

Henderson Bay

Annual Shellfish Growing Area Review



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Area: Henderson Bay

Year Ending: December 31, 2023

Classification: Approved, Prohibited

Activities in the Growing Area in 2023

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. The northern half of Minter Bay was closed for 80 days during 2023 due to a sewage discharge and remains closed at the time of this report.

The Tacoma-Pierce County Health Department, Pierce County Surface Water Management, Pierce Conservation District, Kitsap Public Health District and Kitsap Conservation District have continued pollution identification and correction activities in the Minter Bay watershed.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. All the stations in the Approved areas meet the NSSP standard for an Approved classification. Station 881 only has 20 samples, and stations 883 and 884 have 14 samples each. Stations 885 - 899 have 6 samples each.

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

Table 1 shows that all stations in the Approved area meet the NSSP water quality standard and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) for the Henderson 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
298	Approved	2/26/2019 - 12/4/2023	1.7 - 70.0	2.4	7.4	Y
299	Approved	2/26/2019 - 12/4/2023	1.7 - 49.0	2.3	6.4	Y
300	Approved	2/26/2019 - 12/4/2023	1.7 - 49.0	2.5	6.7	Y
301	Approved	2/26/2019 - 12/4/2023	1.7 - 7.8	1.9	3.2	Y
302	Approved	2/26/2019 - 12/4/2023	1.7 - 23.0	2.0	3.6	Y
303	Approved	2/26/2019 - 12/4/2023	1.7 - 23.0	2.1	4.6	Y
305	Approved	2/26/2019 - 12/4/2023	1.7 - 17.0	3.3	9.6	Y
306	Approved	2/26/2019 - 12/4/2023	1.7 - 33.0	3.5	10.6	Y
307	Approved	2/26/2019 - 12/4/2023	1.7 - 49.0	3.5	13.1	Y
308	Approved	2/26/2019 - 12/4/2023	1.7 - 130.0	3.8	18.7	Y
309	Approved	2/26/2019 - 12/4/2023	1.7 - 4.5	1.8	2.2	Y
310	Approved	2/26/2019 - 12/4/2023	1.7 - 2.0	1.7	1.9	Y
311	Approved	2/26/2019 - 12/4/2023	1.7 - 9.3	2.6	5.4	Y
312	Approved	2/26/2019 - 12/4/2023	1.7 - 22.0	2.5	6.1	Y
601	Approved	2/26/2019 - 12/4/2023	1.7 - 2.0	1.7	1.9	Y
653	Approved	2/26/2019 - 12/4/2023	1.7 - 13.0	2.0	3.5	Y
708	Approved	2/26/2019 - 12/4/2023	1.7 - 33.0	2.8	8.5	Y
710	Approved	2/26/2019 - 12/4/2023	1.7 - 33.0	2.2	4.9	Y
752	Approved	2/26/2019 - 12/4/2023	1.7 - 23.0	2.6	7.1	Y
852	Approved	2/26/2019 - 12/4/2023	1.7 - 23.0	2.3	5.6	Y
881	Approved	9/28/2020 - 12/4/2023	1.7 - 79.0	3.8	16.7	*N/A
850	Prohibited	2/26/2019 - 12/4/2023	1.7 - 130.0	6.1	35.1	Y
297	Unclassified	2/26/2019 - 12/4/2023	1.7 - 79.0	2.5	7.8	Y
636	Unclassified	2/26/2019 - 12/4/2023	1.7 - 4.0	1.8	2.2	Y
748	Unclassified	2/26/2019 - 12/4/2023	1.7 - 920.0	2.8	14.1	Y
883	Unclassified	10/6/2021 - 12/4/2023	1.7 - 49.0	5.3	22.9	*N/A
884	Unclassified	10/6/2021 - 12/4/2023	1.7 - 13.0	3.3	8.1	*N/A
885	Unclassified	2/14/2023 - 12/4/2023	1.7 - 11.0	4.4	11.9	*N/A
886	Unclassified	2/14/2023 - 12/4/2023	1.7 - 6.8	2.3	4.6	*N/A
887	Unclassified	2/14/2023 - 12/4/2023	1.7 - 2.0	1.8	2.0	*N/A
888	Unclassified	2/14/2023 - 12/4/2023	1.7 - 4.5	2.4	4.5	*N/A

