

Kalaloch

Annual Shellfish Growing Area Review



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Area: Kalaloch

Year Ending: December 31, 2022

Classification: Approved, Conditionally Approved

Activities in the Growing Area in 2022

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. Station 224, in the Conditionally Approved area, was sampled 12 times including eight times in Open status. The Conditionally Approved portion is closed from September through December based on seasonal water quality conditions. A routine three-year shoreline evaluation was completed and no new or changes in pollution sources were identified.

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 closed to harvest. All stations meet NSSP criteria. Station 224 has an estimated 90th percentile of 30.9 FC/100mL with all data. Table 2 shows that over 13 percent of the most recent 15 samples collected during the closed period exceed 43.0 FC/100mL at Station 224. Station 225 is categorized as Concerned.

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

All stations meet the applicable NSSP water quality standard and the area is correctly classified.

Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management planYes
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 Kalaloch 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
221	Approved	6/20/2018 - 12/6/2022	1.7 - 49.0	2.8	8.3	Y
222	Approved	6/20/2018 - 12/6/2022	1.7 - 70.0	3.3	13.1	Y
223	Approved	6/20/2018 - 12/6/2022	1.7 - 70.0	2.9	10.7	Y
225	Approved	6/20/2018 - 12/6/2022	1.7 - 79.0	5.0	25.3	Y
226	Approved	6/20/2018 - 12/6/2022	1.7 - 79.0	2.6	8.7	Y
227	Approved	6/20/2018 - 12/6/2022	1.7 - 130.0	2.9	10.4	Y
224	Conditionally Approved	6/16/2020 - 12/6/2022	1.7 - 70.0	5.7	30.9	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 Conditionally Approved Marine Water Data (APC) during Closed Status for the Kalaloch Growing Area

Sampling Event Type: Regulatory

Number of Samples: 15

Tides Included: All

Includes data from the closed period (September through December) only.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	% of samples > 43 FC/100mL	Meets Std.
224	Conditionally Approved	10/8/2019 - 12/6/2022	1.7 - 49.0	6.3	13.33	N

The standard for approved shellfish growing waters is 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

