

Poverty Bay

Annual Shellfish Growing Area Review



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Area: Poverty Bay

Year Ending: December 31, 2024

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled six or 12 times in accordance with NSSP standards for Systematic Random Sampling. Stations 571, 617, 701, 702, 703, 835, 836, and 837 were sampled six times. Stations 706, 707, 720, 721, 722, 756, and 857 were sampled 12 times.

There are now three Conditionally Approved areas in the Poverty Bay growing area. The Conditionally Approved area associated with marine water sampling stations 756 and 857 and the area associated with marine water sampling stations 721 and 722 is closed from June 1 through November 30 each year and the stations were sampled five or six times during the Open period. Those stations that were only sampled five times during the Open period were due to laboratory or collection errors.

The Conditionally Approved area associated with Marine Water Sampling Station 702 was reclassified as Conditionally Approved due to changes in flow and bacteria levels prior to disinfection at the Lakota WWTP. The Conditionally Approved area associated with the WWTP CAAMP was not closed in 2024.

An annual Poverty Bay CAAMP evaluation of the Lakota WWTP was completed. An inspection and evaluation of the Des Moines Marina was completed. No changes to the classifications or the WWTP CAAMP were needed. Comprehensive evaluation reports are in the central growing area file. A routine three-year shoreline evaluation was completed. King County sampled the four creeks associated with the creek CAAMP during the Conditionally Approved Closed period. The following table summarizes the sampling information and results.

TABLE 1. Conditionally Approved Area Creek Samples

Creek	Sampling Date *Duplicate Sample	Sample Result (FC/100mL)	Creek Discharge (gpm)	Loading Rate (FC/day)	Exceeds the Fecal Coliform Loading Criteria
Massey	11/4/2024	1100	1903	1.141E+11	Yes
Massey	11/4/2024*	2400	1903	2.489E+11	Yes
Massey	11/13/2024	430	1175	2.753E+10	No
Massey	11/25/2024	420	1698	3.887E+10	Yes
Woodmont	11/4/2024	590	115	3.688E+09	No
Woodmont	11/13/2024	1200	732	4.785E+10	No
Woodmont	11/25/2024	48	591	1.547E+09	No
Woodmont	11/25/2024*	68	591	2.191E+09	No
Redondo	11/13/2024	440	868	2.083E+10	Yes
Redondo	11/25/2024	69	183	6.869E+08	No
Cold	11/4/2024	360	2466	4.839E+10	Yes
Cold	11/13/2024	140	868	6.627E+09	No
Cold	11/25/2024	50	1657	4.516E+09	No

Massey, Redondo and Cold Creeks all exceeded the fecal coliform loading criteria at least once during the closed period. Woodmont Creek did not exceed the fecal coliform loading criteria.

A portion of the growing area was closed for 13 days due to a sewage spill. This closure extended into 2025.

Public Health Seattle King County 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

Due to the fecal coliform levels and flow from the Lakota WWTP, 112 acres were downgraded from Approved to Conditionally Approved based on a loss of disinfection scenario. 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. The Department should determine if there is an area associated with Woodmont Creek that can be upgraded from Conditionally Approved to Approved.

