

Nisqually Reach

Annual Shellfish Growing Area Review



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Area: Nisqually Reach

Year Ending: December 31, 2019

Classification: Approved, Prohibited

Activities in the Growing Area in 2019

The growing area was sampled a minimum of six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Shellfish Protection District continues to work in the uplands of the growing area. Thurston County Public Health and Social Services continues to implement their enhanced on-site septic system operation and maintenance program in the area, dye-testing shoreline on-site septic systems every six years.

Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. Station 876 has seven samples. This summary shows that all stations in the Approved area pass the NSSP water quality standard. Station 222 has a concerned status with an estimated 90th percentile of 21.3 FC/100mL.

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 Approved stations meet the NSSP water quality standard and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) Nisqually Reach 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
222	Approved	3/10/2015 - 11/7/2019	1.7 - 49.0	4.6	21.3	Y
223	Approved	2/25/2015 - 11/7/2019	1.7 - 33.0	3.4	10.7	Y
225	Approved	2/25/2015 - 11/7/2019	1.7 - 11.0	2.7	5.8	Y
227	Approved	2/25/2015 - 11/7/2019	1.7 - 11.0	2.0	3.6	Y
231	Approved	2/25/2015 - 11/7/2019	1.7 - 7.8	2.5	4.9	Y
233	Approved	12/1/2014 - 11/7/2019	1.7 - 6.8	1.8	2.5	Y
237	Approved	2/25/2015 - 11/7/2019	1.7 - 4.5	1.8	2.3	Y
240	Approved	3/10/2015 - 11/7/2019	1.7 - 7.8	2.0	3.3	Y
242	Approved	3/10/2015 - 11/7/2019	1.7 - 2.0	1.7	1.8	Y
243	Approved	2/25/2015 - 11/7/2019	1.7 - 7.8	2.0	3.1	Y
245	Approved	12/1/2014 - 11/7/2019	1.7 - 22.0	2.0	4.2	Y
246	Approved	2/25/2015 - 11/7/2019	1.7 - 130.0	4.2	19.7	Y
247	Approved	12/1/2014 - 11/7/2019	1.7 - 33.0	2.8	7.3	Y
248	Approved	2/25/2015 - 11/7/2019	1.7 - 11.0	2.4	4.8	Y
250	Approved	2/25/2015 - 11/7/2019	1.7 - 7.8	1.9	3.1	Y
251	Approved	2/25/2015 - 11/7/2019	1.7 - 4.5	1.8	2.5	Y
252	Approved	2/25/2015 - 11/7/2019	1.7 - 7.8	2.0	3.3	Y
253	Approved	2/25/2015 - 11/7/2019	1.7 - 11.0	2.5	5.2	Y
709	Approved	2/25/2015 - 11/7/2019	1.7 - 31.0	3.9	11.0	Y
759	Approved	2/25/2015 - 11/7/2019	1.7 - 11.0	2.6	5.5	Y
876	Approved	12/4/2018 - 11/7/2019	1.7 - 1.7	1.7	1.7	*N/A
224	Prohibited	2/25/2015 - 11/7/2019	1.7 - 49.0	4.6	14.9	Y
234	Prohibited	2/25/2015 - 11/7/2019	1.7 - 49.0	5.5	19.6	Y
235	Prohibited	2/25/2015 - 11/7/2019	2.0 - 220.0	15.5	57.8	N
249	Prohibited	3/10/2015 - 11/7/2019	1.7 - 13.0	2.1	3.8	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.

