

Saratoga Passage

Annual Shellfish Growing Area Review



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Area: Saratoga Passage

Year Ending: December 31, 2019

Classification: Approved, Prohibited

Activities in the Growing Area in 2019

The growing area was sampled in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria, consisting of a minimum of two samples collected for Inactive stations (135, 137, 139 – 141, 147 – 154, 156 – 158, 276, 277, 289, 330) and a minimum of six samples collected for Active stations (133, 159 – 161, 359, 360, 274, 275, 241, 242). The following are recreational beach stations: 133, 140, 141, 148 – 150, 153, 154, 156, 158, 161, 359 and 360. All Inactive stations will be reactivated no later than April 2022.

An evaluation of the newly constructed Oak Harbor Clean Water Facility (CWF) was completed. Due to the new facility and outfall, a detailed shellfish closure zone analysis be conducted in 2020.

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.

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 meet the NSSP water quality standard for an Approved classification and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) Saratoga Passage 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
133	Approved	2/2/2015 - 12/9/2019	1.7 - 33.0	2.4	6.1	Y
135	Approved	12/10/2012 - 10/21/2019	1.7 - 13.0	1.9	3.0	Y
137	Approved	2/5/2013 - 10/21/2019	1.7 - 23.0	2.0	4.2	Y
139	Approved	12/10/2012 - 10/21/2019	1.7 - 2.0	1.7	1.8	Y
140	Approved	2/2/2015 - 12/9/2019	1.7 - 4.5	1.8	2.5	Y
141	Approved	2/2/2015 - 12/9/2019	1.7 - 23.0	2.0	3.7	Y
147	Approved	5/7/2013 - 11/25/2019	1.7 - 2.0	1.8	1.9	Y
148	Approved	3/19/2015 - 11/25/2019	1.7 - 4.0	1.8	2.2	Y
149	Approved	3/19/2015 - 11/25/2019	1.7 - 4.8	1.8	2.5	Y
150	Approved	3/19/2015 - 11/25/2019	1.7 - 6.8	1.9	3.0	Y
151	Approved	3/7/2013 - 11/25/2019	1.7 - 4.5	1.8	2.5	Y
152	Approved	3/7/2013 - 11/25/2019	1.7 - 4.5	1.8	2.3	Y
153	Approved	3/19/2015 - 11/25/2019	1.7 - 23.0	2.0	3.9	Y
154	Approved	3/19/2015 - 11/25/2019	1.7 - 13.0	2.0	3.7	Y
156	Approved	1/28/2015 - 11/25/2019	1.7 - 4.5	1.8	2.5	Y
157	Approved	12/10/2012 - 10/21/2019	1.7 - 2.0	1.8	1.9	Y
158	Approved	9/2/2014 - 12/9/2019	1.7 - 4.5	1.9	2.5	Y
159	Approved	6/8/2015 - 12/9/2019	1.7 - 17.0	2.1	4.1	Y
160	Approved	4/1/2015 - 12/9/2019	1.7 - 4.5	1.9	2.5	Y
241	Approved	3/19/2015 - 11/25/2019	1.7 - 6.8	2.1	3.7	Y
274	Approved	3/19/2015 - 11/25/2019	1.7 - 6.1	1.9	2.8	Y
275	Approved	3/19/2015 - 11/25/2019	1.7 - 4.5	1.8	2.2	Y
276	Approved	3/7/2013 - 11/25/2019	1.7 - 4.5	1.8	2.3	Y
277	Approved	3/7/2013 - 11/25/2019	1.7 - 7.8	1.9	2.8	Y
289	Approved	2/5/2013 - 10/21/2019	1.7 - 4.5	1.8	2.2	Y
359	Approved	11/17/2014 - 12/9/2019	1.7 - 23.0	2.5	7.0	Y
360	Approved	2/2/2015 - 12/9/2019	1.7 - 17.0	2.2	5.3	Y
242	Prohibited	3/19/2015 - 11/25/2019	1.7 - 33.0	2.3	6.6	Y
330	Prohibited	5/7/2013 - 11/25/2019	1.7 - 4.5	1.8	2.3	Y
161	Unclassified	11/17/2014 - 12/9/2019	1.7 - 23.0	2.1	4.6	Y