Management Plan Evaluation – Creek CAAMP

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

Management Plan Evaluation – WWTP CAAMP

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

TABLE 2. Summary of Marine Water Data (SRS) for the Poverty Bay Growing Area

Sampling Event Type: Regulatory

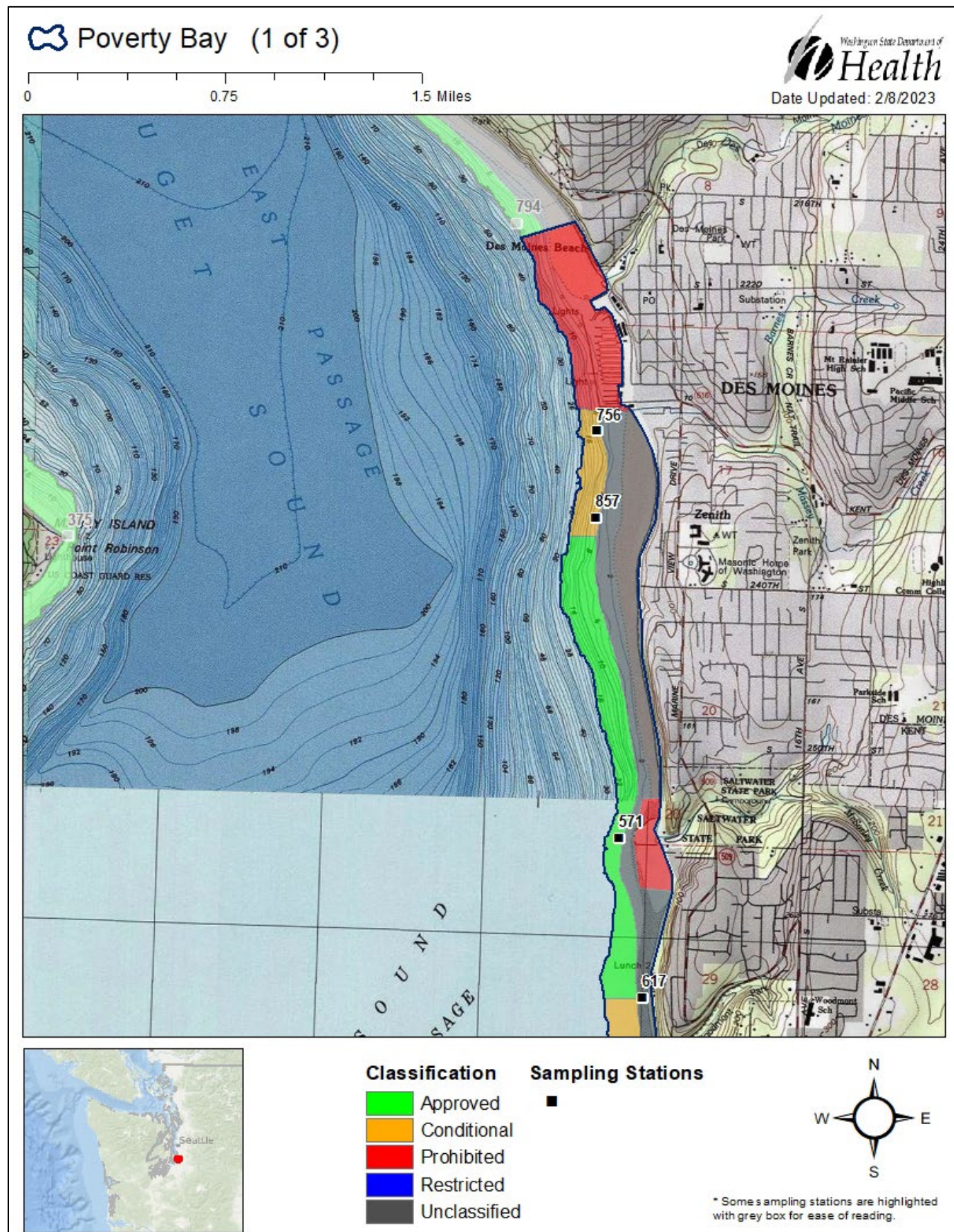
Maximum Number of Samples: 30

Tides Included: All

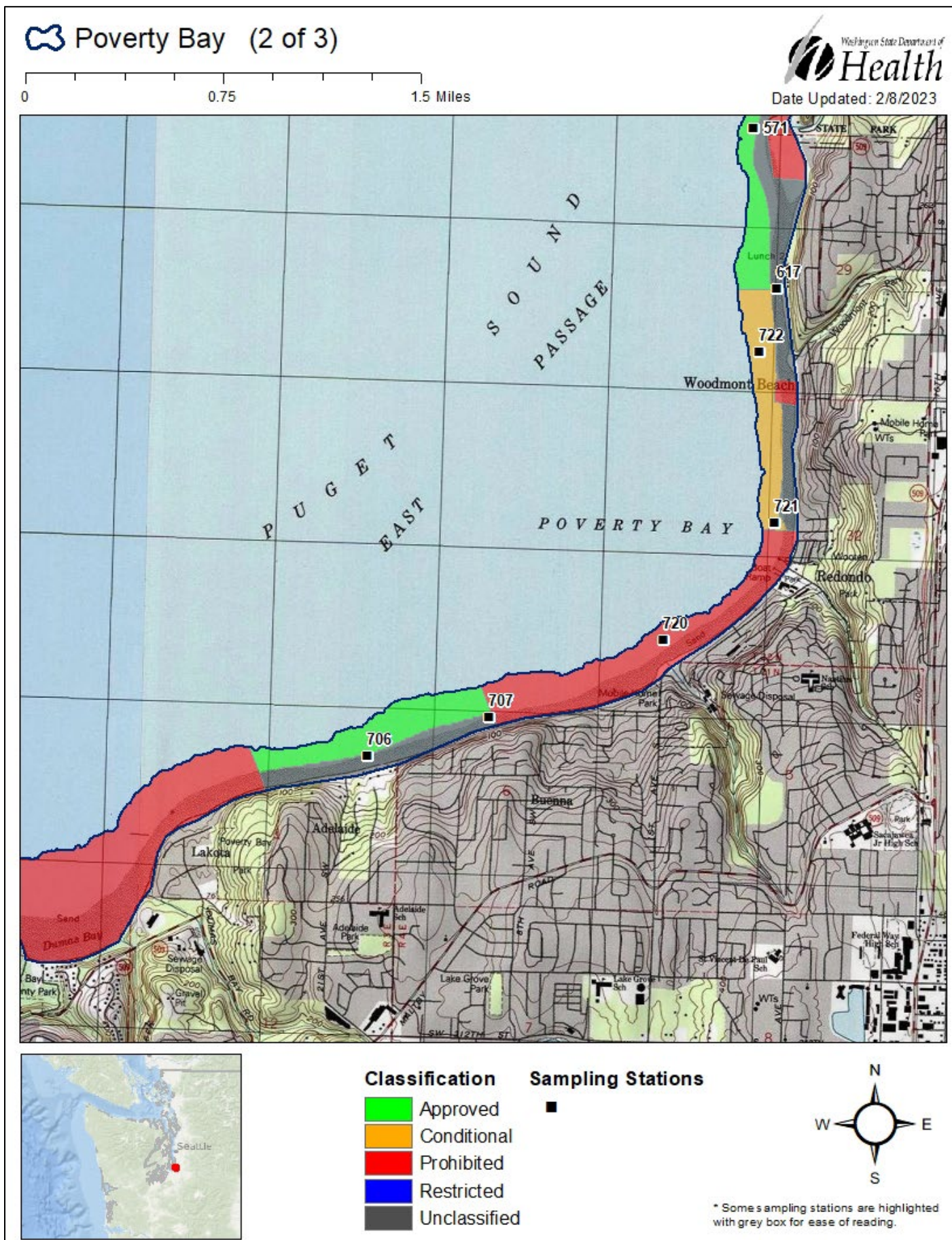
Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
571	Approved	2/20/2020 - 12/12/2024	1.7 - 6.8	1.9	3.0	Y
701	Approved	2/20/2020 - 12/12/2024	1.7 - 79.0	2.9	8.3	Y
836	Approved	2/20/2020 - 12/12/2024	1.7 - 49.0	3.2	10.9	Y
837	Approved	2/20/2020 - 12/12/2024	1.7 - 49.0	3.4	12.5	Y
702	Conditionally Approved	2/20/2020 - 12/12/2024	1.7 - 17.0	2.2	4.7	Y
721	Conditionally Approved	7/7/2022 - 12/12/2024	1.7 - 13.0	2.3	4.7	Y
722	Conditionally Approved	7/7/2022 - 12/12/2024	1.7 - 7.8	2.2	3.9	Y
756	Conditionally Approved	7/7/2022 - 12/12/2024	1.7 - 350.0	3.6	20.6	Y
857	Conditionally Approved	7/7/2022 - 12/12/2024	1.7 - 6.8	2.1	3.5	Y
703	Prohibited	2/20/2020 - 12/12/2024	1.7 - 34.0	2.4	5.4	Y
720	Prohibited	7/7/2022 - 12/12/2024	1.7 - 49.0	3.4	11.8	Y
835	Prohibited	2/20/2020 - 12/12/2024	1.7 - 33.0	2.7	7.4	Y
617	Unclassified	2/20/2020 - 12/12/2024	1.7 - 240.0	2.4	8.5	Y
706	Unclassified	7/7/2022 - 12/12/2024	1.7 - 14.0	2.0	3.4	Y
707	Unclassified	7/7/2022 - 12/12/2024	1.7 - 17.0	2.5	6.2	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)

