

Poverty Bay

Annual Shellfish Growing Area Review



Prepared By: Mark Toy

Area: Poverty Bay

Year Ending: December 31, 2021

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2021

The growing area was sampled a minimum of six times, in accordance with NSSP standards for Systematic Random Sampling. The Conditionally Approved area is closed to commercial shellfish harvest from June 1 through November 30 each year and the stations were sampled five (5) times during the Open period due to staffing/Covid issues. There was an extended emergency closure of Geoduck Tract 09950 from December 21, 2020 to February 2, 2021 due to a series of sanitary sewer overflows in the vicinity of McSorley Creek.

Public Health Seattle-King County received National Estuary Program grant funds to evaluate on-site septic systems and implement pollution identification and correction project in the Des Moines and Federal Way area of Poverty Bay, implementing actions in their Closure Response Plan. Pierce County has an enforcement process for failing OSS south of Dash Point State Park.

Analytical Results of Water Samples

Table 1 summarizes the 30 most recent samples collected from each of the sampling stations for all months. Approved Station 701 is Concerned. Table 2 shows open period data for the Conditionally Approved stations based on the last 30 samples. Station 720 is Concerned during the open period.

Change in Actual Pollution Sources that Impact the Growing Area

Elevated fecal coliform levels in the freshwater drainages in the Conditionally Approved area continue to be a source of potential pollution during rainfall events in the Closed period and are not always captured at the marine water stations.

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 Department should continue to evaluate ongoing pollution identification and correction efforts in the watershed and monitor the freshwater discharges to the Conditionally Approved area during rainfall events in the Closed period. Water quality and shoreline conditions indicate that the area is correctly classified.

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 th Percentile (FC/100mL)	Meets Standard
571	Approved	1/9/2017 - 11/18/2021	1.7 - 11.0	2.1	3.9	Y
701	Approved	1/9/2017 - 11/18/2021	1.7 - 2400.0	3.6	21.9	Y
702	Approved	1/9/2017 - 11/18/2021	1.7 - 33.0	2.9	10.0	Y
836	Approved	1/9/2017 - 11/18/2021	1.7 - 49.0	4.3	20.0	Y
837	Approved	1/9/2017 - 11/18/2021	1.7 - 27.0	4.1	13.8	Y
720	Conditionally Approved	6/13/2019 - 12/2/2021	1.7 - 540.0	6.8	58.1	N
721	Conditionally Approved	6/13/2019 - 12/2/2021	1.7 - 130.0	3.4	13.1	Y
722	Conditionally Approved	6/13/2019 - 12/2/2021	1.7 - 22.0	2.4	5.6	Y
756	Conditionally Approved	6/13/2019 - 12/2/2021	1.7 - 240.0	3.8	25.2	Y
857	Conditionally Approved	6/13/2019 - 12/2/2021	1.7 - 13.0	2.0	3.5	Y
570	Prohibited	1/9/2017 - 11/18/2021	1.7 - 17.0	2.4	5.6	Y
572	Prohibited	1/9/2017 - 11/18/2021	1.7 - 33.0	2.1	4.3	Y
703	Prohibited	1/9/2017 - 11/18/2021	1.7 - 34.0	2.5	6.4	Y
704	Prohibited	1/9/2017 - 11/18/2021	1.7 - 23.0	2.6	7.1	Y
705	Prohibited	1/9/2017 - 11/18/2021	1.7 - 79.0	2.6	8.3	Y
835	Prohibited	1/9/2017 - 11/18/2021	1.7 - 540.0	4.0	24.3	Y
567	Unclassified	1/9/2017 - 11/18/2021	1.7 - 6.8	2.0	3.2	Y
568	Unclassified	1/9/2017 - 11/18/2021	1.7 - 350.0	2.9	11.6	Y
617	Unclassified	4/13/2017 - 11/18/2021	1.7 - 23.0	2.3	5.3	Y
706	Unclassified	6/13/2019 - 12/2/2021	1.7 - 22.0	2.6	6.1	Y
707	Unclassified	6/13/2019 - 12/2/2021	1.7 - 49.0	2.9	11.0	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. Summary of Marine Water Data from the Conditionally Approved Stations during the Open Period

