

Hood Canal 1

Annual Shellfish Growing Area Review



Prepared By: Fiona Dahl

Area: Hood Canal 1

Year Ending: December 31, 2024

Classification: Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. During February, the following upgrades and growing area changes were made:

- One acre of the Prohibited area around the mouth of Kinman Creek along the eastern shoreline was reclassified to Approved based on improved water quality in shoreline drainages, and pollution identification and correction (PIC) activities in the Kinman Creek watershed.
- Parcel closures associated with shoreline drainages 043, 044, and 094 along the southeast shoreline were lifted due to reduced bacteria levels, PIC activities, and no known Direct or Indirect impacts: parcels 282701-4-005-2009, 282701-4-004-2000 and 282701-4-093-2002, 282701-4-066-2005, 282701-4-039-2009, 282701-4-031-2007, 282701-4-079-2000, 282701-4-078-2001, 052601-1-001-2007, 052601-1-037-2005, and 052601-1-026-2008.
- Temporary closure areas were created around two drainage sites in 2024 based on pollution source investigations completed in 2023: site PB042 in Paradise Bay, including parcels 984000109, 984000110, 984000112, 984000113, 984000114, and 984000115, and around site SH011 in Squamish Harbor, including parcels 930700015, 821334007, 821334011, and 821334005 based on elevated bacteria levels and Indirect Impacts from nonpoint pollution sources.

JCPH and KPHD received National Estuary Program funds for continued PIC activities, on-site sewage system operation and maintenance (O&M) rebates, and a cost-share and grant program for septic system repair, replacement, and decommissioning/abatement. In addition, JCPH received Centennial Clean Water grant funding for PIC activities and enhanced O&M in the growing area.

Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. This summary shows that all stations pass the NSSP water quality standard. Marine stations 324, 325, 326, 327, and 328 only have six to seven samples. These stations were added in the unclassified area north of Coon Bay to the terminus of the Kitsap Peninsula due to a tribal harvest request for geoduck tracts 19550, 19600, 19650, 19700 and 19750.

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 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) for the Hood Canal 1 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
16	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
17	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
18	Approved	1/30/2020 - 11/7/2024	1.7 - 4.0	1.8	2.2	Y
19	Approved	1/30/2020 - 11/7/2024	1.7 - 1.7	1.7	1.7	Y
20	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
21	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
22	Approved	1/30/2020 - 11/7/2024	1.7 - 240.0	2.3	8.9	Y
23	Approved	1/30/2020 - 11/7/2024	1.7 - 1.7	1.7	1.7	Y
25	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
26	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.9	Y
27	Approved	1/30/2020 - 11/7/2024	1.7 - 4.5	1.8	2.2	Y
28	Approved	1/30/2020 - 11/7/2024	1.7 - 1.7	1.7	1.7	Y
29	Approved	1/30/2020 - 11/7/2024	1.7 - 23.0	1.9	3.5	Y
30	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
31	Approved	1/30/2020 - 11/7/2024	1.7 - 4.5	1.8	2.2	Y
32	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
33	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
34	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
35	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.9	Y
36	Approved	1/30/2020 - 11/7/2024	1.7 - 130.0	2.5	10.5	Y
37	Approved	1/30/2020 - 11/7/2024	1.7 - 23.0	2.1	5	Y
38	Approved	1/30/2020 - 11/7/2024	1.7 - 350.0	2.1	7.5	Y
39	Approved	1/30/2020 - 11/7/2024	1.7 - 6.8	1.9	3.2	Y
40	Approved	1/30/2020 - 11/7/2024	1.7 - 240.0	2.4	8.9	Y

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
41	Approved	1/30/2020 - 11/7/2024	1.7 - 13.0	1.8	2.9	Y
43	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
44	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
45	Approved	12/19/2019 - 11/7/2024	1.7 - 4.5	1.8	2.2	Y
48	Approved	1/30/2020 - 11/7/2024	1.7 - 4.5	1.8	2.3	Y
49	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
50	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
52	Approved	1/30/2020 - 11/7/2024	1.7 - 79.0	2.0	5	Y
53	Approved	1/30/2020 - 11/7/2024	1.7 - 17.0	1.8	3.1	Y
54	Approved	1/30/2020 - 11/7/2024	1.7 - 2.0	1.7	1.8	Y
288	Approved	1/30/2020 - 11/7/2024	1.7 - 27.0	1.9	3.6	Y
304	Approved	1/30/2020 - 11/7/2024	1.7 - 13.0	2.1	4.1	Y
306	Approved	1/30/2020 - 11/7/2024	1.7 - 79.0	2.0	4.9	Y
24	Prohibited	12/19/2019 - 11/7/2024	1.7 - 4.5	1.8	2.2	Y
305	Prohibited	1/30/2020 - 11/7/2024	1.7 - 7.8	2.1	3.6	Y
51	Unclassified	1/30/2020 - 11/7/2024	1.7 - 4.5	1.8	2.3	Y
324	Unclassified	12/19/2023 - 11/7/2024	1.7 - 2.0	1.7	1.9	*N/A
325	Unclassified	12/19/2023 - 11/7/2024	1.7 - 2.0	1.7	1.9	*N/A
326	Unclassified	12/19/2023 - 11/7/2024	1.7 - 2.0	1.7	1.9	*N/A
327	Unclassified	12/19/2023 - 11/7/2024	1.7 - 2.0	1.7	1.9	*N/A
328	Unclassified	1/16/2024 - 11/7/2024	1.7 - 1.7	1.7	1.7	*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.

