

Hood Canal 9

Annual Shellfish Growing Area Review



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Area: Hood Canal 9

Year Ending: December 31, 2019

Classification: Approved, Prohibited

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. The area was closed for seven days on an emergency basis due to excessive rainfall (3.64 inches of rain in 24 hours at the Rocky Creek rain gauge). Mason County Public Health is receiving EPA National Estuary Program funds to implement a regional pollution identification and correction program along Hood Canal.

Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 samples collected from each marine water station. This summary shows that all stations pass the NSSP water quality standard. Station 268 is in "Concerned" status with an estimated 90th percentile of 24.3 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 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) Hood Canal 9 Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

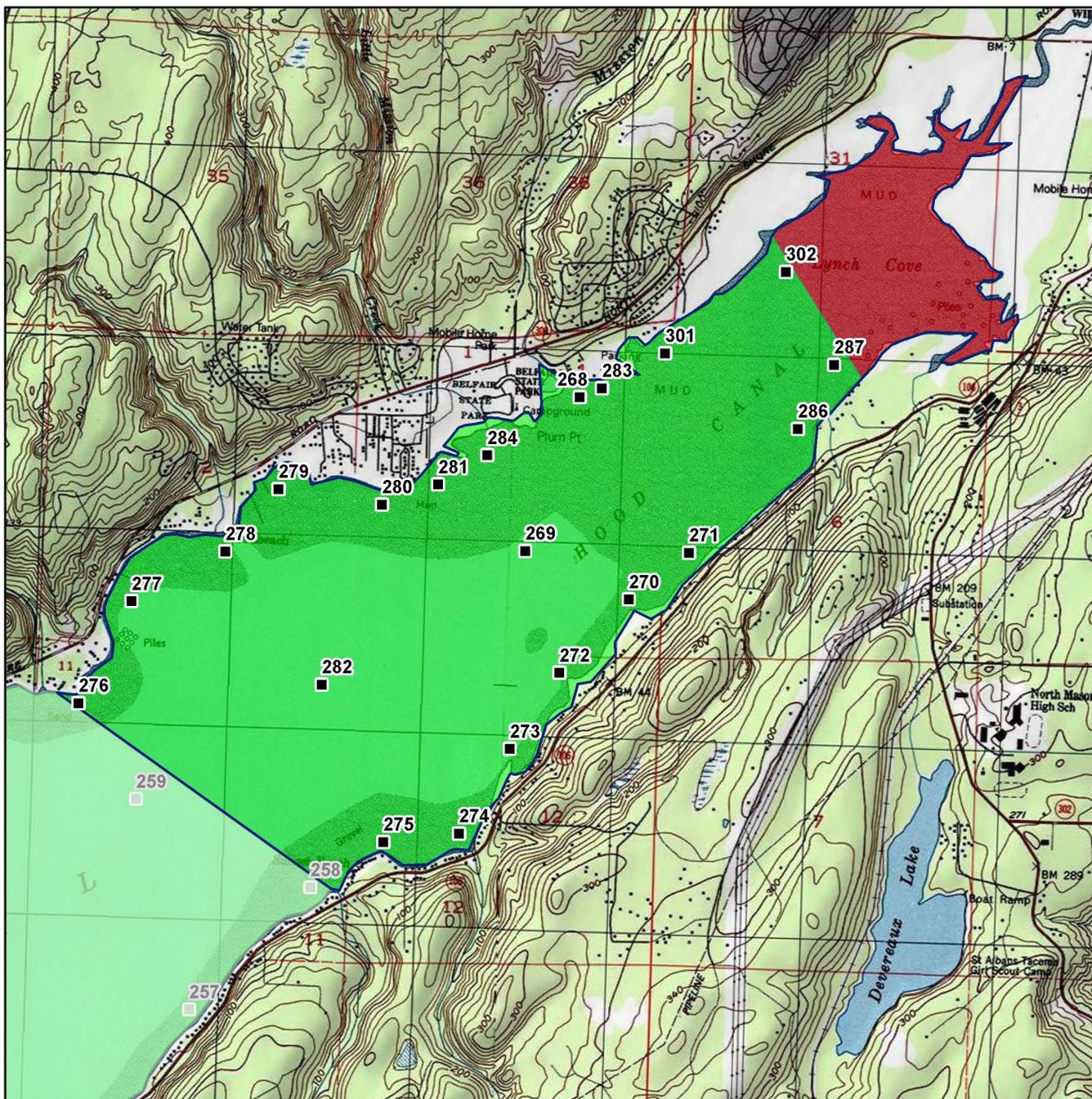
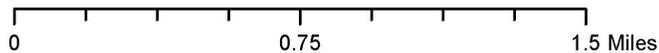
Tides Included: All

| Station Number | Classification | Date Range | Range (FC/100mL) | Geomean (FC/100mL) | Est. 90 th Percentile (FC/100mL) | Meets Standard |
|----------------|----------------|-----------------------|------------------|--------------------|---|----------------|
| 268 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 130.0 | 4.5 | 24.3 | Y |
| 269 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 43.0 | 3.3 | 11.2 | Y |
| 270 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 49.0 | 2.9 | 8.9 | Y |
| 271 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 130.0 | 3.0 | 11.6 | Y |
| 272 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 33.0 | 2.6 | 7.2 | Y |
| 273 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 33.0 | 2.6 | 7.1 | Y |
| 274 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 33.0 | 2.4 | 6.6 | Y |
| 275 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 70.0 | 3.3 | 15.0 | Y |
| 276 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 70.0 | 3.3 | 11.9 | Y |
| 277 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 49.0 | 3.0 | 9.2 | Y |
| 278 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 70.0 | 3.2 | 10.0 | Y |
| 279 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 130.0 | 3.2 | 13.0 | Y |
| 280 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 79.0 | 2.9 | 9.4 | Y |
| 281 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 49.0 | 2.9 | 9.3 | Y |
| 282 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 130.0 | 2.6 | 8.2 | Y |
| 283 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 79.0 | 4.3 | 19.4 | Y |
| 284 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 79.0 | 3.4 | 10.4 | Y |
| 286 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 220.0 | 3.8 | 17.0 | Y |
| 287 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 110.0 | 3.3 | 13.2 | Y |
| 301 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 33.0 | 3.8 | 13.3 | Y |
| 302 | Approved | 2/11/2015 - 12/9/2019 | 1.7 - 46.0 | 4.0 | 13.1 | Y |

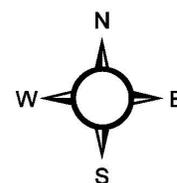
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Hood Canal 9 Growing Area

 Hood Canal #9



| Classification | Sampling Stations |
|--|---|
|  Approved |  |
|  Conditional | |
|  Prohibited | |
|  Restricted | |
|  Unclassified | |



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