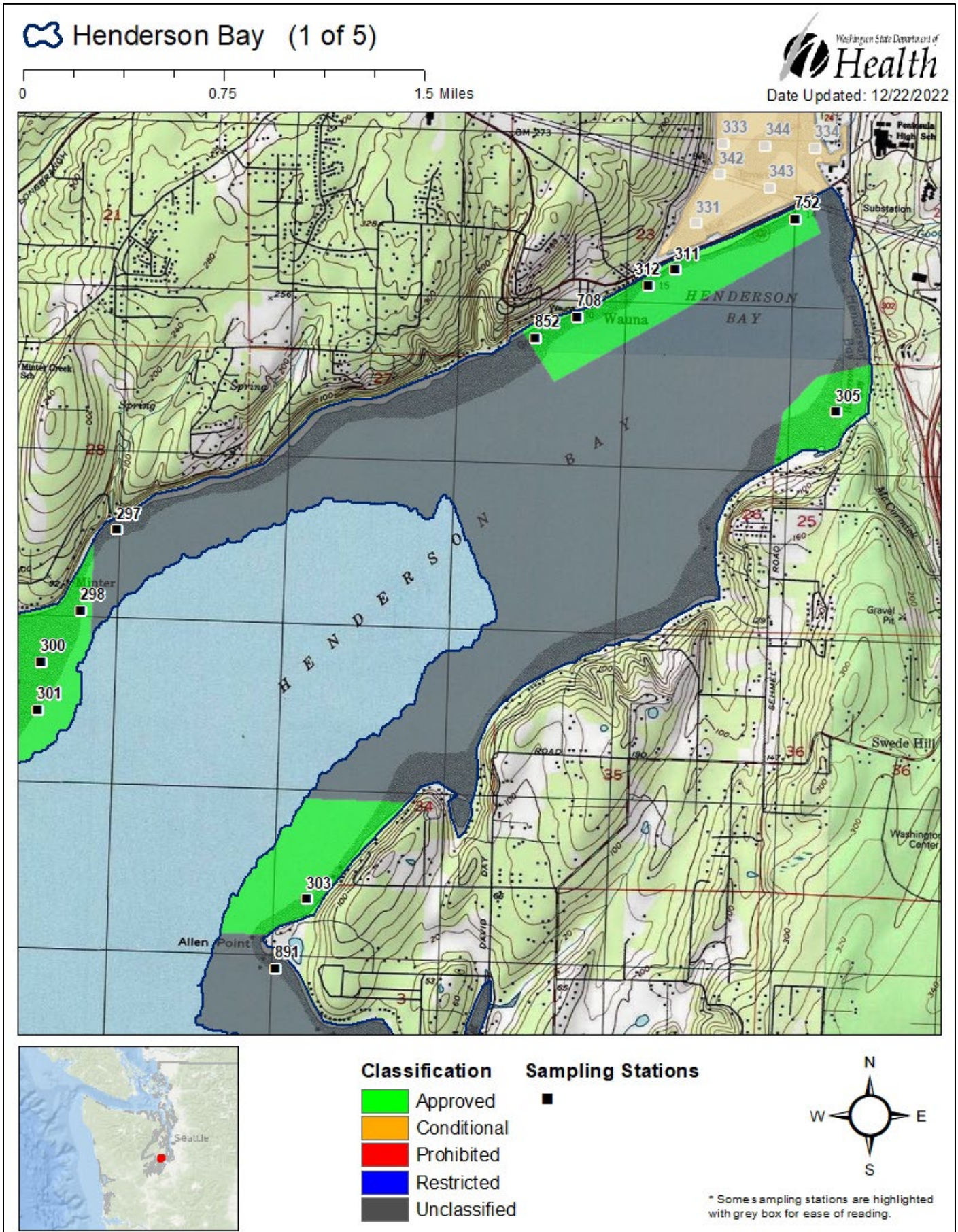
TABLE 1. Continued

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
889	Unclassified	2/14/2023 - 12/4/2023	1.7 - 14.0	2.9	8.5	*N/A
891	Unclassified	2/14/2023 - 12/4/2023	1.7 - 4.5	2.1	3.4	*N/A
892	Unclassified	2/14/2023 - 12/4/2023	1.7 - 33.0	2.9	13.3	*N/A
893	Unclassified	2/14/2023 - 12/4/2023	1.7 - 33.0	3.4	15.3	*N/A
894	Unclassified	2/14/2023 - 12/4/2023	1.7 - 33.0	2.8	13.1	*N/A