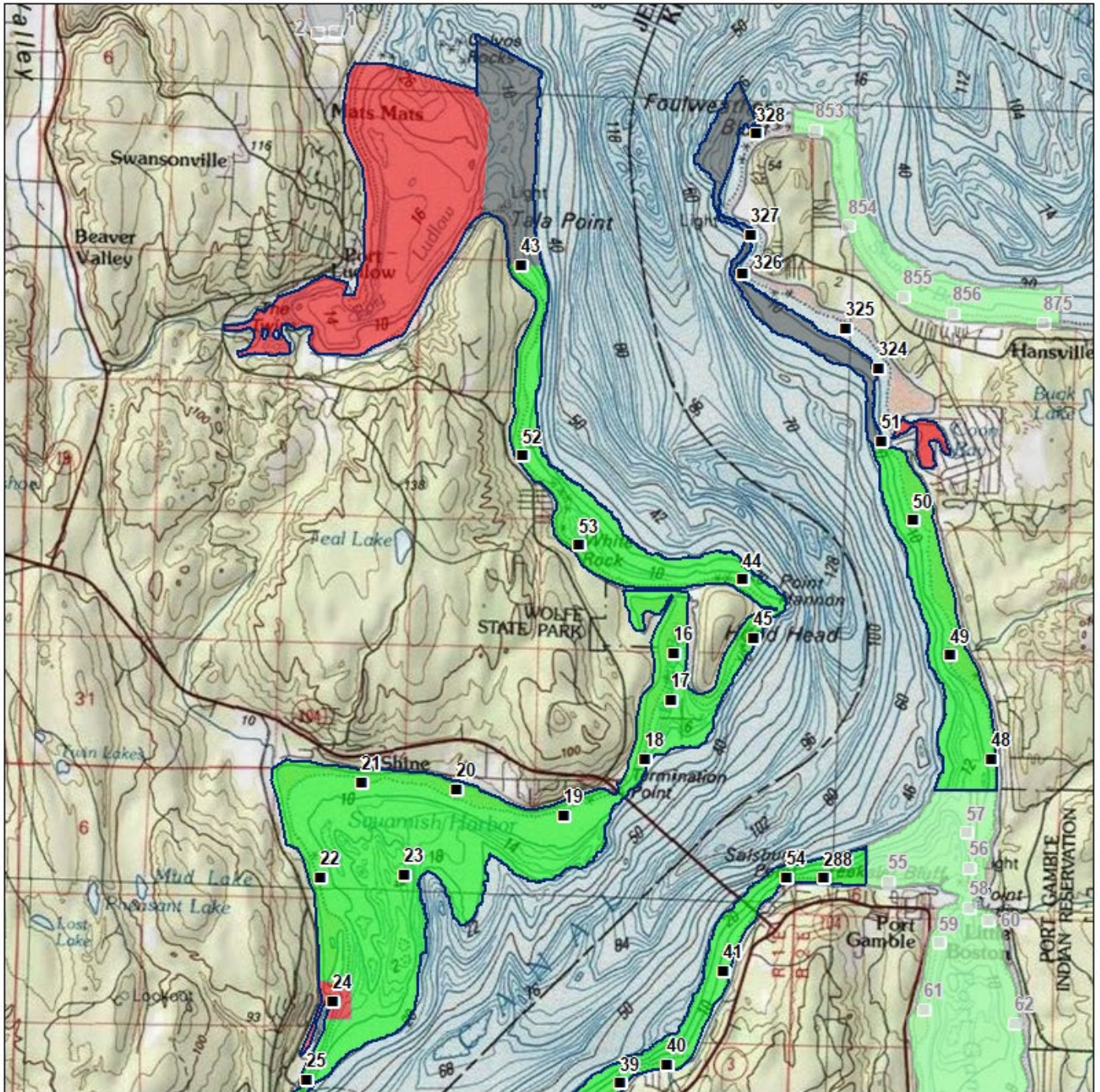
*N/A – SRS criteria require a minimum of 30 samples from each station.

