Gulf of Mexico Harmful Algal Bloom Bulletin

Tuesday, October 1, 2019
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service

Instructions for viewing this geospatial pdf are available at: https://go.usa.gov/xn9g2.

Region: Southwest Florida

Conditions Report

Not present to low concentrations of *Karenia brevis* (commonly known as red tide) are present along- and offshore portions of southwest Florida and are not present in the Florida Keys. *K. brevis* concentrations are patchy in nature and levels of respiratory irritation will vary locally based upon nearby bloom concentrations, ocean currents, and wind speed and direction.

Recently Reported Impacts (Listed by County):

**Respiratory irritation:** Collier
**Dead fish:** Collier
**Discolored water:** None

Definition of respiratory irritation levels.

<table>
<thead>
<tr>
<th>RESPIRATORY IRRITATION LEVEL</th>
<th>NONE</th>
<th>CHRONIC RESPIRATORY CONDITION</th>
<th>SENSITIVE TO RED TIDE</th>
<th>GENERAL PUBLIC (MILD SYMPTOMS)</th>
<th>GENERAL PUBLIC (INTENSE SYMPTOMS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Very low</td>
<td></td>
<td>x</td>
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<tr>
<td>Low</td>
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<tr>
<td>Moderate</td>
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<td>x</td>
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<tr>
<td>High</td>
<td></td>
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<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

Additional Resources

Health Information:

Florida Department of Health:

Other resources: https://go.usa.gov/xQNWp

Recent, Local Observations and Data:

Mote Marine Laboratory Daily Beach Conditions:
http://visitbeaches.org

Florida Fish and Wildlife Conservation Commission:
http://myfwc.com/redtidestatus
The table lists the highest level of potential respiratory irritation forecast. *K. brevis* concentrations are patchy in nature and levels of respiratory irritation will vary locally based upon nearby bloom concentrations, ocean currents, and wind speed and direction.

Cells are marked ‘none’ if *K. brevis* was detected, but no respiratory irritation is forecasted in the region. Cells are blank if no *K. brevis* has been detected in the region.
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