

Skagit Bay South

Annual Shellfish Growing Area Review



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Area: Skagit Bay South

Year Ending: December 31, 2024

Classification: Approved, Prohibited

Activities in the Growing Area in 2024

The Department sampled the growing area six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. A routine three-year shoreline evaluation was completed. There have not been any new or changes in pollution sources that impact the growing area.

The Skagit Conservation District and WSU Extension continued educational and best management practices assistance and outreach activities with agricultural landowners in the area. Washington State Department of Agriculture (WSDA) and Washington State Department of Ecology (Ecology) received NEP funding for enhanced water compliance monitoring and referral and technical assistance. WSDA focused on dairies and Ecology addressed nonpoint pollution stemming from nondairy agriculture. The Snohomish County Health Department continued its NEP-funded on-site septic system program. Snohomish County Public Works and the Snohomish Conservation District continued pollution identification and correction activities in the area.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from each of the sampling stations. All stations meet NSSP standards. Stations 185 and 192 are Threatened with estimated 90th percentiles of 34.0 FC/100mL and 28.1 FC/100mL, respectively. Table 2 shows individual data for these stations.

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 threatened with downgrade in classification
- Fails to meet current classification standards

Remarks and Recommendations

Table 1 shows that all stations meet NSSP water quality standards for an Approved classification and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) for the Skagit Bay South 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
180	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	4.3	16.2	Y
183	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	4.5	17.3	Y
184	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	5.0	22.2	Y
185	Approved	11/5/2019 - 12/9/2024	1.7 - 130.0	6.2	34.0	Y
186	Approved	11/5/2019 - 12/9/2024	1.7 - 33.0	5.0	18.1	Y
187	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	3.5	13.1	Y
188	Approved	11/5/2019 - 12/9/2024	1.7 - 17.0	2.9	7.8	Y
189	Approved	11/5/2019 - 12/9/2024	1.7 - 79.0	3.0	9.7	Y
190	Approved	11/5/2019 - 12/9/2024	1.7 - 70.0	4.1	15.7	Y
191	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	3.4	10.3	Y
192	Approved	11/5/2019 - 12/9/2024	1.7 - 49.0	6.9	28.1	Y
269	Approved	11/5/2019 - 12/9/2024	1.7 - 79.0	4.3	19.2	Y
341	Approved	11/5/2019 - 12/9/2024	1.7 - 20.0	2.6	6.5	Y
179	Prohibited	11/5/2019 - 12/9/2024	1.7 - 79.0	5.1	24.8	Y

The standard for Approved shellfish growing waters is a 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 Data Summary for Threatened Stations in Skagit Bay South

Station: 185

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 130.0 GeoMean (FC/100 mL): 6.2				Date Range: 11/05/2019 - 12/09/2024 E90th (FC/100 mL): 34.0 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
11/05/2019	Regulatory	12:25	Flood	10	21	2.0
02/18/2020	Regulatory	12:38	Flood	6	0	1.7
06/30/2020	Regulatory	14:01	Flood	15	1	11.0
08/27/2020	Regulatory	13:35	Flood	18	16	2.0
10/12/2020	Regulatory	13:02	Flood	12	13	130.0
12/21/2020	Regulatory	11:34	Ebb	7	7	13.0
01/05/2021	Regulatory	11:23	Ebb	7	11	33.0
03/08/2021	Regulatory	12:28	Flood	7	2	2.0
05/18/2021	Regulatory	10:06	Ebb	11	0	33.0
07/06/2021	Regulatory	17:32	Flood	19	2	1.7
09/14/2021	Regulatory	12:41	Flood	15	9	23.0
11/30/2021	Regulatory	12:16	Flood	9	2	33.0
02/09/2022	Regulatory	11:47	Ebb	7	0	4.5
04/19/2022	Regulatory	08:21	Ebb	9	21	1.7
06/27/2022	Regulatory	18:21	Flood	17	6	1.7
08/03/2022	Regulatory	10:51	Ebb	17	2	17.0
10/18/2022	Regulatory	13:25	Flood	13	25	4.0
12/19/2022	Regulatory	13:50	Ebb	4	20	1.7
01/30/2023	Regulatory	12:02	Ebb	4	11	1.7
03/01/2023	Regulatory	12:37	Ebb	6	19	1.7
08/08/2023	Regulatory	11:55	Flood	19	23	1.7
09/07/2023	Regulatory	11:02	Flood	17	22	4.5
11/06/2023	Regulatory	12:06	Flood	11	9	70.0
12/04/2023	Regulatory	13:08	Ebb	8	21	7.8
02/15/2024	Regulatory	11:08	Ebb	7	14	7.8
04/15/2024	Regulatory	10:49	Ebb	12	7	13.0
06/03/2024	Regulatory	15:34	Flood	14	10	33.0
08/29/2024	Regulatory	15:06	Flood	17	19	1.7
10/10/2024	Regulatory	13:04	Flood	14	20	1.7
12/09/2024	Regulatory	11:52	Flood	8	2	7.8

TABLE 2 continued.

Station: 192

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 49.0 GeoMean (FC/100 mL): 6.9				Date Range: 11/05/2019 - 12/09/2024 E90th (FC/100 mL): 28.1 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
11/05/2019	Regulatory	12:21	Flood	10	21	2.0
02/18/2020	Regulatory	12:34	Flood	6	0	4.5
06/30/2020	Regulatory	13:57	Flood	15	2	49.0
08/27/2020	Regulatory	13:30	Flood	18	15	4.5
10/12/2020	Regulatory	13:00	Flood	12	8	33.0
12/21/2020	Regulatory	11:30	Ebb	7	5	17.0
01/05/2021	Regulatory	11:20	Ebb	7	12	13.0
03/08/2021	Regulatory	12:24	Flood	7	5	1.7
05/18/2021	Regulatory	10:04	Ebb	11	1	26.0
07/06/2021	Regulatory	17:28	Flood	19	1	4.0
09/14/2021	Regulatory	12:37	Flood	15	11	33.0
11/30/2021	Regulatory	12:12	Flood	9	0	13.0
02/09/2022	Regulatory	11:44	Ebb	7	1	4.0
04/19/2022	Regulatory	08:18	Ebb	9	22	1.7
06/27/2022	Regulatory	18:17	Flood	17	5	4.5
08/03/2022	Regulatory	10:49	Ebb	17	6	14.0
10/18/2022	Regulatory	13:28	Flood	13	24	1.7
12/19/2022	Regulatory	13:46	Ebb	4	15	11.0
01/30/2023	Regulatory	11:59	Ebb	4	12	1.7
03/01/2023	Regulatory	12:35	Ebb	6	20	2.0
08/08/2023	Regulatory	11:49	Flood	18	22	1.7
09/07/2023	Regulatory	11:00	Flood	17	19	2.0
11/06/2023	Regulatory	12:02	Flood	11	11	13.0
12/04/2023	Regulatory	13:05	Ebb	8	22	4.5
02/15/2024	Regulatory	11:04	Ebb	7	15	13.0
04/15/2024	Regulatory	10:47	Ebb	12	7	23.0
06/03/2024	Regulatory	15:29	Flood	13	10	49.0
08/29/2024	Regulatory	15:02	Flood	17	18	4.5
10/10/2024	Regulatory	12:59	Flood	14	19	4.5
12/09/2024	Regulatory	11:47	Flood	8	5	7.8

MAP 1. Skagit Bay South Growing Area

