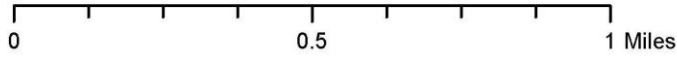


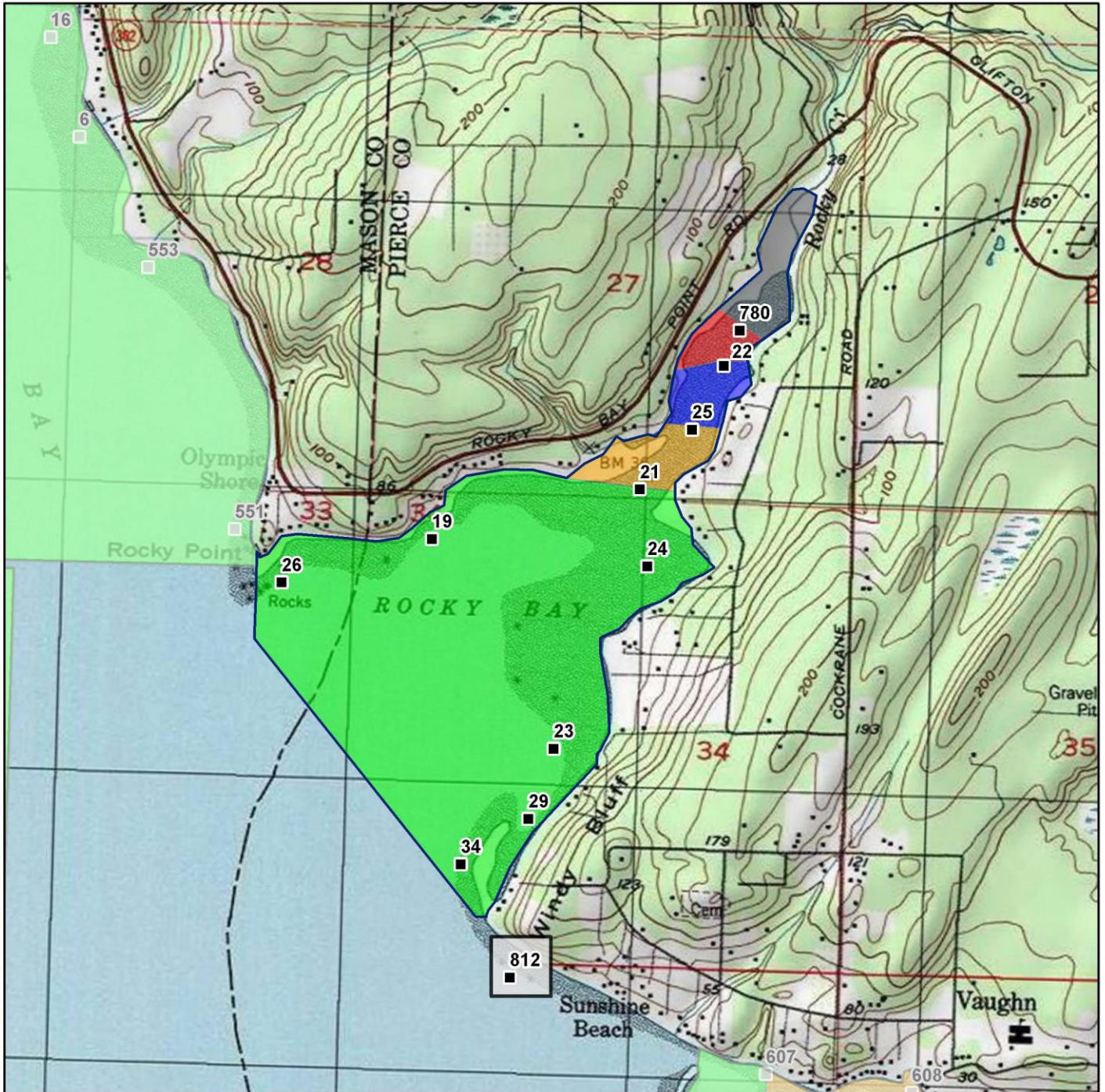
# Rocky Bay Water Quality Summary (January 2023)

