

# Poverty Bay

## Annual Shellfish Growing Area Review



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Area: Poverty Bay

Year Ending: December 31, 2023

Classification: Approved, Conditionally Approved, Prohibited

### Activities in the Growing Area in 2023

The growing area was sampled 12 times, in accordance with NSSP standards for Systematic Random Sampling. The Conditionally Approved area is closed from June 1 through November 30 each year and the stations were sampled six times during the Open period. During February, sampling was stopped at stations 567, 568, 570, 572, 704, and 705 due to them being in Prohibited and unclassified areas.

A reliability evaluation of the Lakota WWTP was completed. Due to changes in flow and bacteria levels prior to disinfection at the WWTP, a portion of the growing area will be reclassified from Approved to Conditionally Approved in 2024. A comprehensive evaluation report is in the central growing area file. King County sampled four creeks, during five rainfall events in Closed Status. All the creeks exceeded the fecal coliform loading criteria at least once.

PHSKC received National Estuary Program grant funds to evaluate on-site septic systems, monitor the creeks discharging to the Conditionally Approved area and implement pollution identification and correction project in the Des Moines and Federal Way area of Poverty Bay, implementing actions in their pollution closure response plan. Tacoma Pierce County Health Department has an enforcement process for failing on-site sewage systems south of Dash Point State Park.

### Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. All the stations meet the NSSP standard for an Approved classification.

### 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 continue to evaluate ongoing pollution identification and correction efforts in the watershed and monitor the creeks to the Conditionally Approved area during rainfall events in the Closed period. Due to the fecal coliform levels and flow from the Lakota WWTP, a portion of the growing area is in process of being reclassified from Approved to Conditionally Approved based on a loss of disinfection scenario.