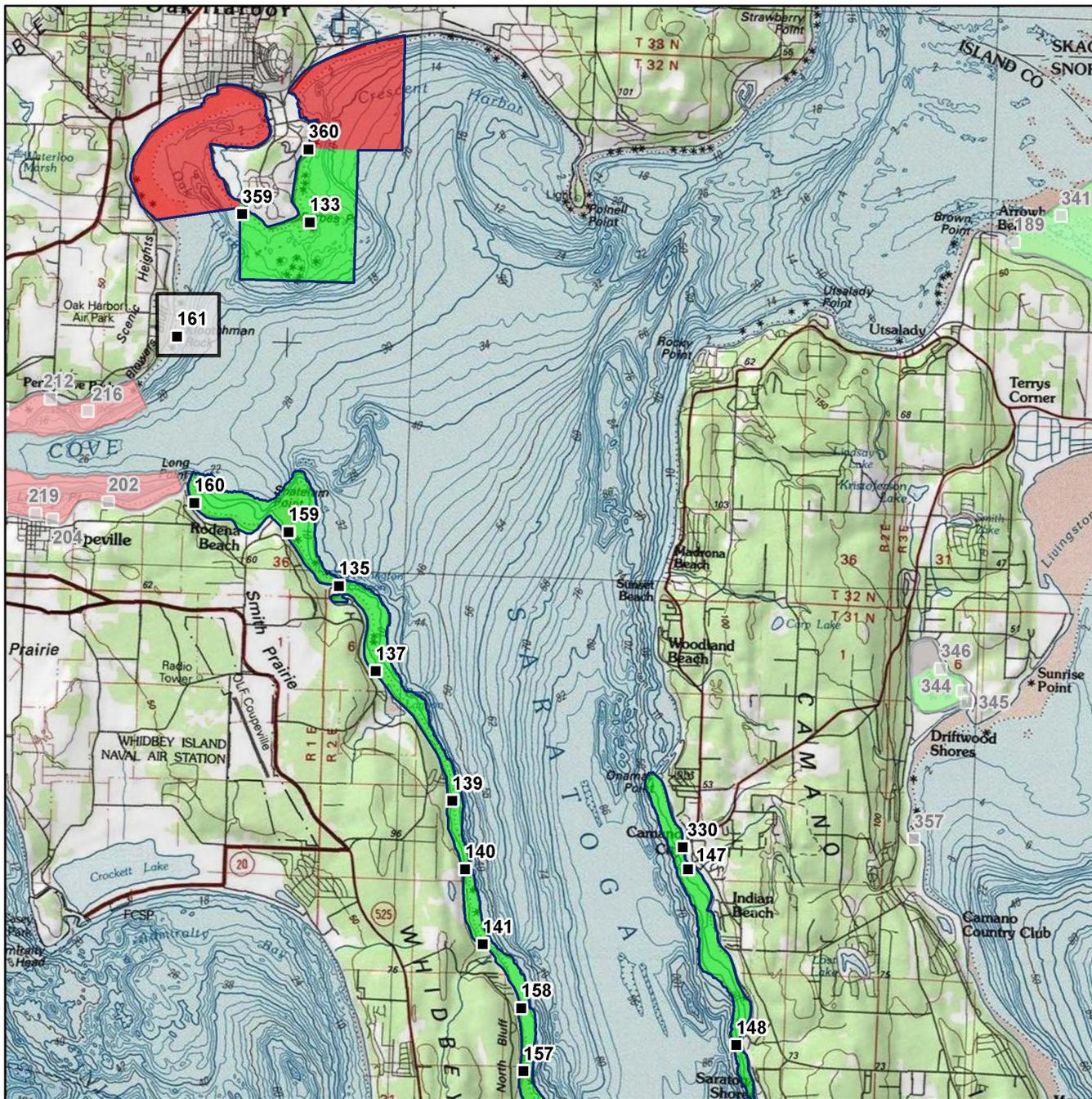
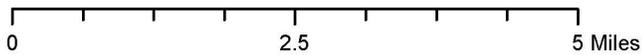
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Saratoga Passage Growing Area 1 of 2

Saratoga Pass (1 of 2)

