



Gulf of Mexico Harmful Algal Bloom Bulletin

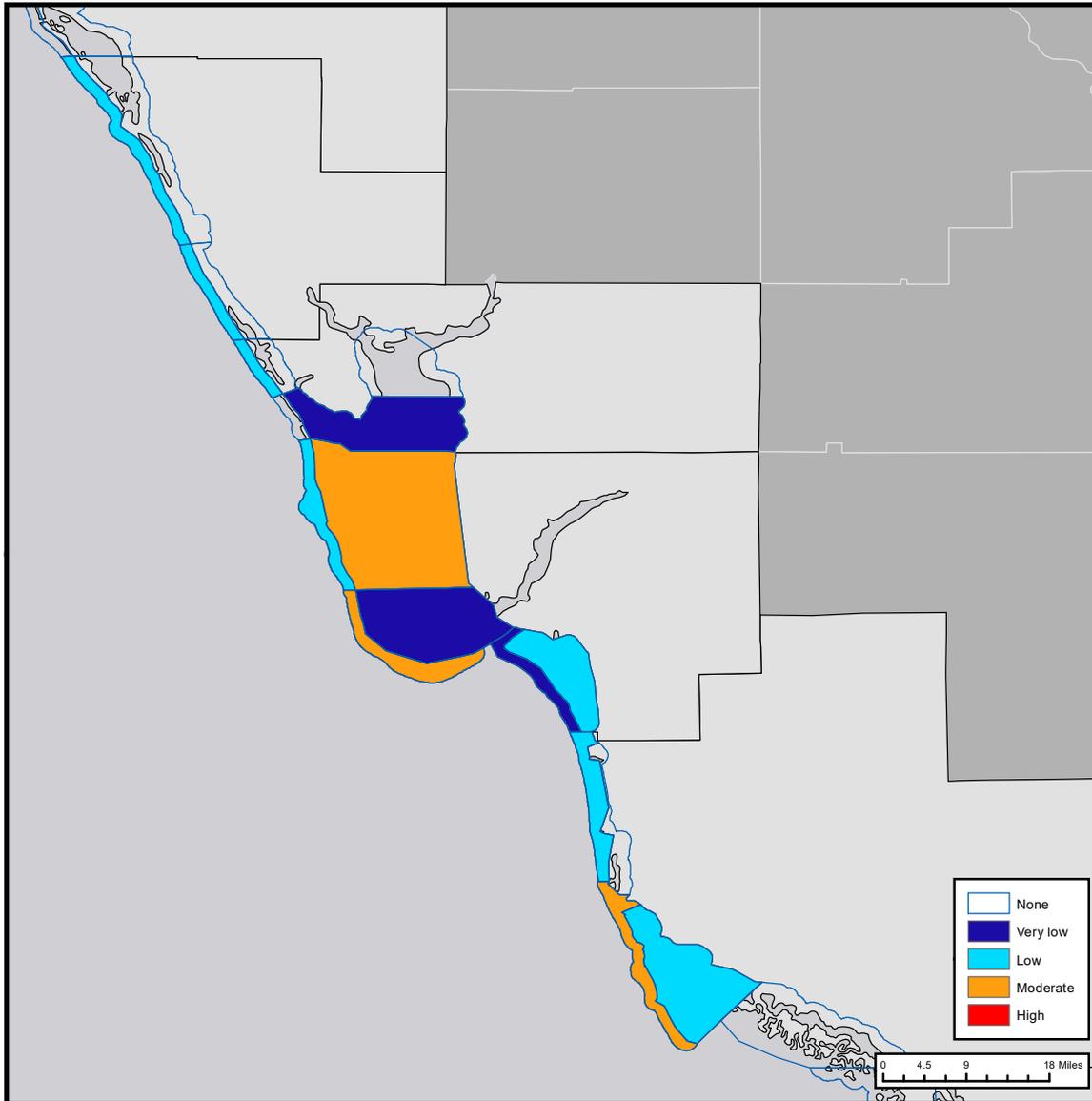
Monday, March 29, 2021

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>.



The image above is the top layer in a series of maps for 03-29-21 to 04-01-21 displaying the highest level of potential respiratory irritation forecasts in each region.