Sampling Event Type: Regulatory

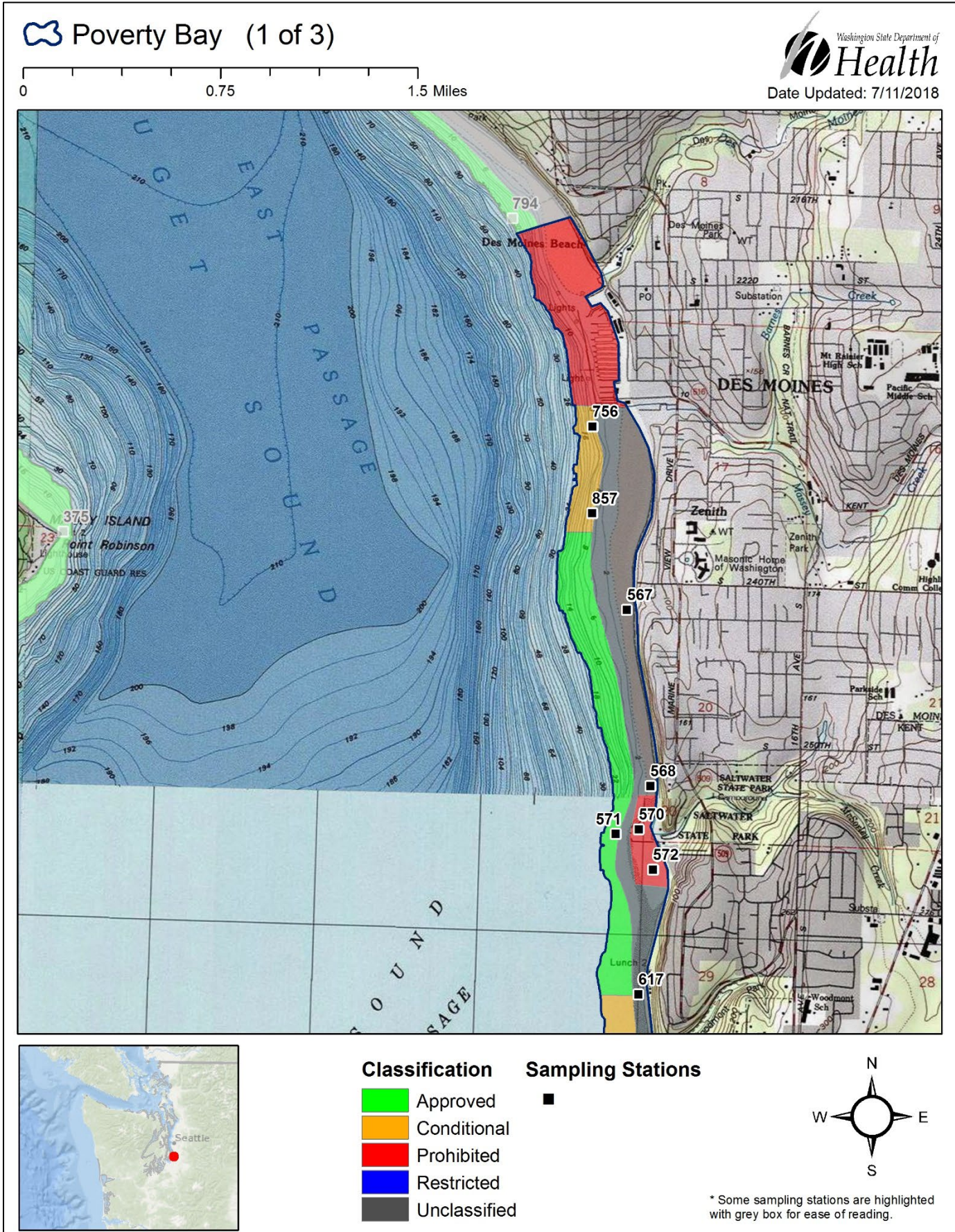
Tides included: All

Includes data for last 30 samples during Open Period (December 1 through May 31)

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
720	Conditionally Approved	12/12/2016 - 12/2/2021	1.7 - 540.0	4.4	24.5	Y
721	Conditionally Approved	12/12/2016 - 12/2/2021	1.7 - 33.0	2.9	9.5	Y
722	Conditionally Approved	4/18/2016 - 12/2/2021	1.7 - 17.0	2.3	5.1	Y
756	Conditionally Approved	4/18/2016 - 12/2/2021	1.7 - 240.0	3.0	15.2	Y
857	Conditionally Approved	4/18/2016 - 12/2/2021	1.7 - 13.0	2.0	3.7	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