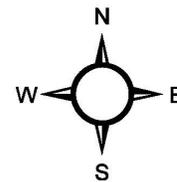


Date Updated: 7/11/2018



Classification Sampling Stations

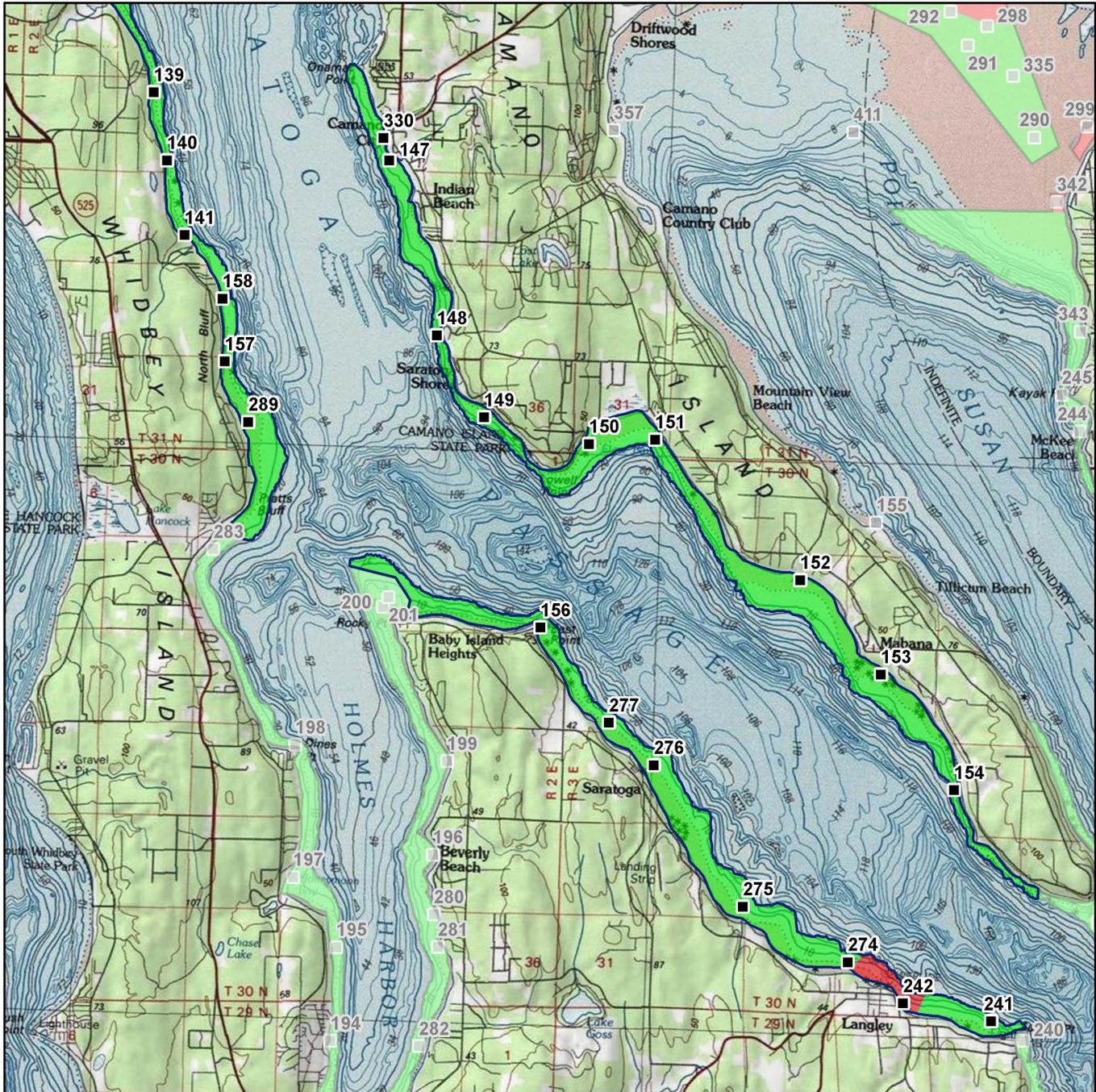
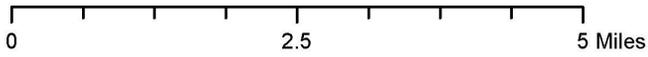
- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified



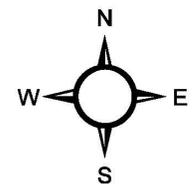
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Saratoga Passage Growing Area 2 of 2

Saratoga Pass (2 of 2)



Classification	Sampling Stations
■ Approved	■
■ Conditional	
■ Prohibited	
■ Restricted	
■ Unclassified	



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