895	Unclassified	2/14/2023 - 12/4/2023	1.7 - 13.0	2.9	8.3	*N/A
896	Unclassified	2/14/2023 - 12/4/2023	1.7 - 17.0	4.0	13.0	*N/A
897	Unclassified	2/14/2023 - 12/4/2023	1.7 - 4.5	2.2	3.5	*N/A
898	Unclassified	2/14/2023 - 12/4/2023	1.7 - 1.7	1.7	1.7	*N/A
899	Unclassified	2/14/2023 - 12/4/2023	1.7 - 2.0	1.8	2.0	*N/A

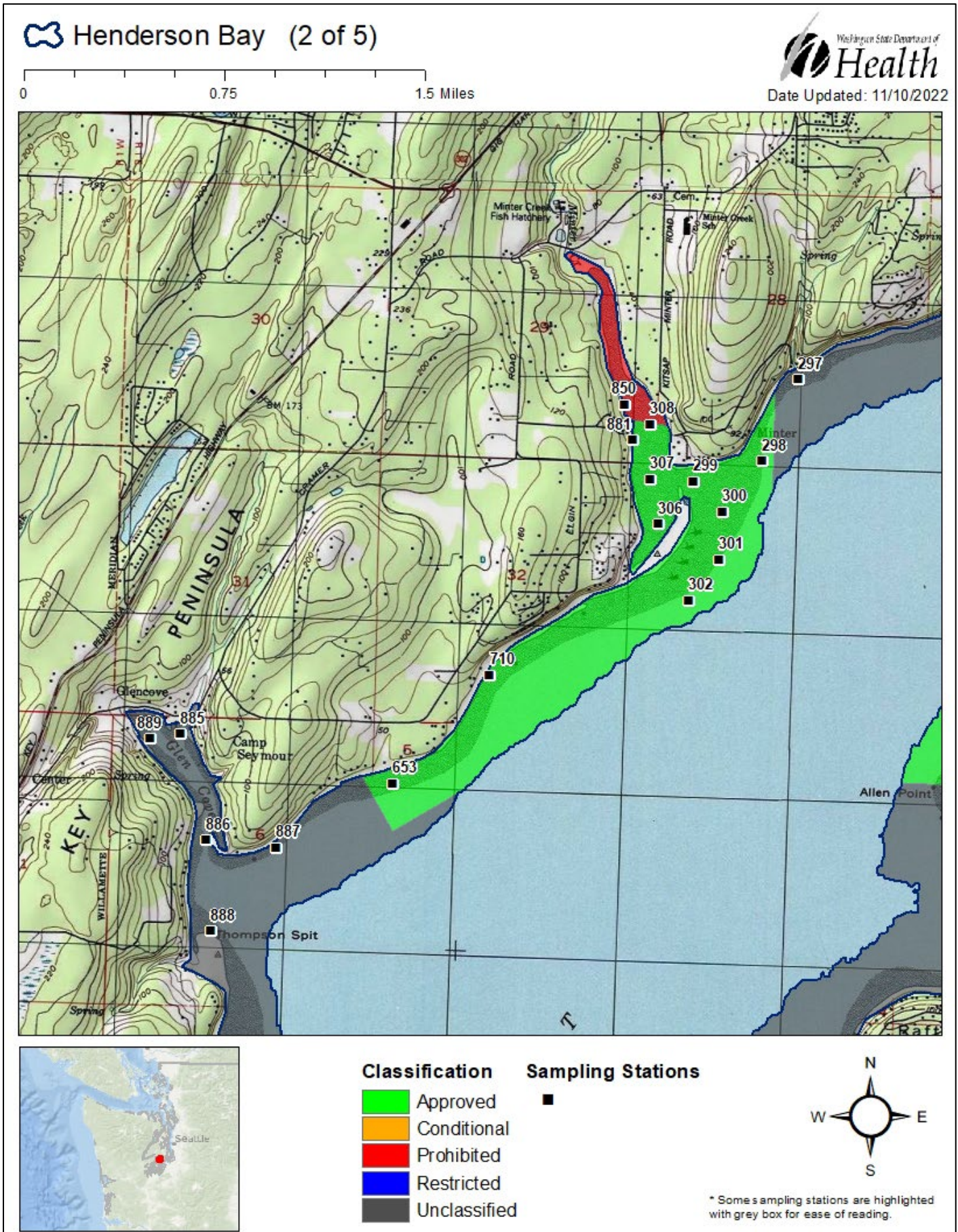
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

* N/A – SRS criteria require a minimum of 30 samples from each station.