 Rocky Bay



 Washington State Department of Health

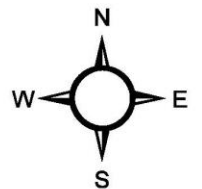
Date Updated: 7/11/2018



### Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

### Sampling Stations



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

## Rocky Bay Water Quality Summary (January 2023)

### Table 1: Summary of Marine Water Data (30 Samples)

| Station Number | Classification         | Date Range            | Range (FC/100 mL) | GeoMean (FC/100mL) | Estimated 90th (FC/100mL) | Meets Standard |
|----------------|------------------------|-----------------------|-------------------|--------------------|---------------------------|----------------|
| 19             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 33.0        | 2.3                | 5.9                       | Yes            |
| 21             | Approved               | 7/9/2020 - 12/1/2022  | 1.7 - 79.0        | 3.5                | 15.6                      | Yes            |
| 23             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 49.0        | 2.6                | 8.0                       | Yes            |
| 24             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 49.0        | 3.7                | 14.3                      | Yes            |
| 26             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 94.0        | 2.3                | 6.4                       | Yes            |
| 29             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 79.0        | 2.8                | 10.6                      | Yes            |
| 34             | Approved               | 2/22/2018 - 12/1/2022 | 1.7 - 7.8         | 2.1                | 3.5                       | Yes            |
| 25             | Conditionally Approved | 7/9/2020 - 12/1/2022  | 1.7 - 220.0       | 4.3                | 18.6                      | Yes            |
| 780            | Prohibited             | 7/9/2020 - 12/1/2022  | 1.7 - 79.0        | 8.1                | 39.8                      | Yes            |
| 22             | Restricted             | 7/9/2020 - 12/1/2022  | 1.7 - 120.0       | 6.3                | 30.6                      | Yes            |
| 812            | Unclassified           | 2/22/2018 - 12/1/2022 | 1.7 - 7.8         | 2.0                | 3.5                       | Yes            |

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.

Last 30 samples includes 5 sampling events where there was 1" or greater recorded in 24 hours 0-4 days prior to sampling

### Table 2: Summary of Marine Water Data (30 Samples) collected after < 1 – inch Rainfall in 24 hours (30 samples)

Includes data for rainfall amounts: 0.00 - 0.99" on days 0 – 4 days previous to the sampling event.

| Station Number | Classification         | Date Range            | Range (FC/100mL) | GeoMean (FC/100mL) | Estimated 90th (FC/100mL) | Meets Standard* |
|----------------|------------------------|-----------------------|------------------|--------------------|---------------------------|-----------------|
| 25             | Conditionally Approved | 2/12/2020 - 10/4/2022 | 1.7 - 23.0       | 3.6                | 10.9                      | Yes             |
| 22             | Restricted             | 2/12/2020 - 10/4/2022 | 1.7 - 49.0       | 5.1                | 21.5                      | Yes             |

## Rocky Bay Water Quality Summary (January 2023)

### Table 3: Change in Estimated 90<sup>th</sup> Percentiles at each Station Over Last Year to Current Period

| Station Number | Classification            | 1 YEAR AGO<br>Est 90th Percentile | 2021 ANNUAL<br>REPORT<br>Est 90th Percentile | LAST 30 SAMPLES<br>Est 90 <sup>th</sup> Percentile | Net Trend<br>(>3 FC) |
|----------------|---------------------------|-----------------------------------|--|--|----------------------|
| 19             | Approved                  | 6.2                               | 6.2  | 5.9  |                      |
| 21             | Approved                  | 12.6                              | 12.6   | 15.6   | Increase             |
| 23             | Approved                  | 8.3                               | 8.3  | 8.0  |                      |
| 24             | Approved                  | 14.0                              | 14.0   | 14.3   |                      |
| 26             | Approved                  | 6.7                               | 6.7  | 6.4  |                      |
| 29             | Approved                  | 10.9                              | 10.9   | 10.6   |                      |
| 34             | Approved                  | 4.0                               | 4.0  | 3.5  |                      |
| 25             | Conditionally<br>Approved | 21.2                              | 21.2   | 18.6   |                      |
| 780            | Prohibited                | 51.3                              | 51.3   | 39.8   | Decrease             |
| 22             | Restricted                | 33.4                              | 33.4   | 30.6   |                      |
| 812            | Unclassified              | 3.5                               | 3.5  | 3.5  |                      |

\*All values given in FC/100mL

# Rocky Bay Water Quality Summary (January 2023)

