

Kingston

Annual Shellfish Growing Area Review



Prepared By: Michael Friese

Area: Kingston

Year Ending: December 31, 2019

Classification: Approved, Prohibited

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. We stopped sampling marine stations 540, 541 and 534 in December due to redundancy. An evaluation of the Kingston WWTP was completed in October and no changes were needed to the Prohibited area. A portion of the growing area was closed for two days due to a suspected sewage spill. Further investigation determined that the sewage spill did not impact the growing area.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from the area. All stations meet NSSP water quality standard 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 the stations in the table meet the NSSP water quality standard for an Approved classification and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) Kingston 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
531	Approved	2/19/2015 - 12/5/2019	1.7 - 13.0	2.1	4.2	Y
532	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	2.0	3.3	Y
533	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	1.9	3.0	Y
535	Approved	2/19/2015 - 12/5/2019	1.7 - 13.0	2.0	3.7	Y
536	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	1.9	2.8	Y
537	Approved	2/19/2015 - 12/5/2019	1.7 - 6.8	1.9	3.0	Y
538	Approved	2/19/2015 - 12/5/2019	1.7 - 4.5	1.8	2.3	Y
539	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	1.9	3.0	Y
542	Approved	2/19/2015 - 12/5/2019	1.7 - 11.0	2.0	3.3	Y
543	Approved	2/19/2015 - 12/5/2019	1.7 - 4.5	1.9	2.6	Y
544	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	1.9	3.1	Y
545	Approved	2/19/2015 - 12/5/2019	1.7 - 7.8	2.1	3.7	Y
746	Approved	2/19/2015 - 12/5/2019	1.7 - 13.0	2.2	4.3	Y
747	Approved	2/19/2015 - 12/5/2019	1.7 - 21.0	2.6	6.1	Y

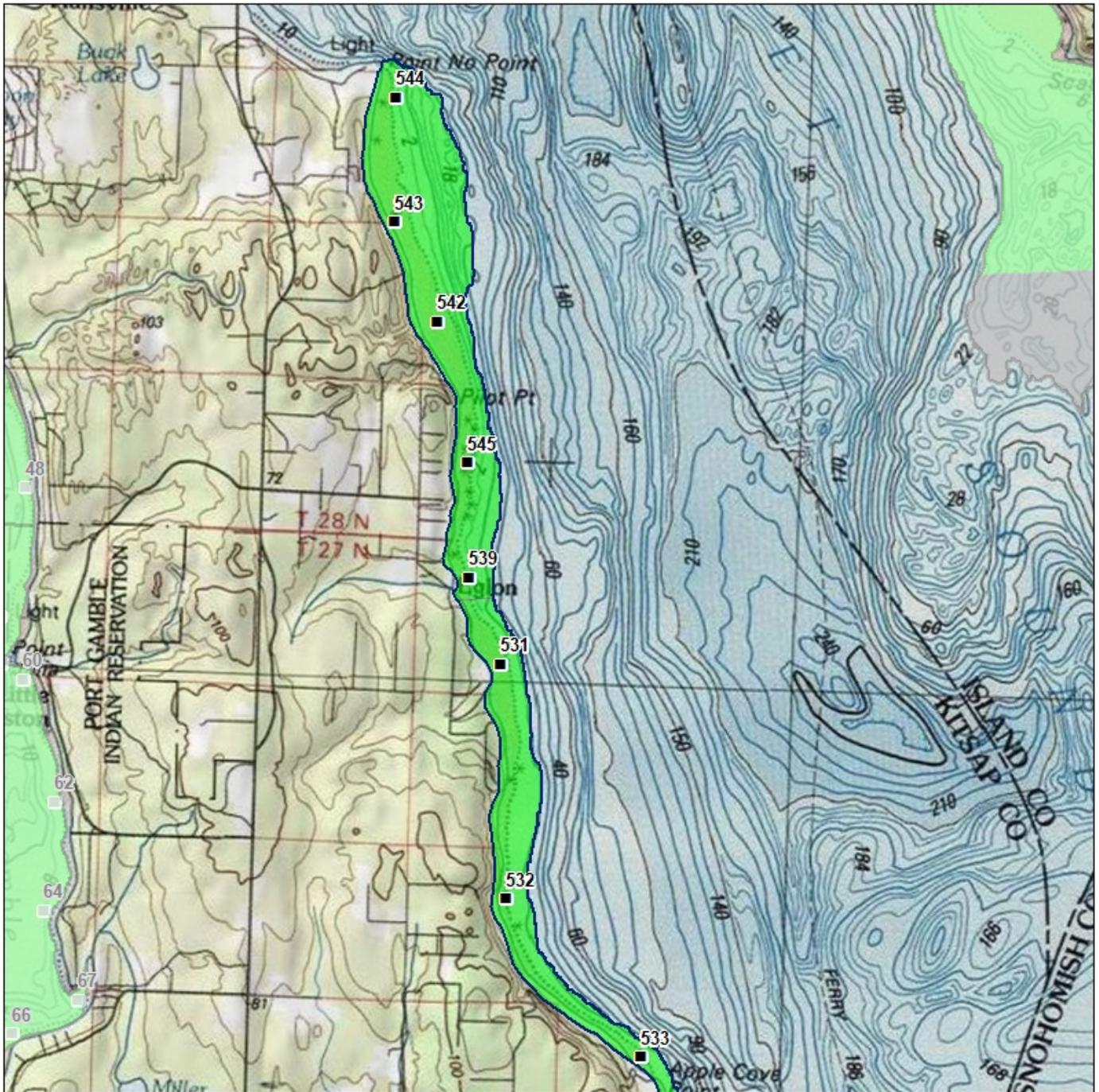
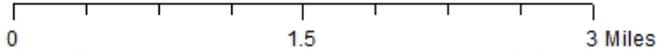
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Kingston Growing Area 1 of 2

