

Port Susan

Annual Shellfish Growing Area Review



Prepared By: Scott Chernoff

Area: Port Susan

Year Ending: December 31, 2022

Classification: Approved, Prohibited

Activities in the Growing Area in 2022

The Active portion of Port Susan Growing Area (stations 344, 345, and 346) was sampled five times and Inactive portion of the growing area sampled two times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A sample event in September exceeded the temperature control. In July, 317 acres were reclassified from Approved to Prohibited due to Station 335 failing the NSSP standard for an Approved classification. All of Port Susan Growing Area except the Triangle Cove portion (stations 344, 345, and 346) entered Inactive status on January 1, 2022.

Snohomish County and local partners continued working in the Stillaguamish River watershed using National Estuary Program grant funds for on-site septic system operations and maintenance incentives and pollution identification and control projects.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from each station. Station 292 is in Threatened status with an estimated 90th percentile of 37.3 FC/100mL. Stations 293 and 296 are in Concerned status. Table 2 includes individual sample results for Station 292.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating the area has any 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 and Recommendations

The area is correctly classified. The Department should continue to work with Snohomish County and others to identify and correct sources of pollution in the Stillaguamish River watershed.

TABLE 1. Summary of Marine Water Data (SRS) for the Port Susan Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
292	Approved	11/7/2016 - 10/17/2022	1.7 - 140.0	6.0	37.3	Y
293	Approved	5/17/2016 - 10/17/2022	1.7 - 130.0	4.6	21.9	Y
294	Approved	3/15/2016 - 10/17/2022	1.7 - 170.0	3.8	19.4	Y
296	Approved	5/17/2016 - 10/17/2022	1.7 - 79.0	5.5	27.2	Y
344	Approved	8/15/2018 - 11/14/2022	1.7 - 79.0	3.5	14.4	Y
345	Approved	8/15/2018 - 11/14/2022	1.7 - 70.0	2.8	8.5	Y
346	Approved	8/15/2018 - 11/14/2022	1.7 - 70.0	2.9	9.7	Y
290	Prohibited	3/15/2016 - 10/17/2022	1.7 - 540.0	6.3	40.2	Y
291	Prohibited	11/7/2016 - 10/17/2022	1.7 - 240.0	6.4	54.5	N
295	Prohibited	11/7/2016 - 10/17/2022	1.7 - 350.0	11.2	117.1	N
297	Prohibited	12/5/2016 - 10/17/2022	1.7 - 350.0	8.1	73.0	N
298	Prohibited	11/7/2016 - 10/17/2022	1.7 - 130.0	5.6	33.0	Y
299	Prohibited	11/7/2016 - 10/17/2022	1.7 - 170.0	7.0	44.1	N
335	Prohibited	9/8/2016 - 10/17/2022	1.7 - 350.0	6.9	46.3	N
357	Unclassified	12/21/2016 - 10/17/2022	1.7 - 130.0	3.1	11.5	Y
411	Unclassified	7/7/2016 - 10/17/2022	1.7 - 70.0	4.1	19.6	Y

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

TABLE 2. Marine Water Quality Summary of the Threatened Station in Port Susan Growing Area

Station: 292

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 – 140.0 GeoMean (FC/100 mL): 6.0				Date Range: 11/07/2016 – 10/17/2022 E90th (FC/100 mL): 37.3 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
11/07/2016	Regulatory	13:10	Ebb	10	1	33.0
12/05/2016	Regulatory	10:40	Ebb	6	5	33.0
08/15/2017	Regulatory	11:26	Flood	17	26	1.7
10/12/2017	Regulatory	12:39	Ebb	12	27	1.7
12/13/2017	Regulatory	12:08	Flood	4	13	140.0
02/08/2018	Regulatory	11:10	Flood	7	0	7.8
08/15/2018	Regulatory	08:44	Flood	16	28	1.7
09/17/2018	Regulatory	12:25	Flood	16	10	22.0
10/15/2018	Regulatory	11:08	Flood	12	29	1.7
12/12/2018	Regulatory	10:13	Ebb	6	3	79.0
02/28/2019	Regulatory	11:18	Flood	6	24	1.7
06/06/2019	Regulatory	07:21	Ebb	14	25	4.5
07/08/2019	Regulatory	10:53	Ebb	18	25	1.7
09/04/2019	Regulatory	10:06	Flood	15	31	1.7
10/23/2019	Regulatory	12:28	Flood	11	1	70.0
11/04/2019	Regulatory	10:59	Flood	9	22	2.0
12/04/2019	Regulatory	11:04	Flood	9	20	1.7
01/09/2020	Regulatory	12:40	Flood	5	1	4.5
03/04/2020	Regulatory	11:24	Flood	6	2	13.0
08/24/2020	Regulatory	10:12	Flood	16	29	2.0
10/21/2020	Regulatory	10:36	Ebb	12	21	6.8
12/08/2020	Regulatory	13:01	Ebb	8	18	2.0
01/20/2021	Regulatory	11:28	Ebb	6	4	33.0
02/08/2021	Regulatory	12:26	Flood	5	1	4.5
03/23/2021	Regulatory	11:26	Flood	8	6	7.8
08/26/2021	Regulatory	08:13	Flood	17	30	1.7
09/28/2021	Regulatory	12:10	Flood	13	11	49.0
12/07/2021	Regulatory	10:57	Ebb	7	9	4.5
03/24/2022	Regulatory	11:19	Ebb	7	3	2.0
10/17/2022	Regulatory	13:17	Ebb	13	29	1.7

MAP 1. Port Susan Growing Area