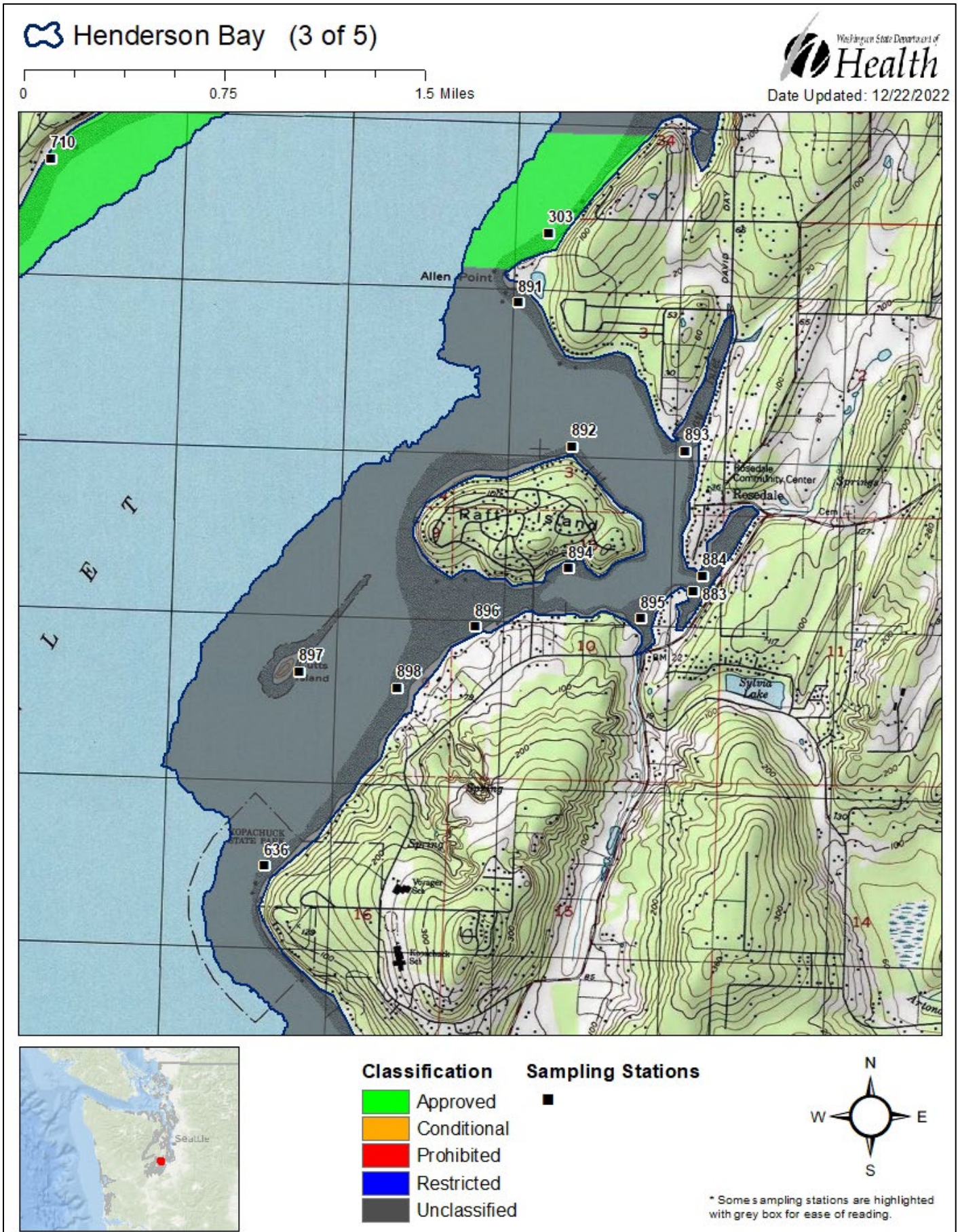
MAP 1. Henderson Bay Growing Area (1 of 5)



