

Padilla Bay

Annual Shellfish Growing Area Review



Prepared By: Michael Friese

Area: Padilla Bay

Year Ending: December 31, 2021

Classification: Approved, Prohibited

Activities in the Growing Area in 2021

Station 324 was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Station 323 was only sampled five times due to a broken bottle in February.

Skagit County received National Estuary Program (NEP) funds to complete pollution identification and correction work, perform a human and agricultural tracer and social marketing study, and to enhance their septic operations and maintenance program. Washington State Department of Agriculture (WSDA) and Washington State Department of Ecology (Ecology) received NEP funding for enhanced water compliance monitoring and referral and technical assistance, with WSDA focusing on dairies and Ecology addressing nonpoint pollution stemming from nondairy agriculture. Washington State University Extension and the Skagit Conservation District provided education and outreach resources and technical assistance to agricultural landowners.

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 meet the 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) for the Padilla Bay 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
323	Approved	10/20/2016 - 12/21/2021	1.7 - 33.0	2.4	7.1	Y
324	Approved	2/7/2017 - 12/21/2021	1.7 - 23.0	2.5	6.3	Y

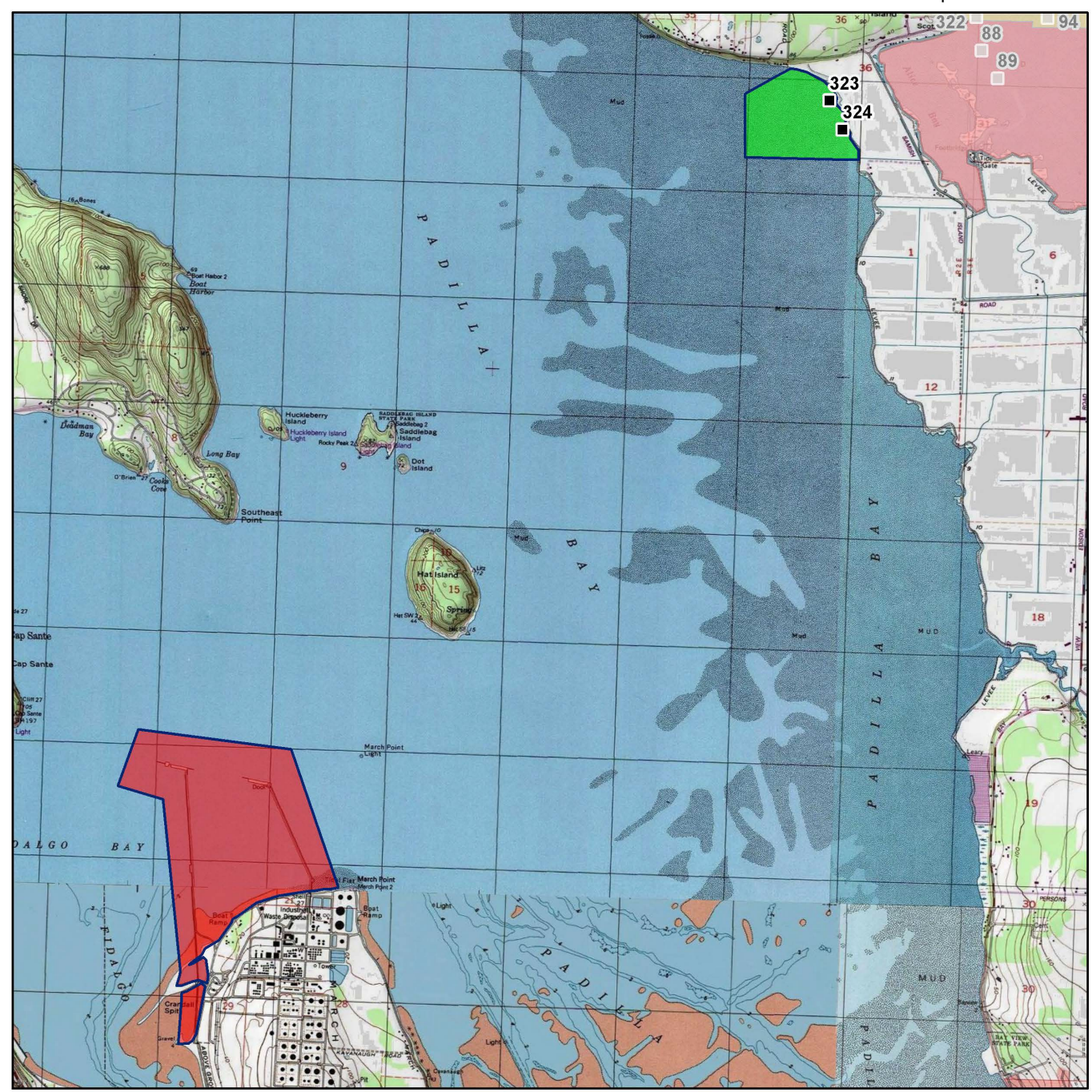
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.






MAP 1. Padilla Bay Growing Area

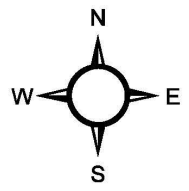
 Padilla Bay




 Washington State Department of
Health
 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.