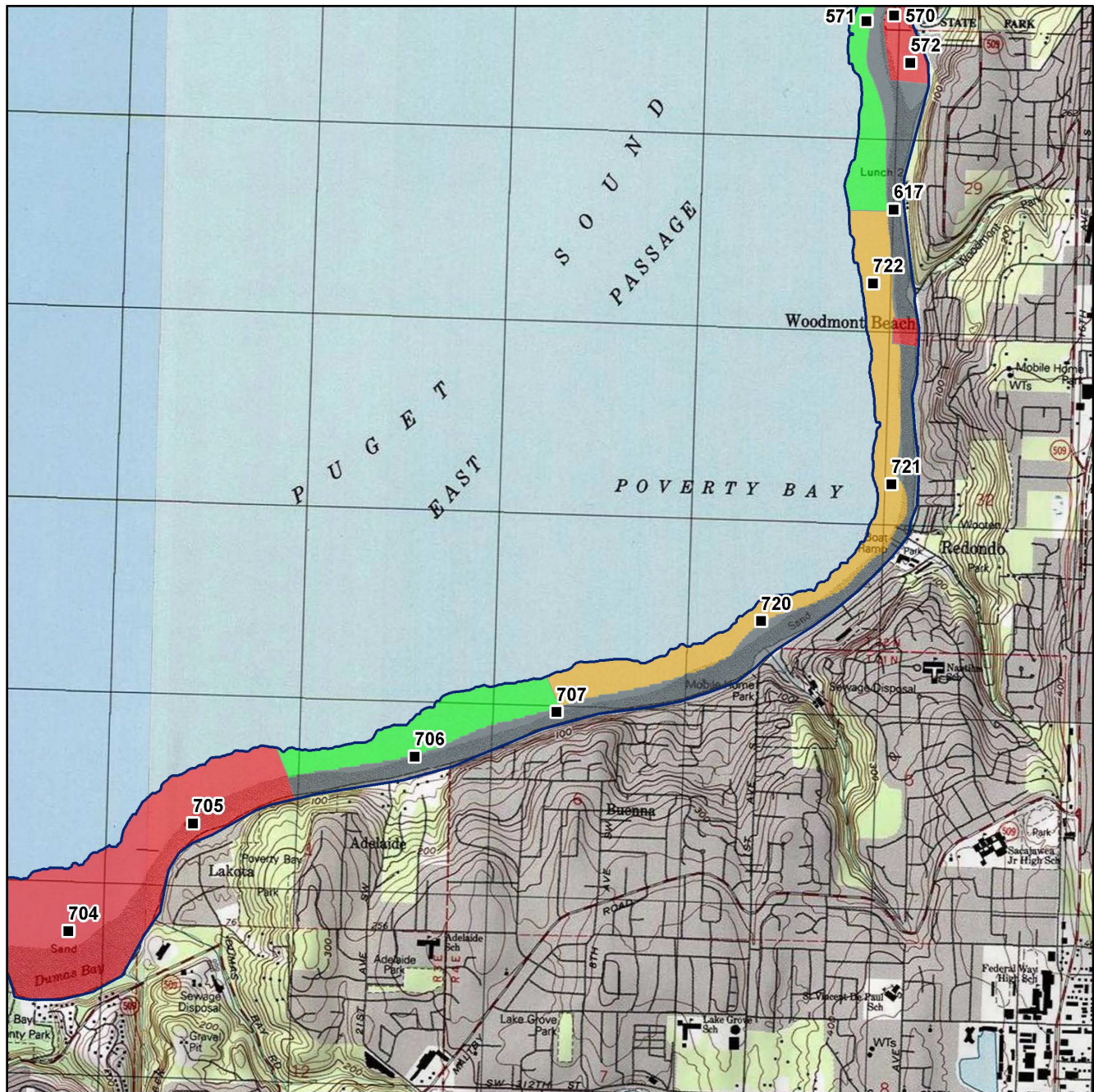
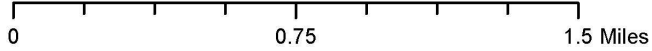


MAP 2. Poverty Bay Growing Area 2 of 3

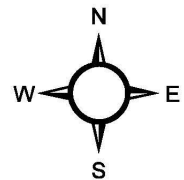
Poverty Bay (2 of 3)



Date Updated: 7/11/2018



Classification	Sampling Stations
■ Approved	■
■ Conditional	
■ Prohibited	
■ Restricted	
■ Unclassified	



