Blake Island
Annual Shellfish Growing Area Review

Prepared By: Liz Maier
Area: Blake Island
Year Ending: December 31, 2019
Classification: Approved, Conditionally 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. Three samples were collected during the Open status. One sample collected at Station 686 could not be analyzed due to a broken bottle. The Conditionally Approved areas were closed from May 1 through September 30 in accordance with the Conditionally Approved Area Management Plan.

Analytical Results of Water Samples
Table 1 summarizes the results of the most recent 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
The boat pumpout at Blake Island State Park has been out of service since at least May 2019. The park shut down the station due to an issue with the park’s large onsite sewage system (LOSS). The park plans to bring the station back on line in 2020 after a new lift station for the LOSS is installed.

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. The Department should track the status of the boat pumpout at Blake Island State Park. If the pumpout remains out of service, a reevaluation of the marina closure zone will be needed.
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) Blake Island Growing Area

Sampling Event Type: Regulatory
Maximum Number of Samples: 30
Tides Included: All

<table>
<thead>
<tr>
<th>Station Number</th>
<th>Classification</th>
<th>Date Range</th>
<th>Range (FC/100mL)</th>
<th>Geomean (FC/100mL)</th>
<th>Est. 90th Percentile (FC/100mL)</th>
<th>Meets Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>398</td>
<td>Approved</td>
<td>1/13/2015 - 11/21/2019</td>
<td>1.7 - 7.8</td>
<td>2.0</td>
<td>3.3</td>
<td>Y</td>
</tr>
<tr>
<td>399</td>
<td>Approved</td>
<td>1/13/2015 - 11/21/2019</td>
<td>1.7 - 7.8</td>
<td>2.0</td>
<td>3.3</td>
<td>Y</td>
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<td>401</td>
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<td>1/13/2015 - 11/21/2019</td>
<td>1.7 - 33.0</td>
<td>2.1</td>
<td>4.5</td>
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<tr>
<td>397</td>
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<td>1.7 - 79.0</td>
<td>2.2</td>
<td>5.6</td>
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<td>1/13/2015 - 11/21/2019</td>
<td>1.7 - 2.0</td>
<td>1.7</td>
<td>1.9</td>
<td>Y</td>
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<td>402</td>
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<td>1.9</td>
<td>3.3</td>
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<td>686</td>
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<td>1.9</td>
<td>2.8</td>
<td>Y</td>
</tr>
</tbody>
</table>

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. Blake Island Growing Area

Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

Sampling Stations

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