Region: Southwest Florida



Esri, HERE, Garmin, (c)

Conditions Report

Not present to medium concentrations of *Karenia brevis* (commonly known as red tide) are present along- and offshore portions of southwest Florida and are not present offshore 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: Sarasota, Lee

Dead fish: None

Definition of respiratory irritation levels.

| RESPIRATORY IRRITATION LEVEL | AFFECTED POPULATION | | | | |
|------------------------------|---------------------|-------------------------------|-----------------------|--------------------------------|-----------------------------------|
| | NONE | CHRONIC RESPIRATORY CONDITION | SENSITIVE TO RED TIDE | GENERAL PUBLIC (MILD SYMPTOMS) | GENERAL PUBLIC (INTENSE SYMPTOMS) |
| None | X | | | | |
| Very low | | X | | | |
| Low | | X | X | | |
| Moderate | | X | X | X | |
| High | | X | X | X | X |

Additional Resources

Health Information:

Florida Department of Health:

<http://www.floridahealth.gov/environmental-health/aquatic-toxins/harmful-algae-blooms/index.html>

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>

| State Name | County Region | Mon 03/29 | Tue 03/30 | Wed 03/31 | Thu 04/01 | | | |
|------------|--|-----------|-----------|-----------|-----------|--|--|--|
| Florida | | | | | | | | |
| | DIXIE County-Gulf Coast | | | | | | | |
| | LEVY County-Gulf Coast | | | | | | | |
| | CITRUS County-Gulf Coast | | | | | | | |
| | HERNANDO County-Gulf Coast | | | | | | | |
| | Northern PASCO County-Gulf Coast | | | | | | | |
| | Southern PASCO County-Gulf Coast | | | | | | | |
| | Northern PINELLAS County-Gulf Coast | | | | | | | |
| | Northern PINELLAS County-Bay Regions | | | | | | | |
| | Northern PINELLAS County, Upper Bay Area-Bay Regions | | | | | | | |
| | Southern PINELLAS County-Gulf Coast | | | | | | | |
| | Southern PINELLAS County-Bay Regions | | | | | | | |
| | PINELLAS and Northern MANATEE County-Bay Regions | | | | | | | |
| | South MANATEE County-Gulf Coast | | | | | | | |
| | South MANATEE County-Bay Regions | | | | | | | |
| | North SARASOTA County-Gulf Coast | low | low | low | very low | | | |
| | North SARASOTA County-Bay Regions | | | | | | | |
| | Southern SARASOTA County-Gulf Coast | low | low | low | very low | | | |
| | Southern SARASOTA County-Bay Regions | | | | | | | |
| | North CHARLOTTE County-Gulf Coast | low | low | low | very low | | | |
| | North CHARLOTTE County-Bay Regions | | | | | | | |
| | Southern CHARLOTTE County-Gulf Coast | | | | | | | |
| | Southern CHARLOTTE County-Bay Regions | very low | very low | very low | very low | | | |
| | Upper CHARLOTTE Harbor-Bay Regions | low | low | low | low | | | |
| | Northern LEE County-Gulf Coast | low | low | very low | very low | | | |
| | Northern LEE County-Bay Regions | moderate | moderate | moderate | moderate | | | |
| | Central LEE County-Gulf Coast | moderate | moderate | moderate | low | | | |

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.

| State Name | County Region | Mon 03/29 | Tue 03/30 | Wed 03/31 | Thu 04/01 | | | |
|------------|-------------------------------------|-----------|-----------|-----------|-----------|--|--|--|
| Florida | | | | | | | | |
| | Central LEE County-Bay Regions | very low | very low | very low | very low | | | |
| | Southern LEE County-Gulf Coast | very low | very low | very low | very low | | | |
| | Southern LEE County-Bay Regions | low | low | low | low | | | |
| | Northern COLLIER County-Gulf Coast | low | low | low | very low | | | |
| | Northern COLLIER County-Bay Regions | | | | | | | |
| | Central COLLIER County-Gulf Coast | moderate | very low | very low | very low | | | |
| | Central COLLIER County-Bay Regions | low | low | low | low | | | |
| | Southern COLLIER County-Gulf Coast | | | | | | | |
| | Northern MONROE County-Gulf Coast | | | | | | | |
| | Southern MONROE County-Gulf Coast | | | | | | | |
| | UPPER KEYS-Oceanside | | | | | | | |
| | UPPER KEYS and FLORIDA BAY-Gulfside | | | | | | | |
| | MIDDLE KEYS-Oceanside | | | | | | | |
| | MIDDLE KEYS-Gulfside | | | | | | | |
| | LOWER KEYS-Oceanside | | | | | | | |
| | LOWER KEYS-Gulfside | | | | | | | |

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