Similk Bay

Annual Shellfish Growing Area Review

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Area: Similk Bay

Year Ending: December 31, 2019

Classification: Approved

Activities in the Growing Area in 2019

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Department added two marine water quality stations, 421 and 422, as a result of a classification request.

Analytical Results of Water Samples

Table 1 summarizes the 30 most recent samples collected from each of the sampling stations. Stations 421 and 422 do not have enough samples to meet the NSSP criteria for classification. All other stations meet NSSP standards for an Approved classification.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating that the area has 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

Table 1 shows that all stations with at least 30 samples meet the NSSP water quality standards for an Approved classification and the area is correctly classified.

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TABLE 1. Summary of Marine Water Data (SRS) Similk Bay Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

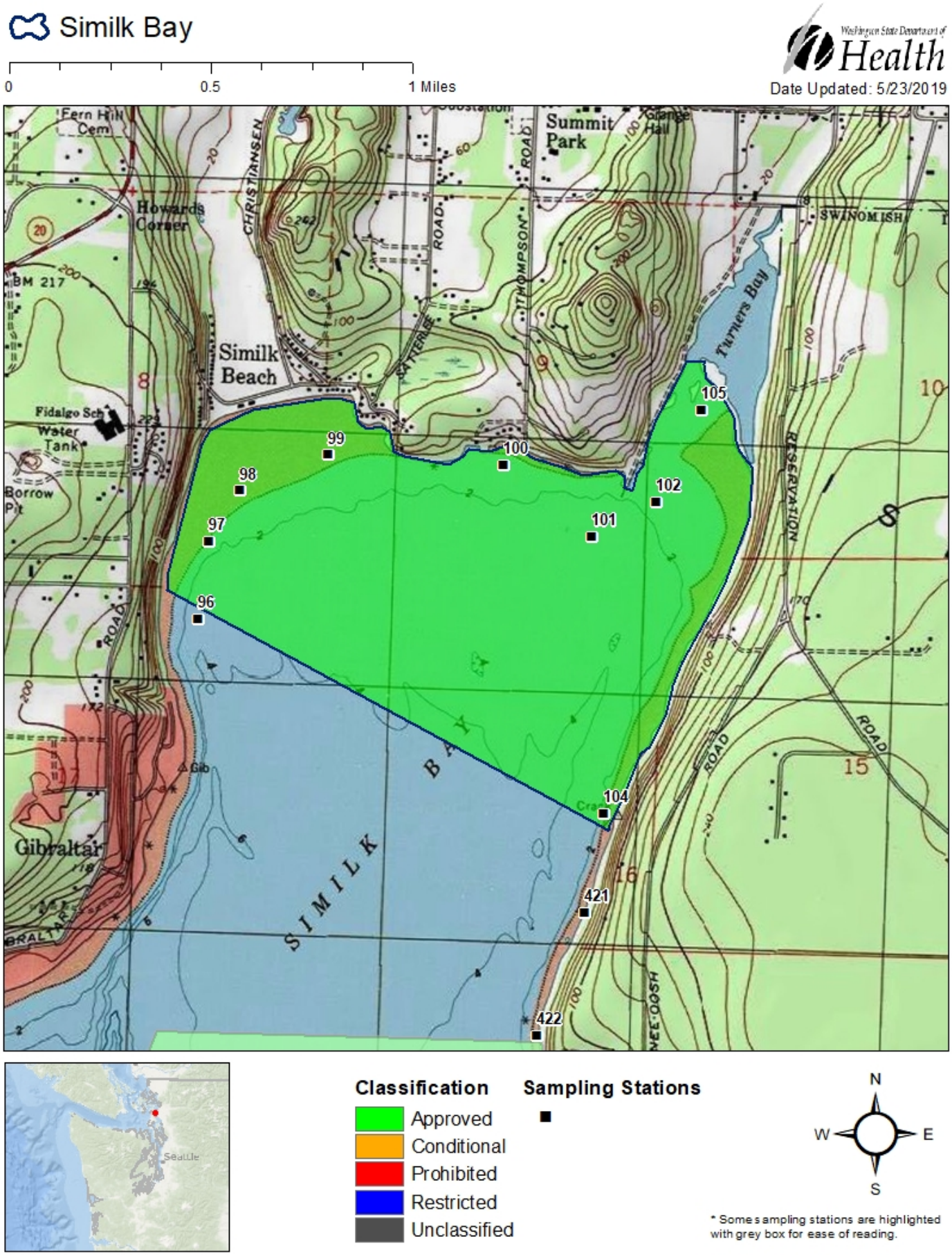
Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90th Percentile (FC/100mL	Meets Standard
97	Approved	2/4/2015 - 12/10/2019	1.7 - 13.0	2.0	3.5	Y
98	Approved	2/4/2015 - 12/10/2019	1.7 - 3.7	1.8	2.2	Y
99	Approved	2/4/2015 - 12/10/2019	1.7 - 49.0	2.4	6.5	Y
100	Approved	2/4/2015 - 12/10/2019	1.7 - 350.0	2.5	11.4	Y
101	Approved	2/4/2015 - 12/10/2019	1.7 - 33.0	2.0	4.3	Y
102	Approved	2/4/2015 - 12/10/2019	1.7 - 7.8	2.3	4.2	Y
104	Approved	2/4/2015 - 12/10/2019	1.7 - 13.0	2.1	3.9	Y
105	Approved	2/4/2015 - 12/10/2019	1.7 - 33.0	2.3	5.2	Y
96	Unclassified	2/4/2015 - 12/10/2019	1.7 - 46.0	2.0	4.6	Y
421	Unclassified	8/19/2019 - 12/10/2019	1.7 - 2500.0	30.7	4365.9	*N/A
422	Unclassified	8/19/2019 - 12/10/2019	1.7 - 7.8	3.9	10.5	*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. Similk Bay Growing Area



Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

Sampling Stations

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