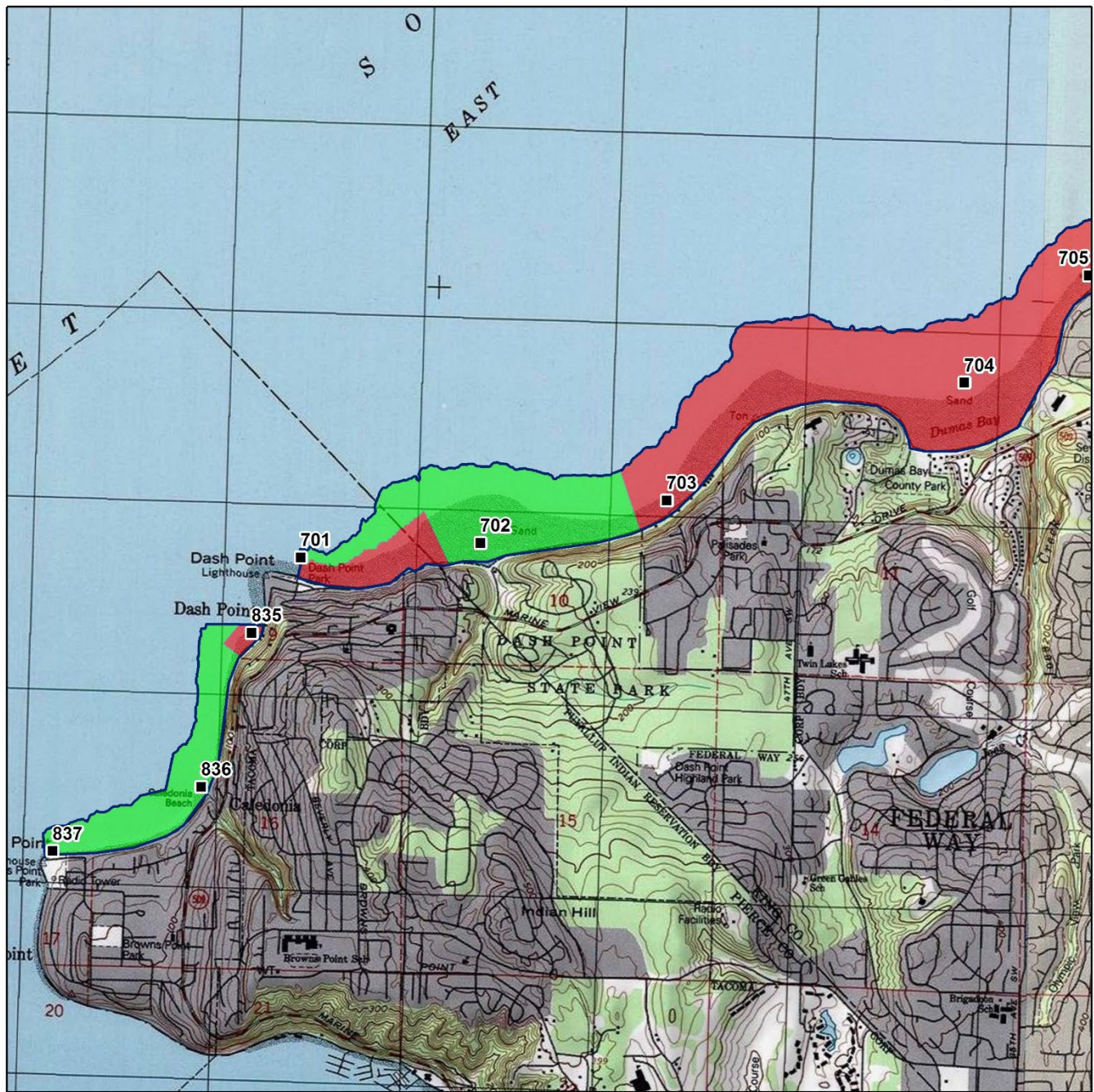
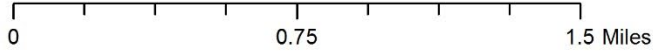
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 3 Poverty Bay Growing Area 3 of 3

Poverty Bay (3 of 3)

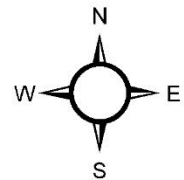


Date Updated: 7/11/2018



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Sampling Stations



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