

Dungeness Bay

Annual Shellfish Growing Area Review



Prepared By: Trevor Swanson

Area: Dungeness Bay

Year Ending: December 31, 2024

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled 12 times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. Nine sampling events occurred during Open status. The January sample at Station 197 was spilled at the lab and not analyzed. Stations 197, 198, and 199 were only sampled 11 times due to poor weather in April. The Conditionally Approved portion of the growing area was closed November through January per the current management plan.

The Department completed a routine three-year shoreline evaluation. No changes in pollution sources or new sources were identified that impacted the growing area.

Clallam Conservation District received EPA National Estuary Program (NEP) funds through the Washington State Conservation Commission to provide technical assistance and education and outreach to landowners to promote the implementation of livestock best management practices. Clallam County Environmental Health continued implementing a pollution identification and correction plan and enhanced their on-site sewage system operations and maintenance program in the Sequim Bay-Dungeness Watershed Clean Water District. Clean Water Work Group meetings continued quarterly.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. It includes samples collected when the Conditionally Approved area was in Closed status. Table 2 shows open period data for the Conditionally Approved stations. Table 3 shows closed period data for the Conditionally Approved stations based on 15 samples and an APC evaluation.

Sorting for open period data at stations 104, 105, 106, and 197, as shown in Table 2, increases the E90th when compared to unsorted data. Stations 104, 197, 198, and 199 meet Department upgrade criteria and NSSP standards.

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

The Department should evaluate whether an upgrade in the southern Conditionally Approved and Prohibited areas is appropriate due to stations 104, 197, 198, and 199 meeting Department upgrade criteria and NSSP standards.

The Department should continue working with Clallam County, the Jamestown S'klallam Tribe, and others to identify and correct sources of pollution in the Dungeness Bay watershed.

Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management plan..... Yes
2. Has reporting been adequate to manage the conditional area..... Yes
3. Does the area consistently meet approved area criteria when it is open for harvest Yes
4. Has a field inspection of critical pollution sources been conducted..... Yes

TABLE 1. Summary of Marine Water Data (SRS) for the Dungeness Bay 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
103	Approved	7/19/2022 - 12/11/2024	1.7 - 33.0	2.6	7.1	Y
108	Approved	7/19/2022 - 12/11/2024	1.7 - 49.0	3.7	15.3	Y
109	Approved	7/19/2022 - 12/11/2024	1.7 - 17.0	2.7	7.3	Y
110	Approved	7/19/2022 - 12/11/2024	1.7 - 33.0	2.6	7.0	Y
111	Approved	7/19/2022 - 12/11/2024	1.7 - 13.0	2.9	7.3	Y
112	Approved	7/19/2022 - 12/11/2024	1.7 - 17.0	2.7	6.7	Y
113	Approved	7/19/2022 - 12/11/2024	1.7 - 540.0	3.8	23.1	Y
114	Approved	7/19/2022 - 12/11/2024	1.7 - 130.0	2.8	9.6	Y
115	Approved	7/19/2022 - 12/11/2024	1.7 - 79.0	2.7	8.2	Y
104	Conditionally Approved	7/19/2022 - 12/11/2024	1.7 - 49.0	3.2	10.1	Y
105	Conditionally Approved	6/29/2022 - 12/11/2024	1.7 - 13.0	2.4	5.0	Y
106	Conditionally Approved	7/19/2022 - 12/11/2024	1.7 - 17.0	2.3	5.2	Y
107	Conditionally Approved	7/19/2022 - 12/11/2024	1.7 - 33.0	2.9	9.2	Y
197	Conditionally Approved	7/6/2022 - 12/10/2024	1.7 - 110.0	4.4	19.6	Y
207	Conditionally Approved	7/19/2022 - 12/11/2024	1.7 - 79.0	3.0	11.0	Y
198	Prohibited	5/23/2022 - 12/10/2024	1.7 - 46.0	5.4	19.2	Y
199	Prohibited	7/6/2022 - 12/10/2024	1.7 - 49.0	5.5	24.1	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. Summary of Open Period Marine Water Data (SRS) for the Dungeness Bay Growing Area

Sampling Event Type: Regulatory

Number of Samples: 30

Tides Included: All

Includes data from the open period (February through October) only.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
104	Conditionally Approved	8/16/2021 - 10/31/2024	1.7 - 110.0	4.1	18.8	Y
105	Conditionally Approved	8/3/2021 - 10/31/2024	1.7 - 130.0	2.5	8.0	Y
106	Conditionally Approved	8/16/2021 - 10/31/2024	1.7 - 79.0	2.5	9.4	Y
107	Conditionally Approved	8/16/2021 - 10/31/2024	1.7 - 33.0	2.8	8.8	Y
197	Conditionally Approved	5/4/2021 - 9/10/2024	1.7 - 240.0	5.5	34.4	Y
207	Conditionally Approved	8/16/2021 - 10/31/2024	1.7 - 130.0	2.7	9.1	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 3. Summary of Closed Period Marine Water Data (APC) for the Dungeness Bay Growing Area

Sampling Event Type: Regulatory

Number of Samples: 15

Tides Included: All

Includes data from the closed period (November through January) only.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	% of samples > 43 FC/100mL	Meets Standards
104	Conditionally Approved	11/16/2020 - 12/11/2024	1.7 - 49.0	6.9	6.67	Y
105	Conditionally Approved	11/16/2020 - 12/11/2024	1.7 - 350.0	7.9	13.33	N
106	Conditionally Approved	11/16/2020 - 12/11/2024	1.7 - 540.0	10.2	13.33	N
107	Conditionally Approved	11/16/2020 - 12/11/2024	1.7 - 49.0	10.8	13.33	N
197	Conditionally Approved	12/9/2020 - 12/10/2024	1.7 - 33.0	6.9	0.00	Y
207	Conditionally Approved	11/16/2020 - 12/11/2024	1.7 - 79.0	14.7	20.00	N

The standard for approved shellfish growing waters is a fecal coliform geometric mean not greater than 14 organisms/ 100 mL with not more than 10 percent greater than 43 organisms / 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Dungeness Bay Growing Area

