

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Port Susan
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited, Unclassified

Activities In The Growing Area in 2011

The Port Susan growing area was sample 12 times using the Systematic Random Sampling method.

Analytical Results Of Water Samples

Table 1 summarizes a minimum of the most recent 30 marine water samples from each station. All stations meet NSSP standards for an Approved classification. Stations 291, 292, and 295 are Concerned and Station 335 is Threatened.

Change In Actual Pollution Sources That Impact The Growing Area

We have no new information regarding pollution sources in the growing area.

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 growing area is correctly classified.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **Port Susan**

Classification: **Unclassified,Approved,Prohibited**

From **03/17/2009** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
344	Unclassified	23	1.7 - 79.0	4.2	20.0	*N/A
345	Unclassified	23	1.7 - 49.0	3.9	17.0	*N/A
346	Unclassified	22	1.7 - 70.0	4.0	16.0	*N/A
357	Unclassified	14	1.7 - 14.0	3.6	11.0	*N/A
290	Approved	33	1.7 - 33.0	3.4	10.0	Yes
291	Approved	33	1.7 - 79.0	4.7	21.0	Yes
292	Approved	33	1.7 - 130.0	4.7	21.0	Yes
293	Approved	33	1.7 - 79.0	3.6	13.0	Yes
294	Approved	33	1.7 - 33.0	3.0	10.0	Yes
295	Approved	31	1.7 - 79.0	4.9	23.0	Yes
296	Approved	30	1.7 - 49.0	4.2	17.0	Yes
297	Approved	31	1.7 - 70.0	4.3	16.0	Yes
298	Approved	31	1.7 - 49.0	4.5	15.0	Yes
335	Approved	33	1.7 - 170.0	7.1	34.0	Yes
299	Prohibited	30	1.7 - 49.0	4.1	14.0	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.

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

TABLE 2: Threatened Stations

**SUMMARY OF SHELLFISH GROWING AREAS
WATER QUALITY STUDY RESULTS**

Growing Area: **Port Susan**

Sampling Station Number: **335**

Classification: **Approved**

Sample Date	Sample Time	Tide	Fcoli/100ml	Temperature	Salinity
03/17/2009	08:16	Flood	4	7	27
04/15/2009	08:55	Flood	11	7	1
05/21/2009	15:04	Flood	4	18	2
06/03/2009	15:22	Flood	2	19	8
07/07/2009	16:36	Flood	13	18	12
08/06/2009	05:50	Ebb	17	19	24
09/15/2009	14:31	Flood	1.7	18	26
10/13/2009	12:35	Flood	1.7	12	29
11/19/2009	12:03	Ebb	130	7	2
01/26/2010	10:05	Flood	23	7	7
02/24/2010	10:18	Flood	4.5	8	22
03/25/2010	11:50	Flood	13	10	16
04/13/2010	15:25	Flood	4	11	3
05/26/2010	16:10	Flood	1.7	15	20
06/23/2010	14:55	Flood	1.7	21	12
07/22/2010	14:48	Flood	13	20	15
08/18/2010	12:54	Flood	1.7	19	24
09/16/2010	13:00	Flood	2	17	23
10/14/2010	10:58	Flood	2	13	16
11/18/2010	10:25	Flood	17	7	0
12/16/2010	11:33	Flood	13	6	0
01/20/2011	14:10	Flood	2	5	1
02/17/2011	11:57	Flood	17	6	4
03/24/2011	08:37	Flood	1.7	7	3
04/25/2011	10:23	Flood	11	10	20
05/03/2011	17:14	Flood	4.5	13	3
06/23/2011	10:09	Flood	11	14	3
07/27/2011	14:57	Flood	11	17	2
08/24/2011	13:44	Flood	33	20	19
09/27/2011	13:50	Flood	170	17	7
10/20/2011	11:41	Flood	4	12	26
11/22/2011	10:33	Flood	7.8	6	8
12/14/2011	09:10	Ebb	23	5	20

