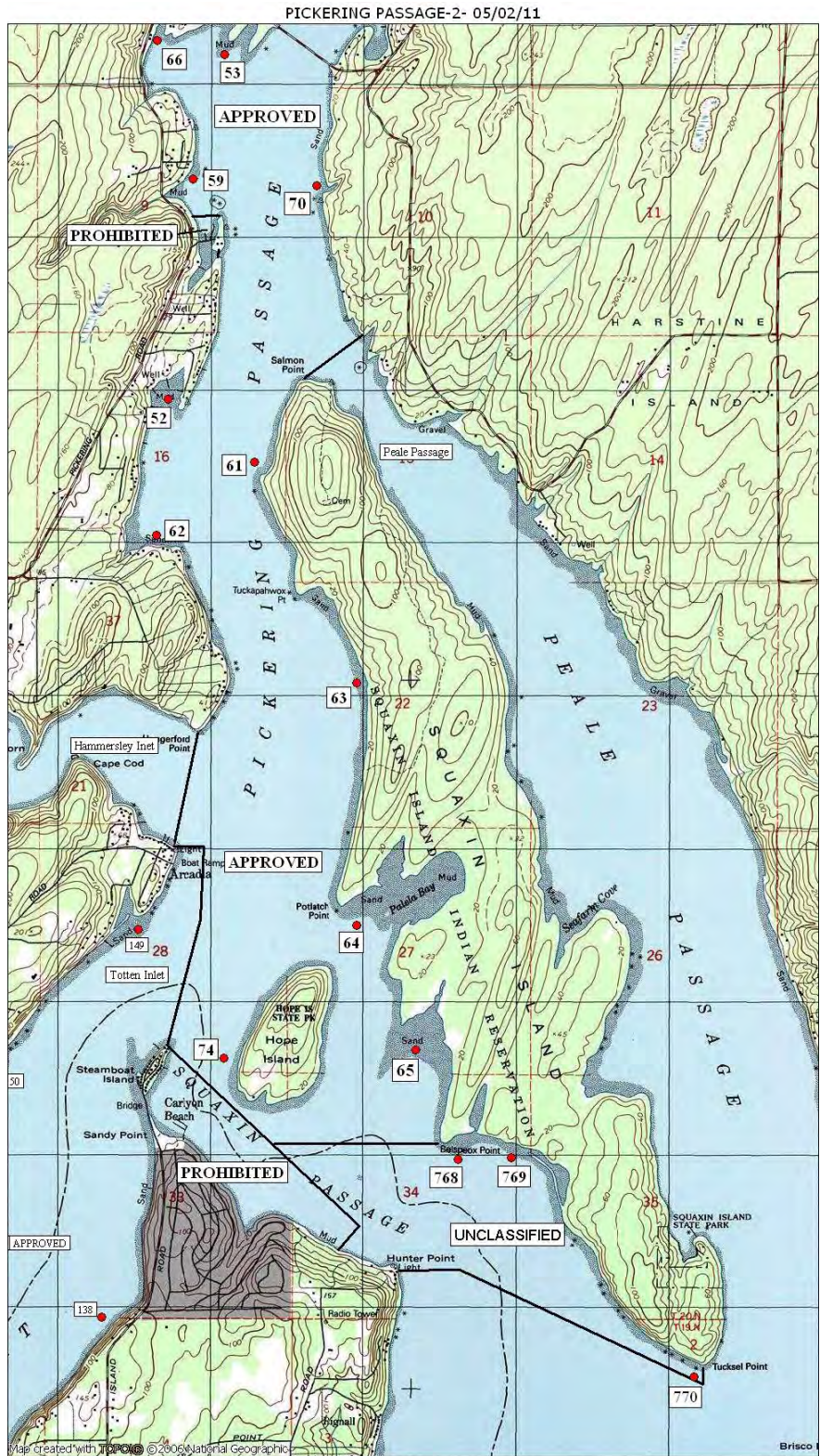
Station	Sample Date Range	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
52	9/19/2006 – 12/20/2011	Approved	33	<1.8 – 130	3.6	16	Yes
53	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 130	2.9	11	Yes
54	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 33	2.8	8	Yes
55	9/19/2006 – 12/20/2011	Prohibited	32	<1.8 – 49	3.5	13	Yes
56	9/19/2006 – 12/20/2011	Prohibited	32	<1.8 – 240	3.4	15	Yes
57	8/12/2009 – 12/20/2011	Approved	30	<1.8 - 79	5.8	27	Yes
58	8/12/2009 – 12/20/2011	Approved	31	<1.8 - 49	2.8	9	Yes
59	9/19/2006 – 12/20/2011	Approved	33	<1.8 – 540	3.4	19	Yes
60	9/19/2006 – 12/20/2011	Approved	31	<1.8 – 31	3.0	9	Yes
61	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 17	2.1	4	Yes
62	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 33	2.3	5	Yes
63	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 23	2.3	5	Yes
64	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 23	1.9	3	Yes
65	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 350	2.2	7	Yes
66	9/19/2006 – 12/20/2011	Approved	30	<1.8 – 240	3.2	16	Yes
67	9/19/2006 – 12/20/2011	Prohibited	32	<1.8 - 79	6.2	26	Yes
68	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 21	2.2	5	Yes
69	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 130	2.8	10	Yes
70	9/19/2006 – 12/20/2011	Approved	34	<1.8 – 33	2.5	7	Yes
71	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 23	2.5	5	Yes
72	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 49	2.5	6	Yes
74	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 79	2.2	6	Yes
75	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 79	2.4	7	Yes
76	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 79	2.3	8	Yes
586	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 13	2.2	4	Yes
643	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 23	2.2	4	Yes
654	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 70	2.3	6	Yes
679	9/19/2006 – 12/20/2011	Approved	32	<1.8 – 23	2.4	5	Yes
768	7/15/2010 – 12/20/2011	Unclassified	9	<1.8 – 6.8	2.1	3	N/A
769	7/15/2010 – 12/20/2011	Unclassified	9	<1.8 – 4.5	1.8	2	N/A
770	7/15/2010 – 12/20/2011	Unclassified	9	<1.8 – 4.5	1.8	2	N/A

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.

Pickering Passage Growing Area (Northern Section) – 12/20/2011



Pickering Passage Growing Area (Southern Section) – 12/20/2011



Brisco
TN MN
17 1/2
05/02/11