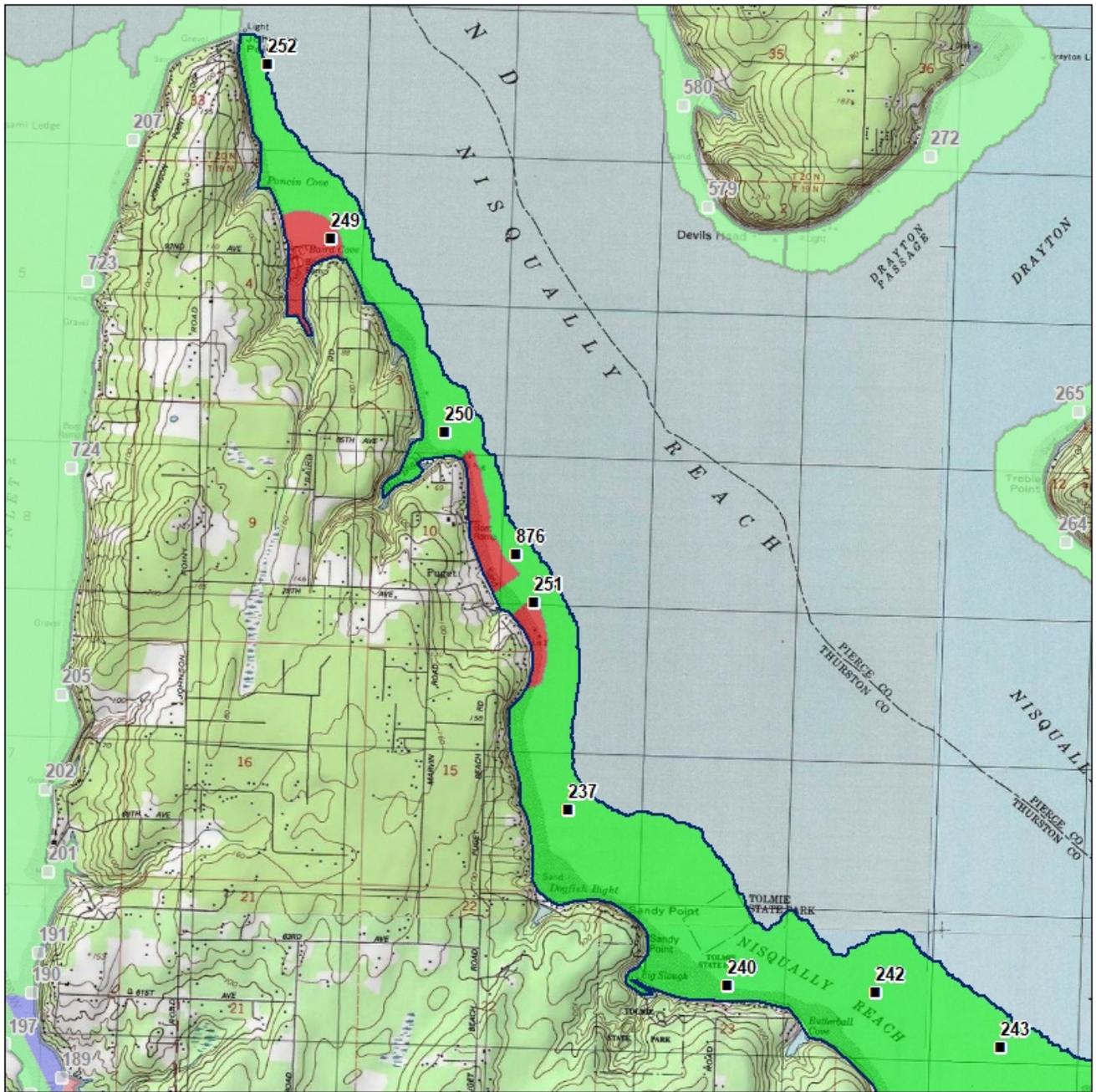
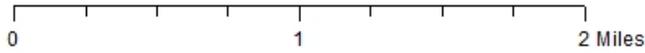
* N/A – SRS criteria require a minimum of 30 samples from each station.

MAP 1. Nisqually Reach Growing Area 1 of 2

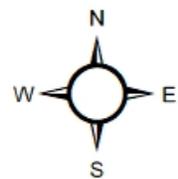
Nisqually Reach (1 of 2)



