

# Mystery Bay

## Annual Shellfish Growing Area Review



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Area: Mystery Bay

Year Ending: December 31, 2023

Classification: Approved, Conditionally Approved

### Activities in the Growing Area in 2023

The growing area was sampled seven times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. The Conditionally Approved area was sampled four times during the open period. Increased sampling frequency was to make up for 2022 when only 5 samples were collected.

The Conditionally Approved area was closed May 1 through September 30 due to boating activity. An annual Conditionally Approved Area Management Plan (CAAMP) evaluation of the Mystery Bay State Park Marina and moorage area was completed and no changes to the marina closure zone or CAAMP are recommended. A comprehensive evaluation report is in the central growing area file.

### 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.

### 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.

### Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management plan..... Yes
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 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
27	Approved	1/29/2019-11/27/2023	1.7-13.0	2.2	4.4	Y
28	Approved	1/29/2019-11/27/2023	1.7-33.0	2.4	6.9	Y
29	Approved	1/29/2019-11/27/2023	1.7-94.0	3.0	12.0	Y
30	Approved	1/29/2019-11/27/2023	1.7-46.0	2.3	6.1	Y
31	Conditionally Approved	1/29/2019-11/27/2023	1.7-33.0	2.0	4.3	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.

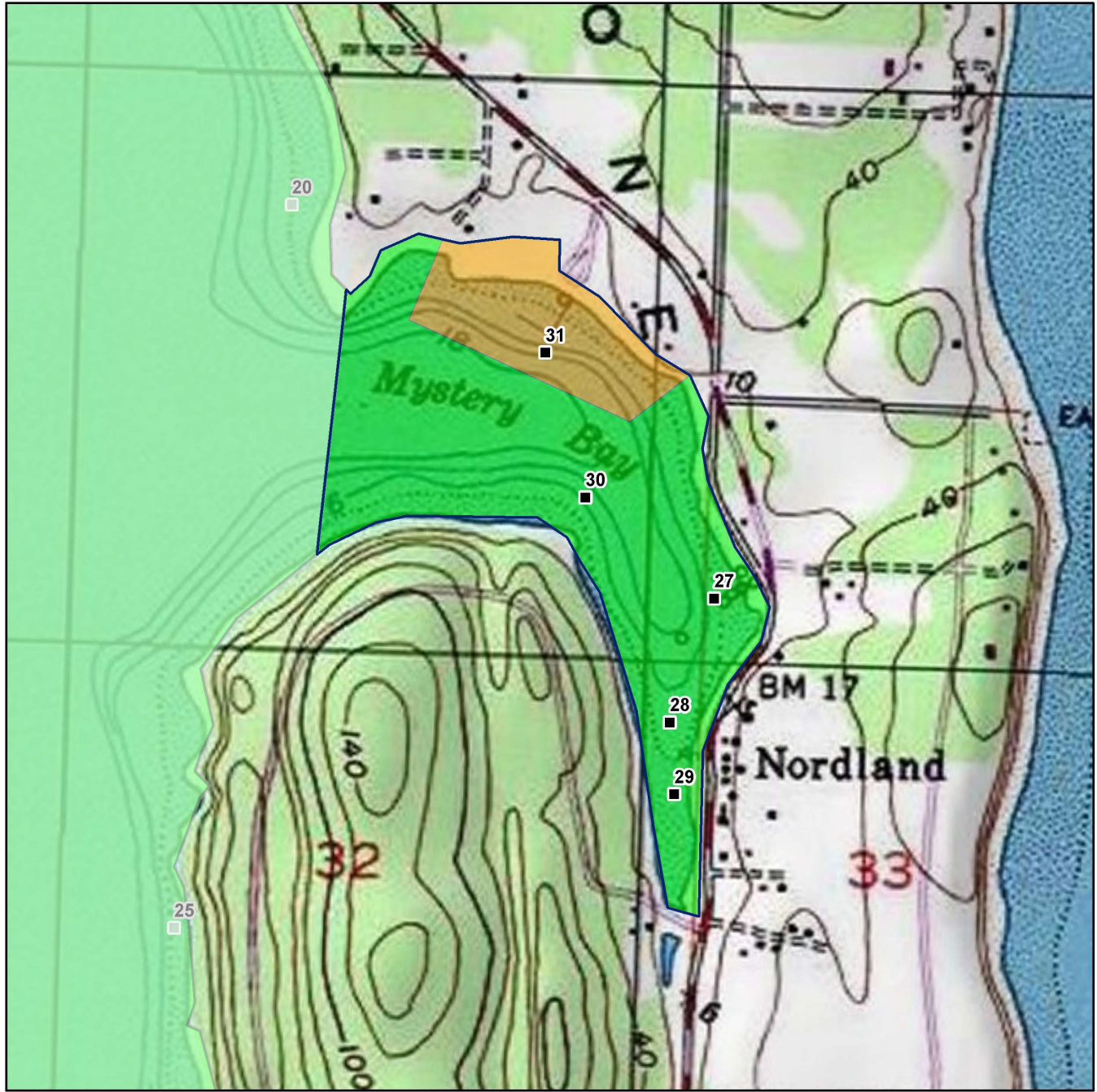
**MAP 1. Mystery Bay Growing Area**

 **Mystery Bay**


 **Health**

Date Updated: 7/11/2018

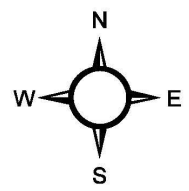
0 0.25 0.5 Miles



**Classification**

-  Approved
-  Conditional
-  Prohibited
-  Restricted
-  Unclassified

**Sampling Stations**



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