

Upright Channel

Annual Shellfish Growing Area Review



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Area: Upright Channel

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.

San Juan County Environmental Health received National Estuary Program grant funding to conduct enhanced O&M and a shoreline evaluation of Squaw Bay. San Juan Island Conservation District received National Estuary Program grant funding to conduct water quality monitoring, and provided agriculture technical assistance and BMPs.

Analytical Results of Water Samples

Table 1 summarizes results of the last 30 most recent samples collected from the area. This summary shows that all stations meet the NSSP water quality standard. Station 100 has 22 samples.

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 standards for an Approved classification and the area is correctly classified.

TABLE 1. Summary of Marine Water Data (SRS) Upright Channel 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
36	Approved	1/13/2015 - 11/20/2019	1.7 - 13.0	1.9	3.0	Y
37	Approved	1/13/2015 - 11/20/2019	1.7 - 4.5	1.8	2.2	Y
38	Approved	1/13/2015 - 11/20/2019	1.7 - 2.0	1.8	1.9	Y
39	Approved	1/13/2015 - 11/20/2019	1.7 - 17.0	1.9	3.2	Y
40	Approved	3/17/2015 - 11/20/2019	1.7 - 2.0	1.7	1.8	Y
41	Approved	1/13/2015 - 11/20/2019	1.7 - 2.0	1.7	1.9	Y
42	Approved	1/13/2015 - 11/20/2019	1.7 - 33.0	1.9	3.8	Y
92	Approved	12/16/2014 - 11/20/2019	1.7 - 49.0	4.7	19.8	Y
94	Approved	1/13/2015 - 11/20/2019	1.7 - 23.0	1.9	3.4	Y
95	Approved	1/13/2015 - 11/20/2019	1.7 - 2.0	1.7	1.8	Y
93	Unclassified	1/13/2015 - 11/20/2019	1.7 - 4.5	1.8	2.3	Y
100	Unclassified	6/29/2016 - 11/20/2019	1.7 - 4.5	1.8	2.4	*N/A

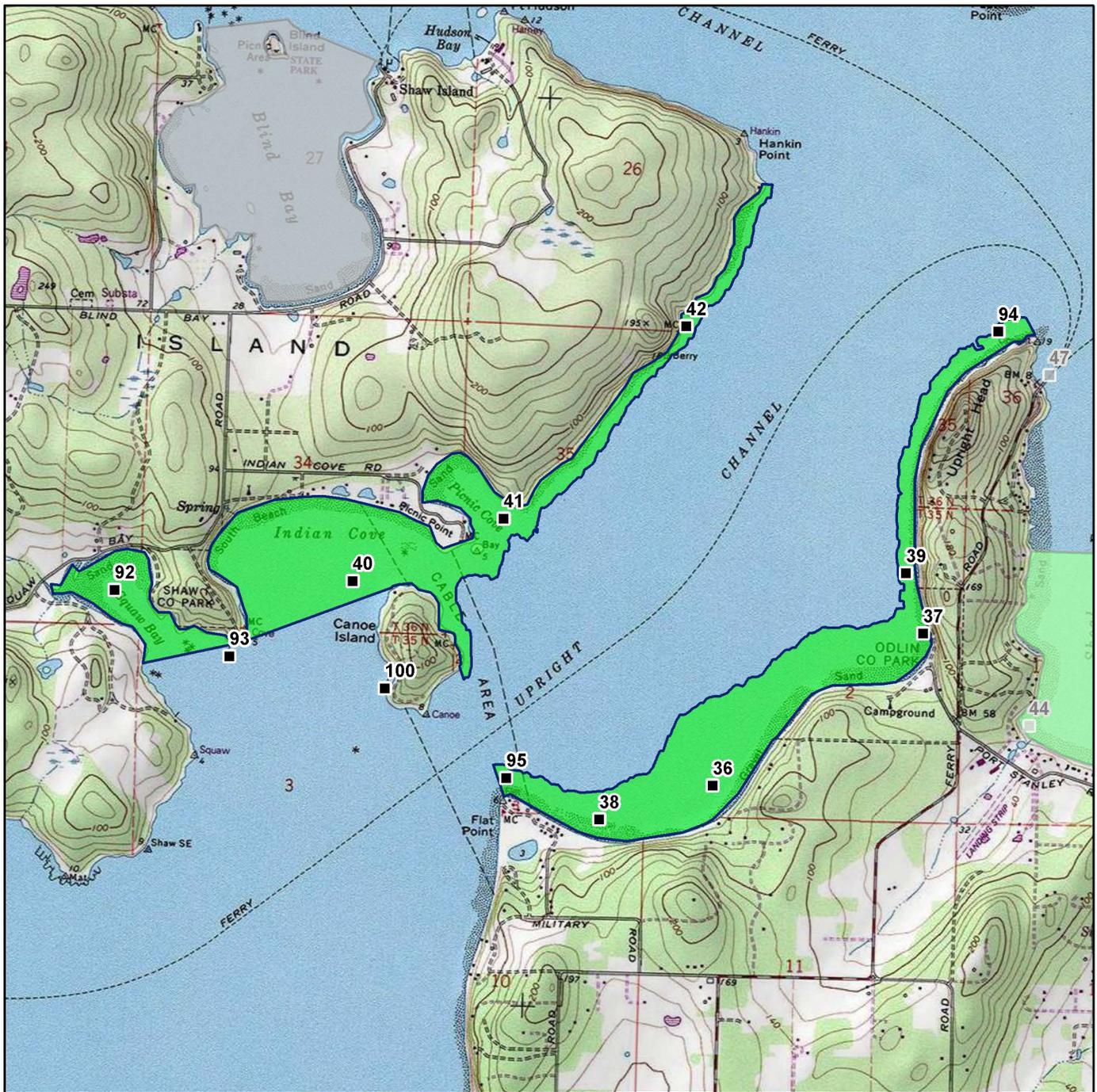
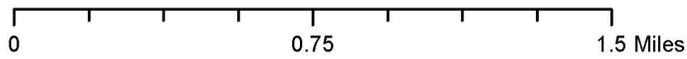
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

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

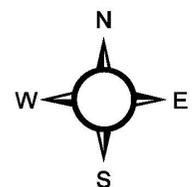
MAP 1. Upright Channel Growing Area



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.