Kingston (1 of 2)

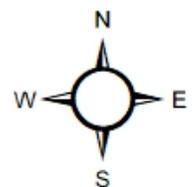


Date Updated: 8/14/2019



Classification Sampling Stations

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified



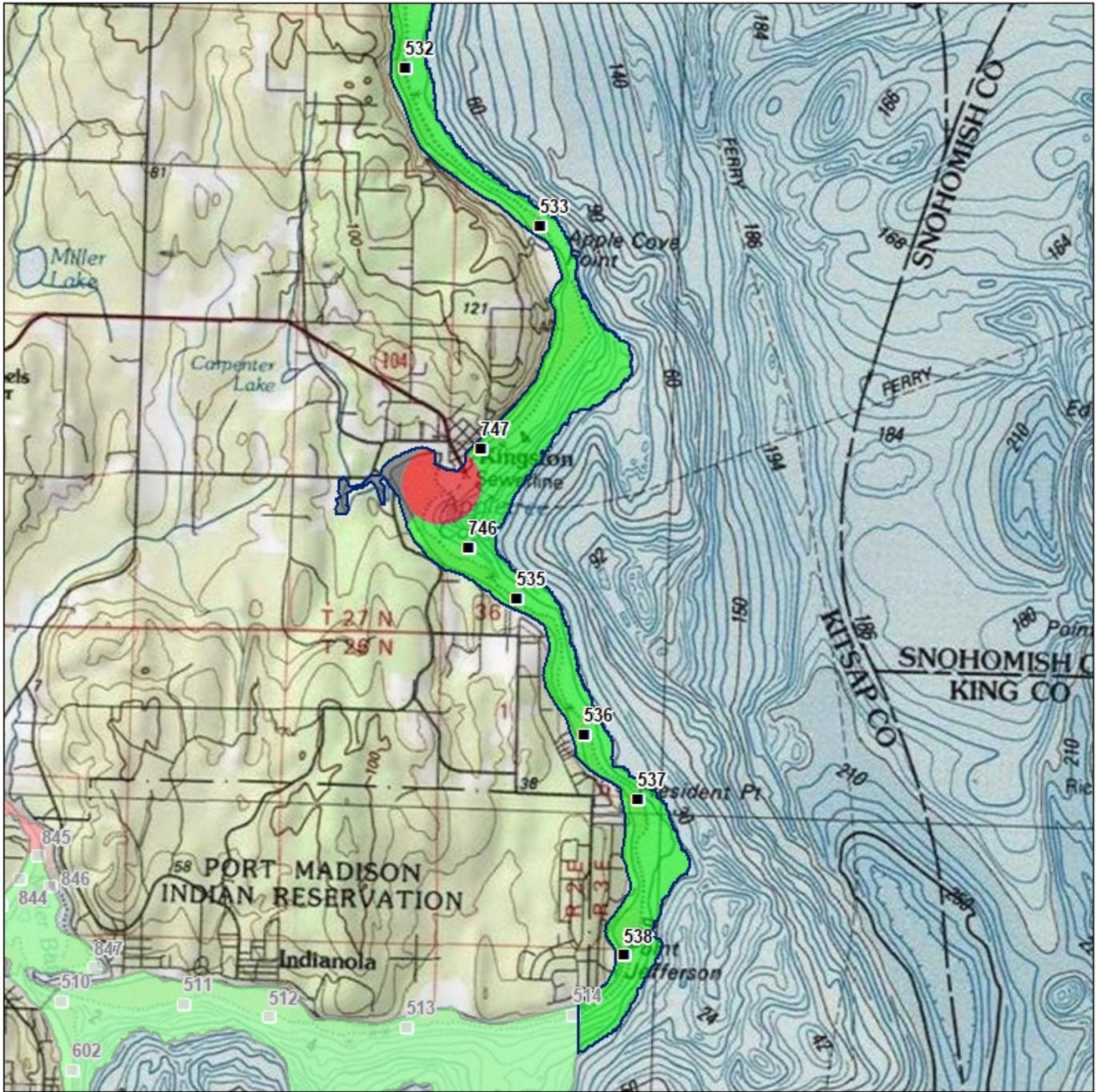
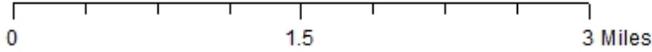
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Kingston Growing Area 2 of 2

Kingston (2 of 2)

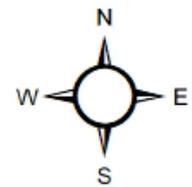


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Sampling Stations
■



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