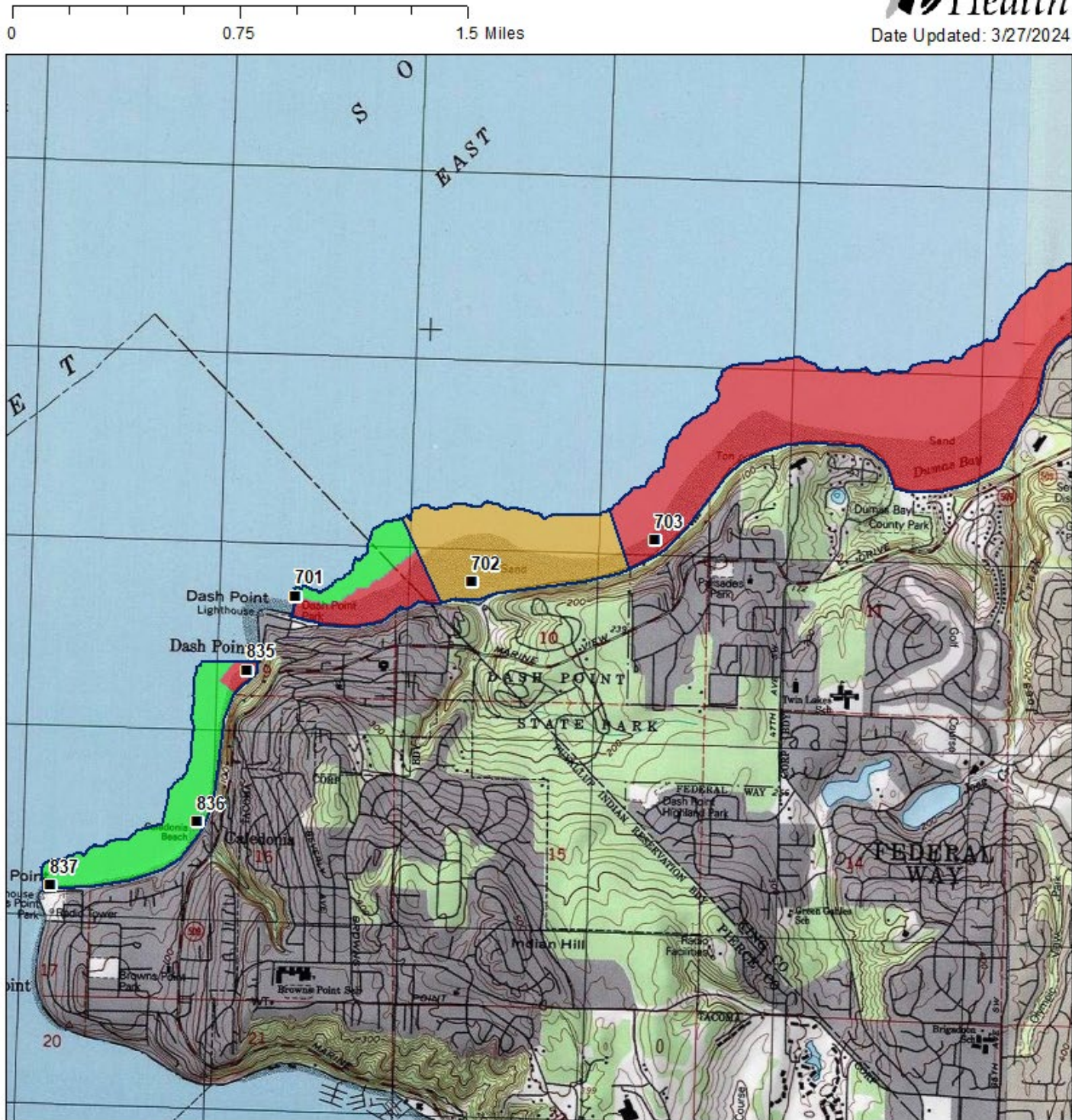


MAP 2. Poverty Bay Growing Area (2 of 3)

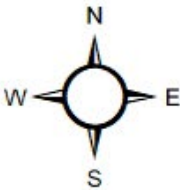


MAP 3 Poverty Bay Growing Area (3 of 3)

Poverty Bay (3 of 3)



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



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