

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: South Skagit Bay
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited

Activities In The Growing Area in 2011

The growing area was sampled seven times, using the Systematic Random Sampling method. The growing area was closed once for seven days due to flooding. Sampling by the Department of Ecology found high fecal coliform levels in an unnamed slough entering into Skagit Bay. Snohomish County and Ecology are continuing source identification.

Analytical Results Of Water Samples

Table 1 summarizes the most recent 30 marine water samples from South Skagit Bay growing area. All stations pass NSSP criteria for an Approved classification. Stations 183 and 269 are Concerned.

Change In Actual Pollution Sources That Impact The Growing Area

High fecal coliform levels were found in an unnamed slough in the area (see above).

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

The area is correctly classified. The Department should assist, where possible, with the investigation of high fecal coliform levels in the unnamed slough.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **SOUTH SKAGIT BAY**

Classification: **Prohibited, Approved**

From **10/02/2006** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

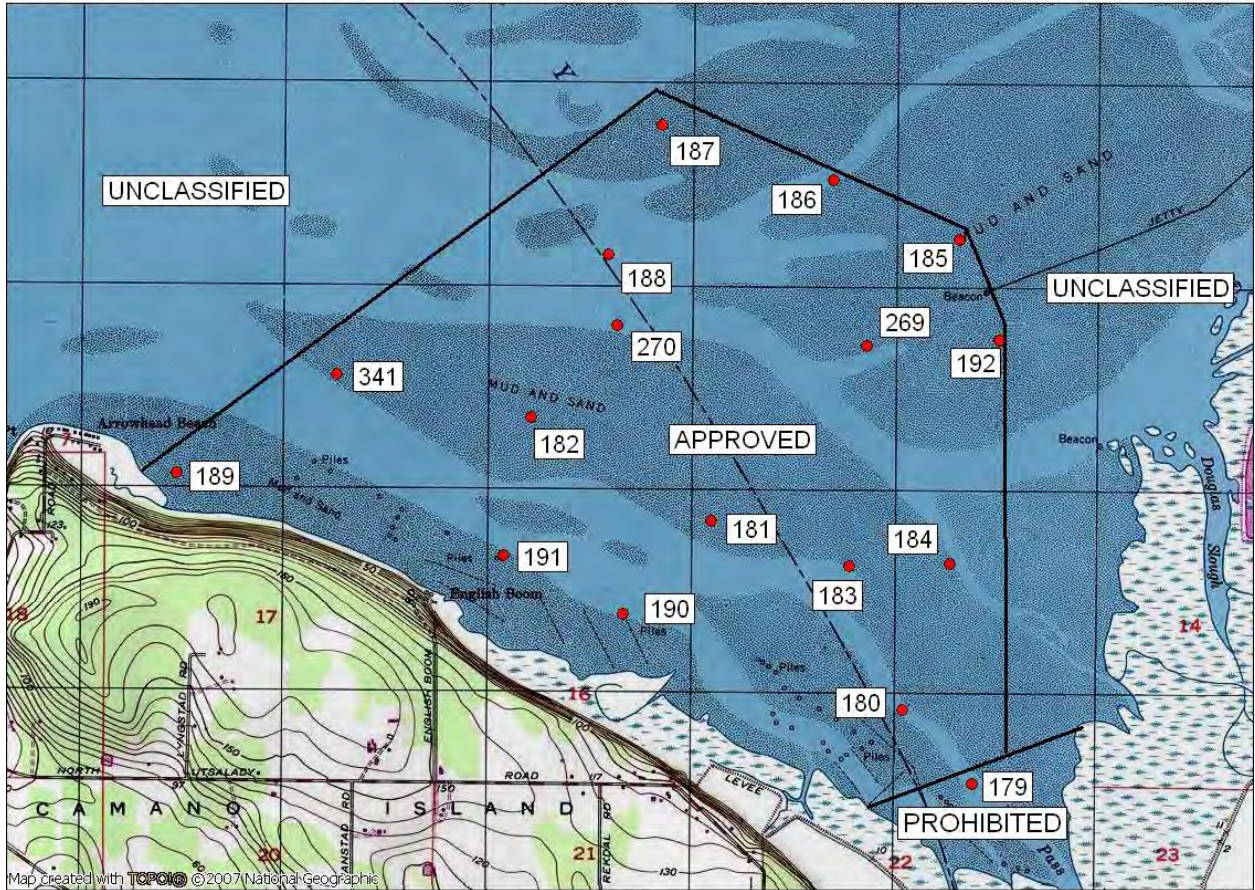
Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
179	Prohibited	30	1.7 - 49.0	4.1	16.0	Yes
180	Approved	32	1.7 - 33.0	3.9	13.0	Yes
181	Approved	31	1.7 - 33.0	3.2	9.0	Yes
182	Approved	32	1.0 - 49.0	2.7	7.0	Yes
183	Approved	32	1.7 - 49.0	5.0	22.0	Yes
184	Approved	32	1.7 - 49.0	4.7	19.0	Yes
185	Approved	32	1.7 - 23.0	4.5	14.0	Yes
186	Approved	32	1.7 - 49.0	4.0	14.0	Yes
187	Approved	31	1.7 - 23.0	2.7	6.0	Yes
188	Approved	32	1.7 - 33.0	2.6	7.0	Yes
189	Approved	31	1.7 - 49.0	3.6	12.0	Yes
190	Approved	32	1.7 - 95.0	3.3	12.0	Yes
191	Approved	32	1.7 - 79.0	3.4	13.0	Yes
192	Approved	32	1.7 - 49.0	4.8	19.0	Yes
269	Approved	31	1.7 - 79.0	5.0	21.0	Yes
270	Approved	32	1.7 - 17.0	2.7	7.0	Yes
341	Approved	12	1.7 - 17.0	2.5	7.0	*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. *

SOUTH SKAGIT BAY 3/11/2010



Map created with TCPCOL © 2007 National Geographic



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

TN MN
17°
03/11/10