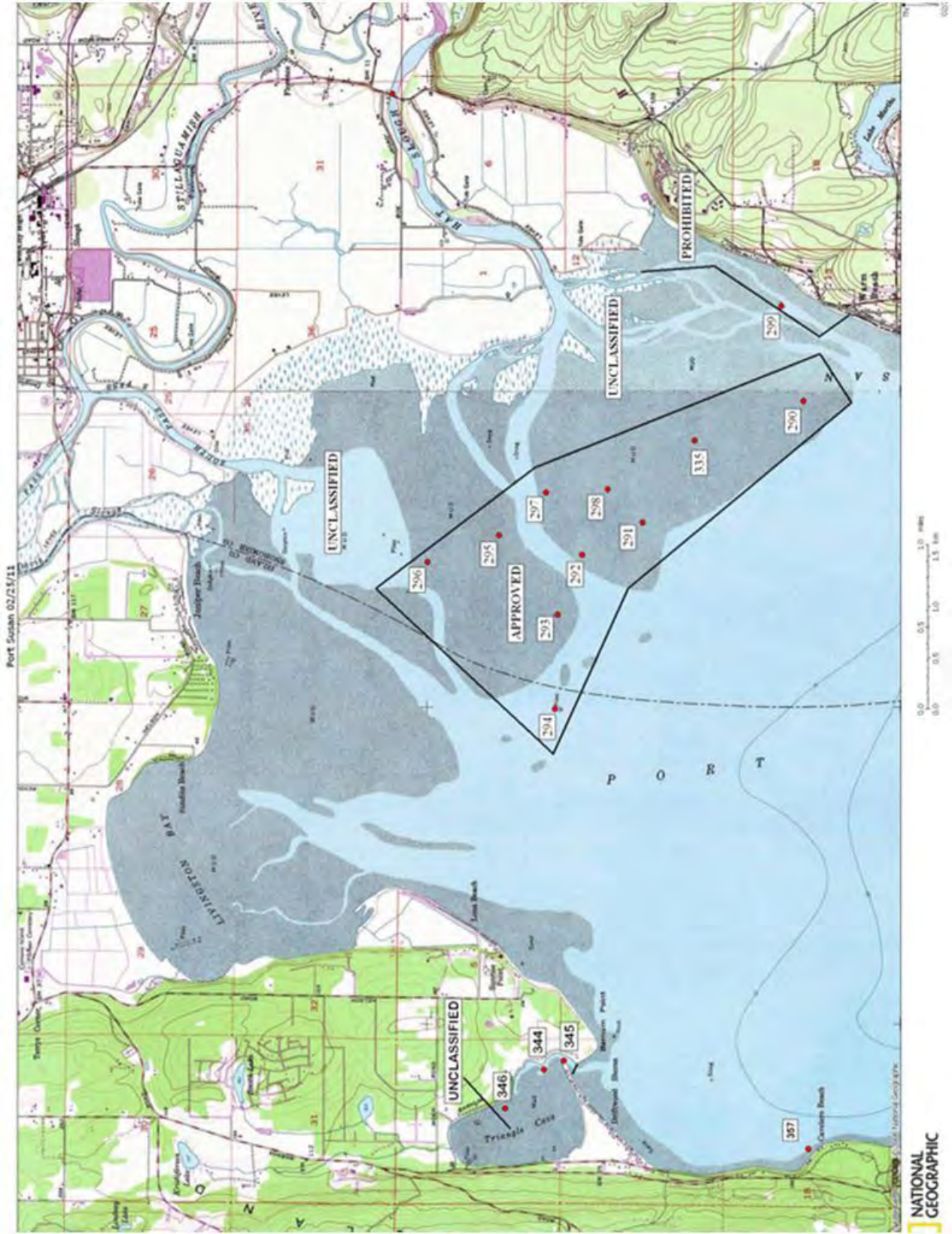
Number of Samples: 33

Range: 1.7 - 170

Geometric Mean: 7.1

Estimated 90th Percentile: 34

† All samples have been verified.



Port Susan-Triangle Cove 3/11/10



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