Penrose Point
Annual Shellfish Growing Area Review

Prepared By: Liz Maier
Area: Penrose Point
Year Ending: December 31, 2019
Classification: Approved, Prohibited

**Activities in the Growing Area in 2019**

The Active portion of the growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria, including Stations 295 and 595 near Penrose Point State Park. Station 596 near the park was sampled only five times. Stations 296, 640, 641, 642, and 573 are in Inactive status, and all were sampled at least twice in 2019. These stations will remain in Inactive status until January 2022 unless classification action is taken sooner.

In September, the Department stopped collecting samples at four marine water stations (774-777) in Von Geldern Cove and unclassified approximately 11 acres in the cove due to no harvest activities and lack of interest in future harvesting.

**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.

**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 standards for an Approved classification and the area is correctly classified.
TABLE 1. Summary of Marine Water Data (SRS) Penrose Point 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>295</td>
<td>Approved</td>
<td>3/11/2015 - 11/6/2019</td>
<td>1.7 - 2.0</td>
<td>1.7</td>
<td>1.9</td>
<td>Y</td>
</tr>
<tr>
<td>296</td>
<td>Approved</td>
<td>5/16/2013 - 7/22/2019</td>
<td>1.7 - 23.0</td>
<td>1.9</td>
<td>3.7</td>
<td>Y</td>
</tr>
<tr>
<td>573</td>
<td>Approved</td>
<td>4/7/2014 - 7/22/2019</td>
<td>1.7 - 6.8</td>
<td>2.1</td>
<td>3.5</td>
<td>Y</td>
</tr>
<tr>
<td>595</td>
<td>Approved</td>
<td>3/11/2015 - 11/6/2019</td>
<td>1.7 - 7.8</td>
<td>2.2</td>
<td>4.3</td>
<td>Y</td>
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<tr>
<td>596</td>
<td>Approved</td>
<td>6/4/2014 - 11/6/2019</td>
<td>1.7 - 17.0</td>
<td>2.5</td>
<td>6.0</td>
<td>Y</td>
</tr>
<tr>
<td>640</td>
<td>Approved</td>
<td>5/16/2013 - 7/22/2019</td>
<td>1.7 - 13.0</td>
<td>3.3</td>
<td>8.9</td>
<td>Y</td>
</tr>
<tr>
<td>641</td>
<td>Approved</td>
<td>5/16/2013 - 7/22/2019</td>
<td>1.7 - 23.0</td>
<td>2.3</td>
<td>5.1</td>
<td>Y</td>
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<tr>
<td>642</td>
<td>Approved</td>
<td>5/16/2013 - 7/22/2019</td>
<td>1.7 - 33.0</td>
<td>3.7</td>
<td>11.5</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.