MAP 1. Hood Canal 1 Growing Area (1 of 3)

Hood Canal #1 (1 of 3)

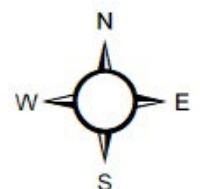


Date Updated: 3/20/2024



Classification	
■	Approved
■	Conditional
■	Prohibited
■	Restricted
■	Unclassified

Sampling Stations



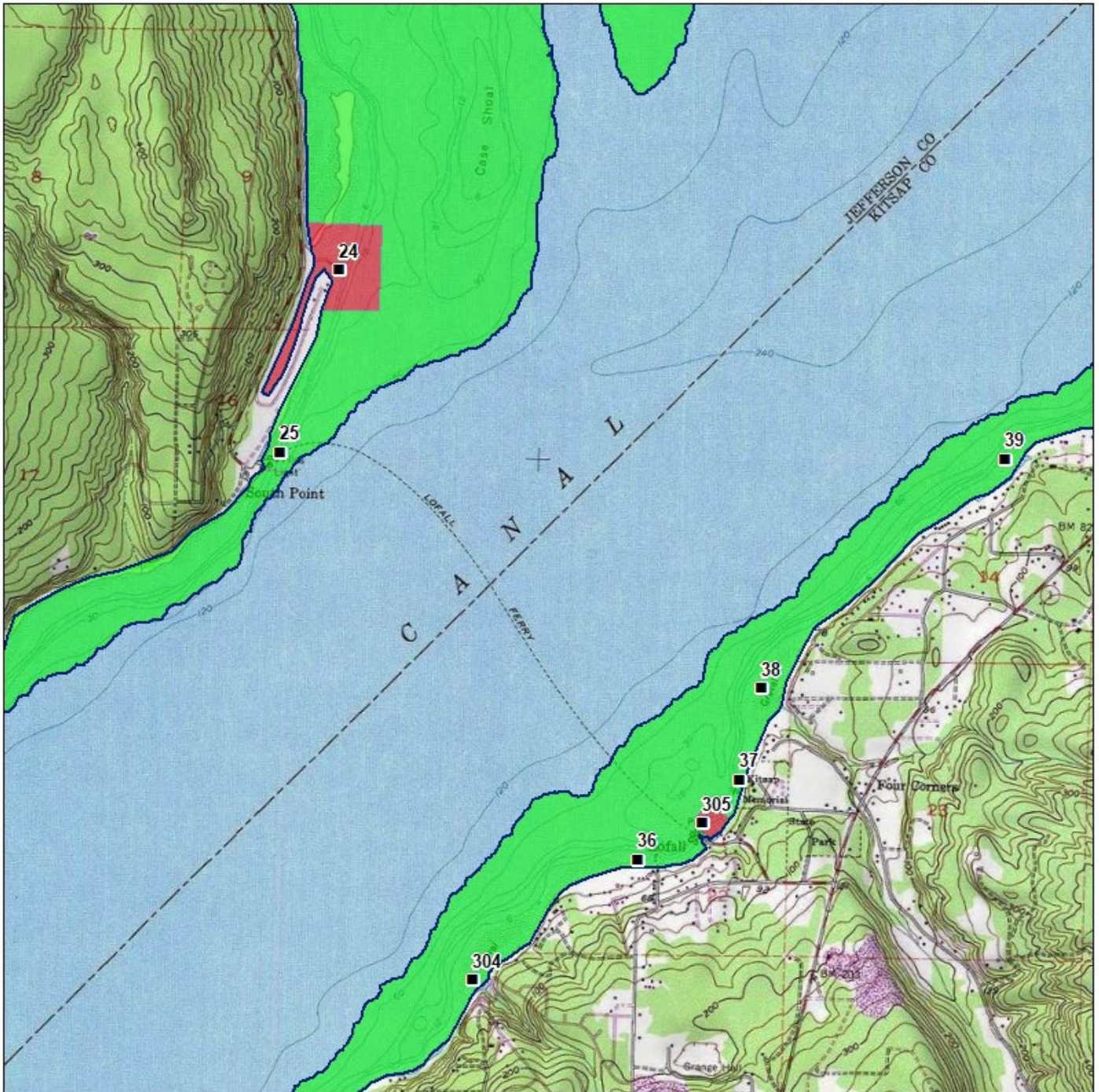
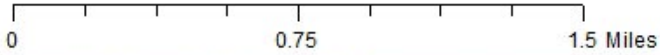
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Hood Canal 1 Growing Area (2 of 3)

Hood Canal #1 (2 of 3)