Date Updated: 10/25/2018



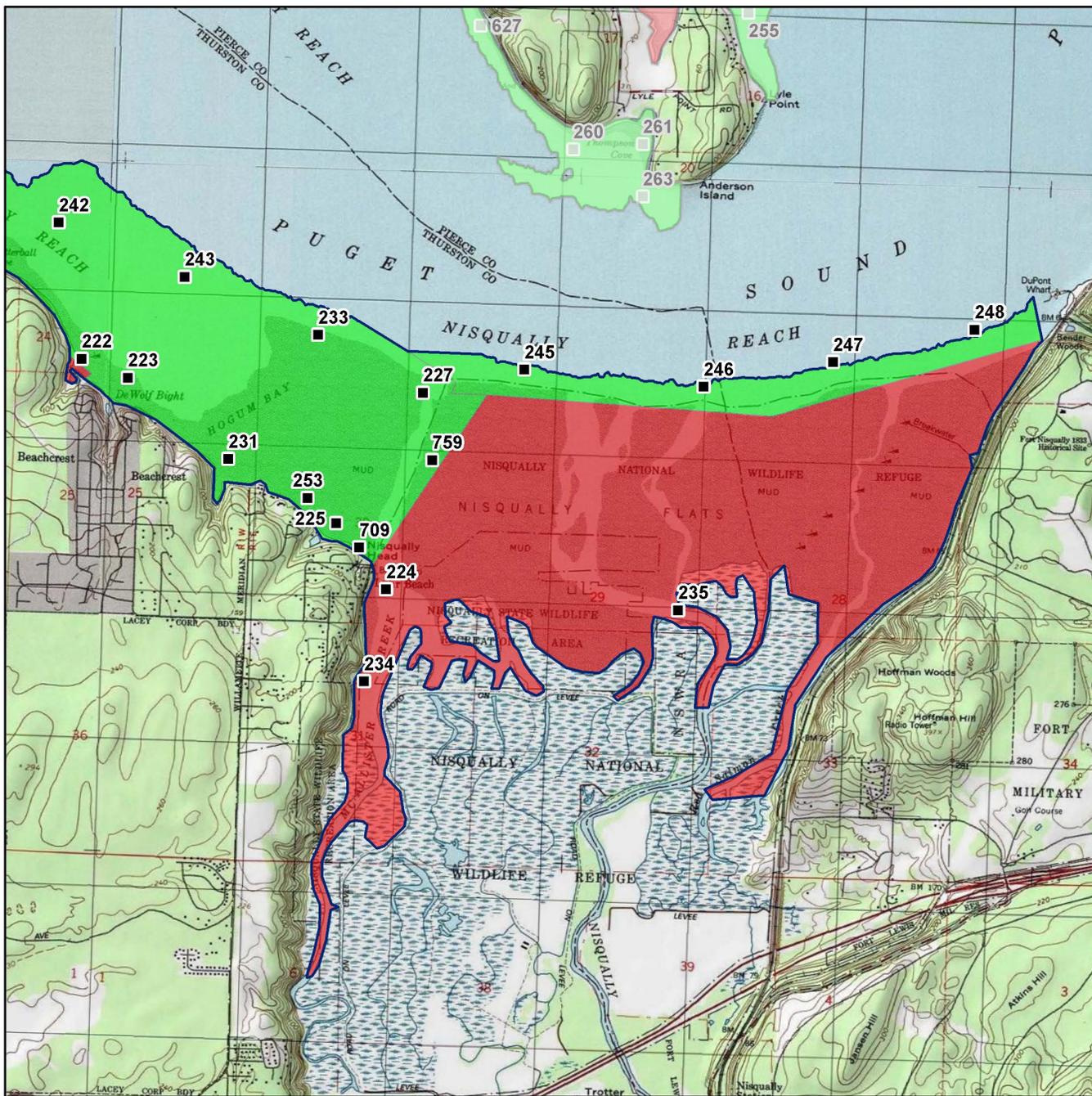
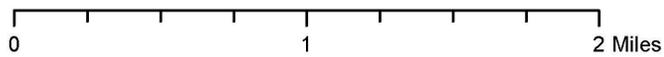
Classification	Sampling Stations
Approved	Sampling Station
Conditional	
Prohibited	
Restricted	
Unclassified	



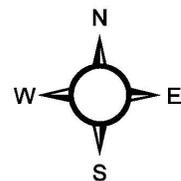
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Nisqually Reach Growing Area 2 of 2

Nisqually Reach (2 of 2)



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



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