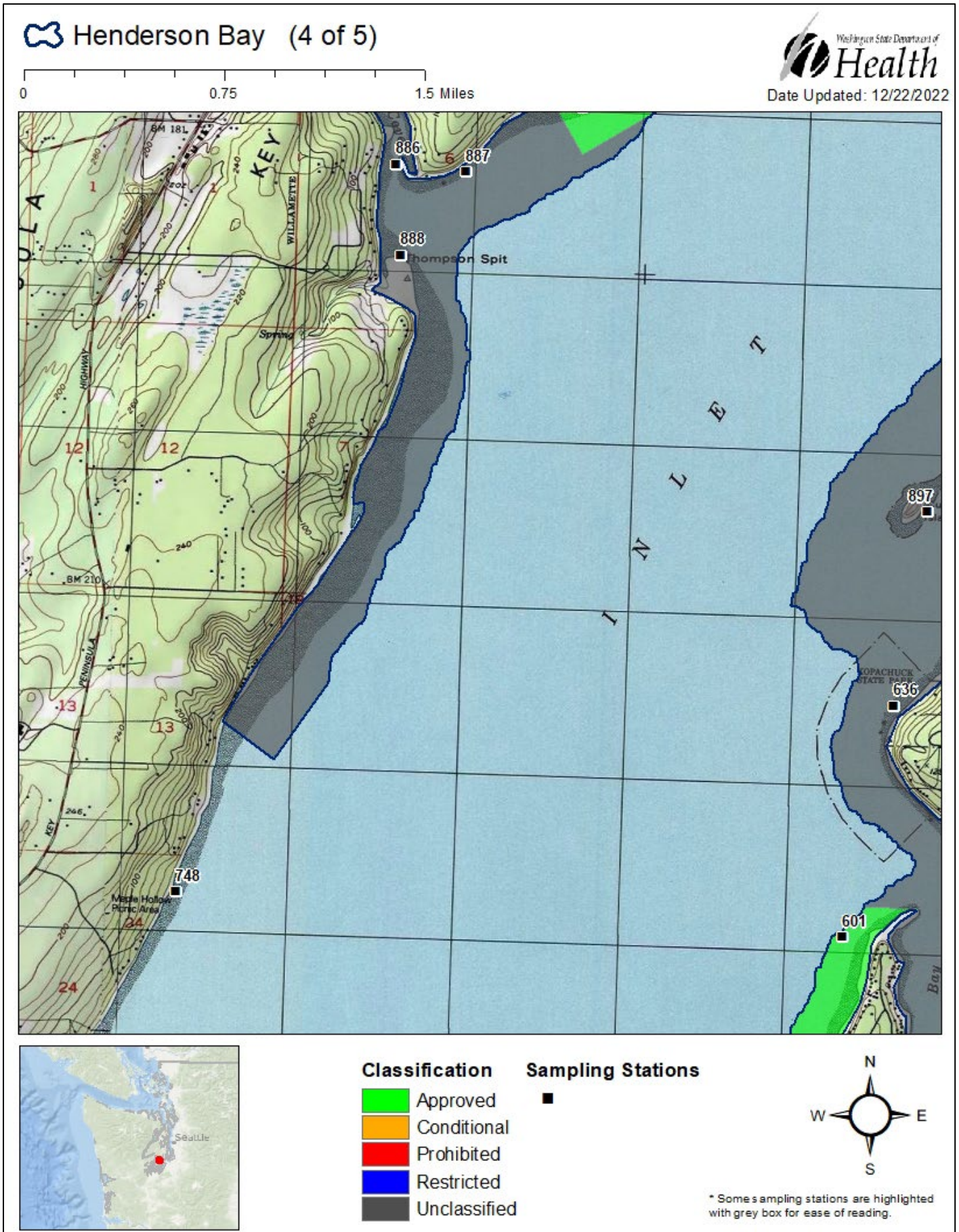
MAP 2. Henderson Bay Growing Area (2 of 5)



MAP 3. Henderson Bay Growing Area (3 of 5)



MAP 4. Henderson Bay Growing Area (4 of 5)



MAP 5. Henderson Bay Growing Area (5 of 5)