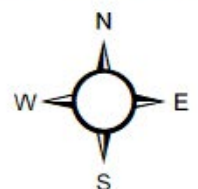


Date Updated: 2/9/2024



Classification	
■	Approved
■	Conditional
■	Prohibited
■	Restricted
■	Unclassified

Sampling Stations



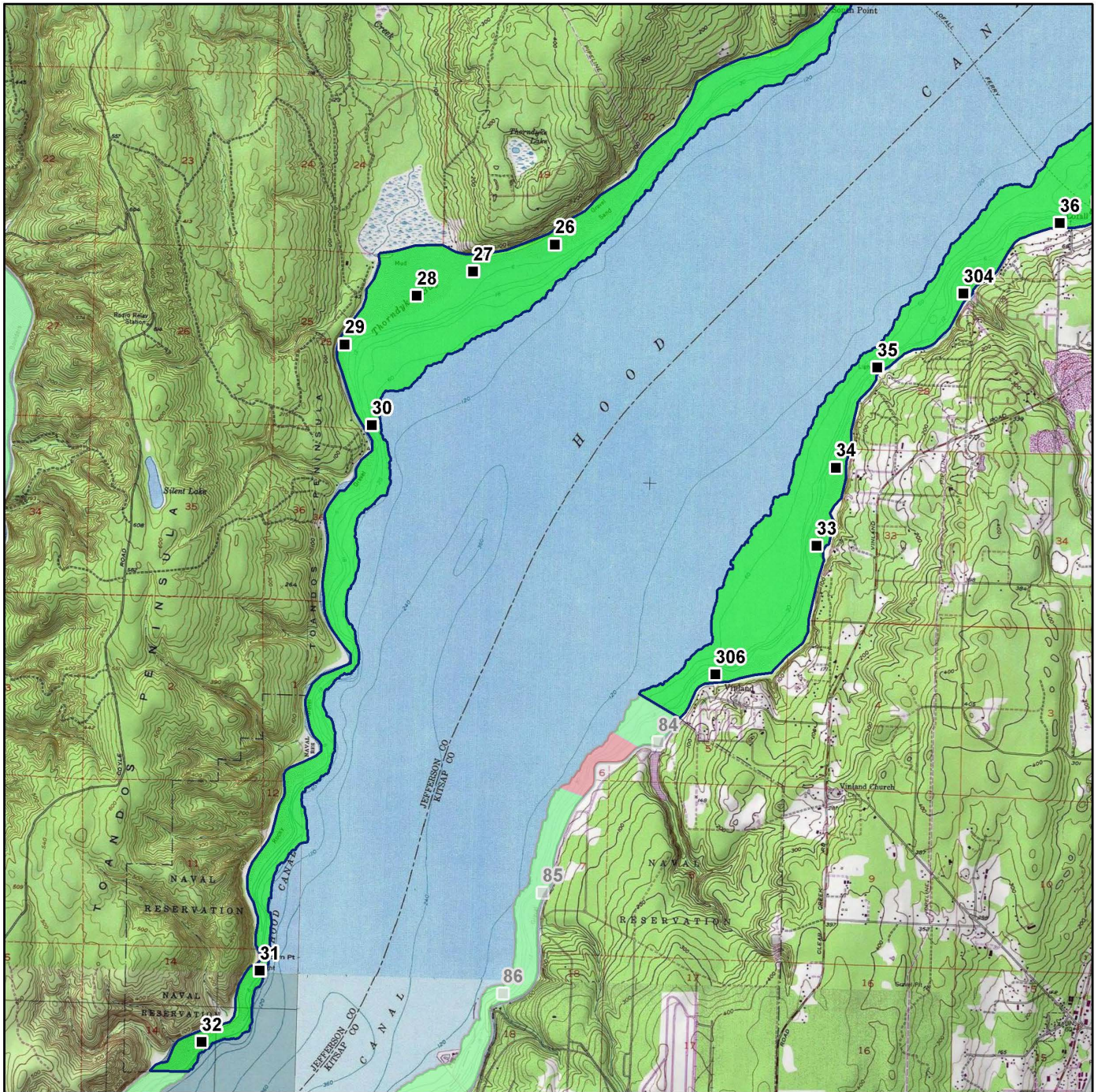
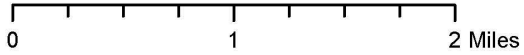
* Some sampling stations are highlighted with grey box for ease of reading.

MAP 3. Hood Canal 1 Growing Area (3 of 3)

Hood Canal #1 (3 of 3)

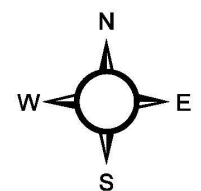


Date Updated: 7/11/2018



Classification	
	Approved
	Conditional
	Prohibited
	Restricted
	Unclassified

Sampling Stations



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