## 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 Poverty Bay Growing Area**

Sampling Event Type: Regulatory

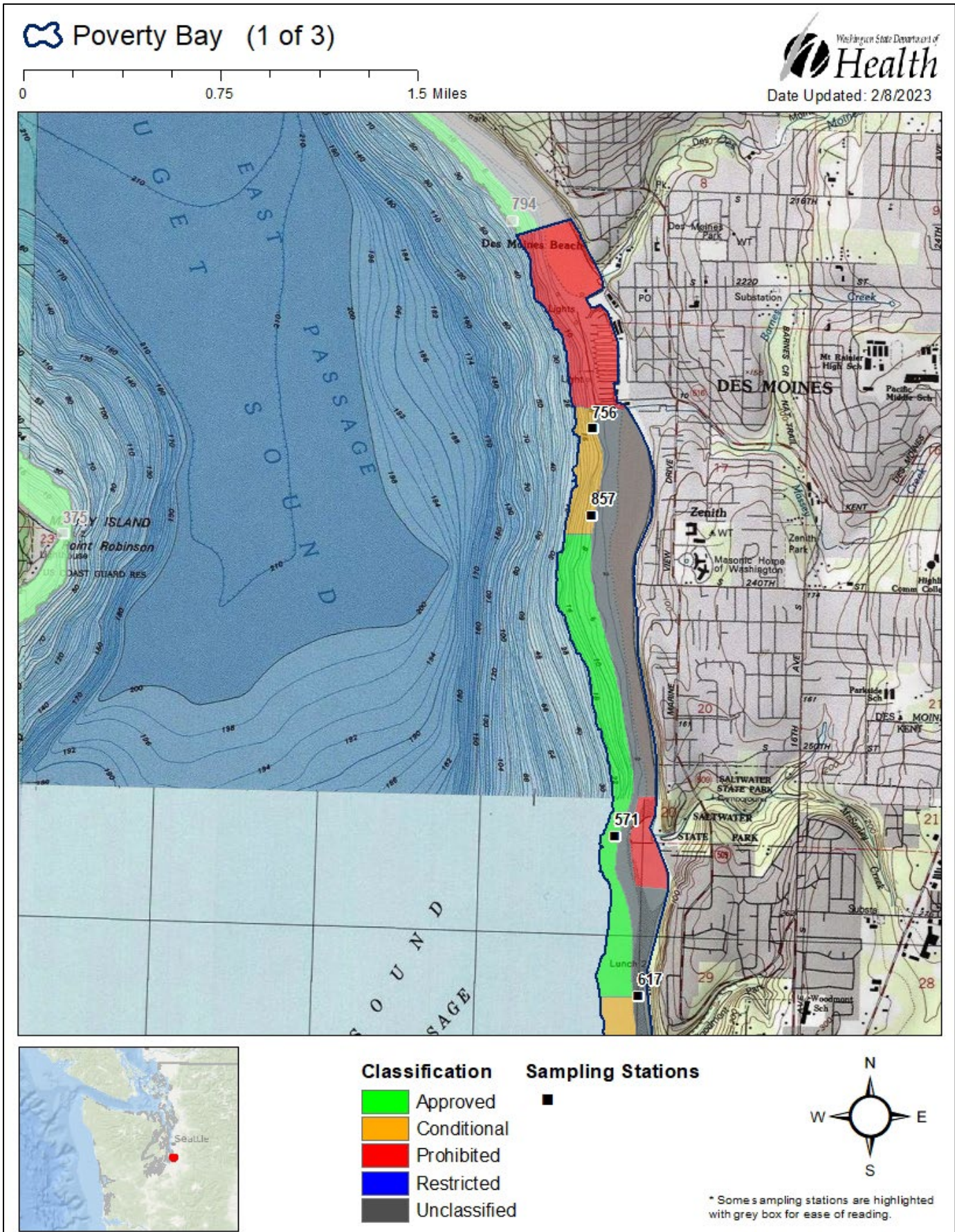
Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
571	Approved	1/15/2019 - 11/15/2023	1.7 - 6.8	1.9	3.0	Y
701	Approved	1/15/2019 - 11/15/2023	1.7 - 14.0	2.5	5.1	Y
702	Approved	1/15/2019 - 11/15/2023	1.7 - 17.0	2.2	4.5	Y
836	Approved	1/15/2019 - 11/15/2023	1.7 - 49.0	3.4	14.8	Y
837	Approved	1/15/2019 - 11/15/2023	1.7 - 49.0	3.2	11.6	Y
721	Conditionally Approved	7/8/2021 - 12/14/2023	1.7 - 13.0	2.7	6.7	Y
722	Conditionally Approved	7/8/2021 - 12/14/2023	1.7 - 33.0	2.3	6.3	Y
756	Conditionally Approved	7/8/2021 - 12/14/2023	1.7 - 350.0	3.4	17.9	Y
857	Conditionally Approved	7/8/2021 - 12/14/2023	1.7 - 33.0	2.3	5.2	Y
703	Prohibited	1/15/2019 - 11/15/2023	1.7 - 34.0	2.3	5.2	Y
720	Prohibited	7/8/2021 - 12/14/2023	1.7 - 170.0	4.6	22.1	Y
835	Prohibited	1/15/2019 - 11/15/2023	1.7 - 33.0	2.5	6.3	Y
617	Unclassified	1/15/2019 - 11/15/2023	1.7 - 240.0	2.3	7.4	Y
706	Unclassified	7/8/2021 - 12/14/2023	1.7 - 14.0	2.2	4.3	Y
707	Unclassified	7/8/2021 - 12/14/2023	1.7 - 17.0	2.8	7.4	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.

MAP 1. Poverty Bay Growing Area (1 of 3)









MAP 3 Poverty Bay Growing Area (3 of 3)

Poverty Bay (3 of 3)



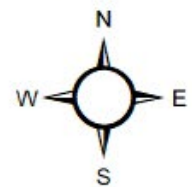
Date Updated: 2/8/2023

0 0.75 1.5 Miles



Classification	
<span style="color: green;">■</span>	Approved
<span style="color: orange;">■</span>	Conditional
<span style="color: red;">■</span>	Prohibited
<span style="color: blue;">■</span>	Restricted
<span style="color: grey;">■</span>	Unclassified

Sampling Stations



\* Some sampling stations are highlighted with grey box for ease of reading.