

Mystery Bay

Annual Shellfish Growing Area Review



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Area: Mystery Bay

Year Ending: December 31, 2021

Classification: Approved, Conditionally Approved

Activities in the Growing Area in 2021

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. Marine Water Station 31, in the Conditionally Approved area, was sampled three times in Open status. The Conditionally Approved area was closed from May 1 through September 30 due to boating activities. An evaluation of the Mystery Bay marina was completed in August and no changes to the classification was needed. A routine shoreline survey was conducted, and no Direct or Indirect Impacts were identified.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from each of the sampling stations. All stations meet the NSSP criteria.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating the area has any 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.

Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management planYes
2. Has reporting been adequate to manage the conditional area.....Yes
3. Does the area consistently meet approved area criteria when it is open for harvest Yes
4. Has a field inspection of critical pollution sources been conducted Yes

TABLE 1. Summary of Marine Water Data (SRS) for the Mystery Bay Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

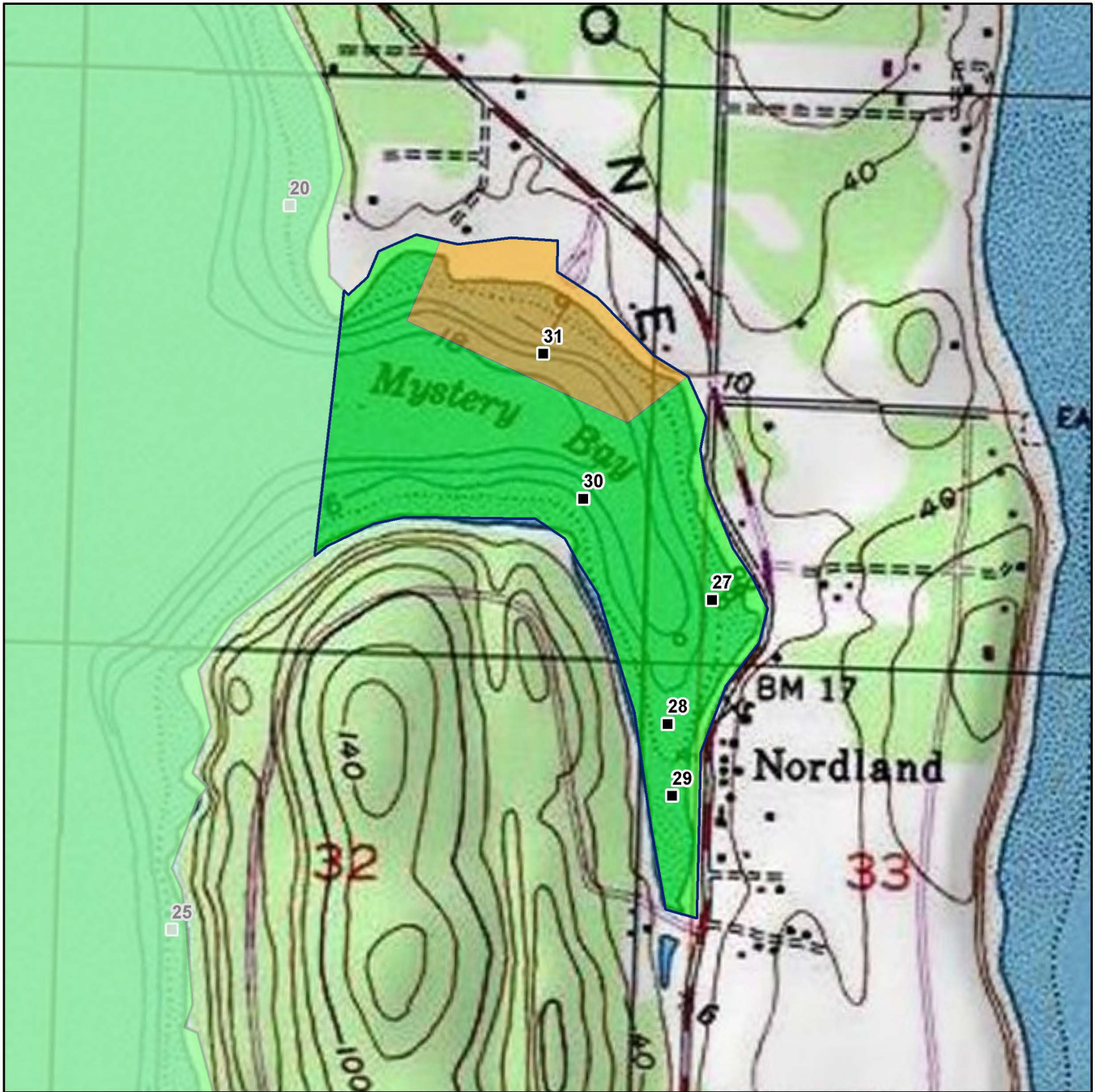
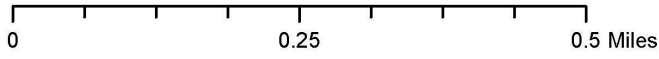
| Station Number | Classification | Date Range | Range (FC/100mL) | Geomean (FC/100mL) | Est. 90 th Percentile (FC/100mL) | Meets Standard |
|----------------|------------------------|-----------------------|------------------|--------------------|---|----------------|
| 27 | Approved | 1/12/2017 - 11/8/2021 | 1.7 - 13.0 | 2.2 | 4.4 | Y |
| 28 | Approved | 1/12/2017 - 11/8/2021 | 1.7 - 33.0 | 2.3 | 6.6 | Y |
| 29 | Approved | 1/12/2017 - 11/8/2021 | 1.7 - 94.0 | 2.9 | 11.3 | Y |
| 30 | Approved | 1/12/2017 - 11/8/2021 | 1.7 - 46.0 | 2.6 | 7.2 | Y |
| 31 | Conditionally Approved | 1/12/2017 - 11/8/2021 | 1.7 - 33.0 | 2.3 | 6.5 | Y |

The standard for Approved shellfish growing waters is a 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.

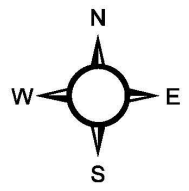
MAP 1. Mystery Bay Growing Area

 **Mystery Bay**

 **Health**
 Washington State Department of
 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.