



# Gulf of Mexico Harmful Algal Bloom Bulletin

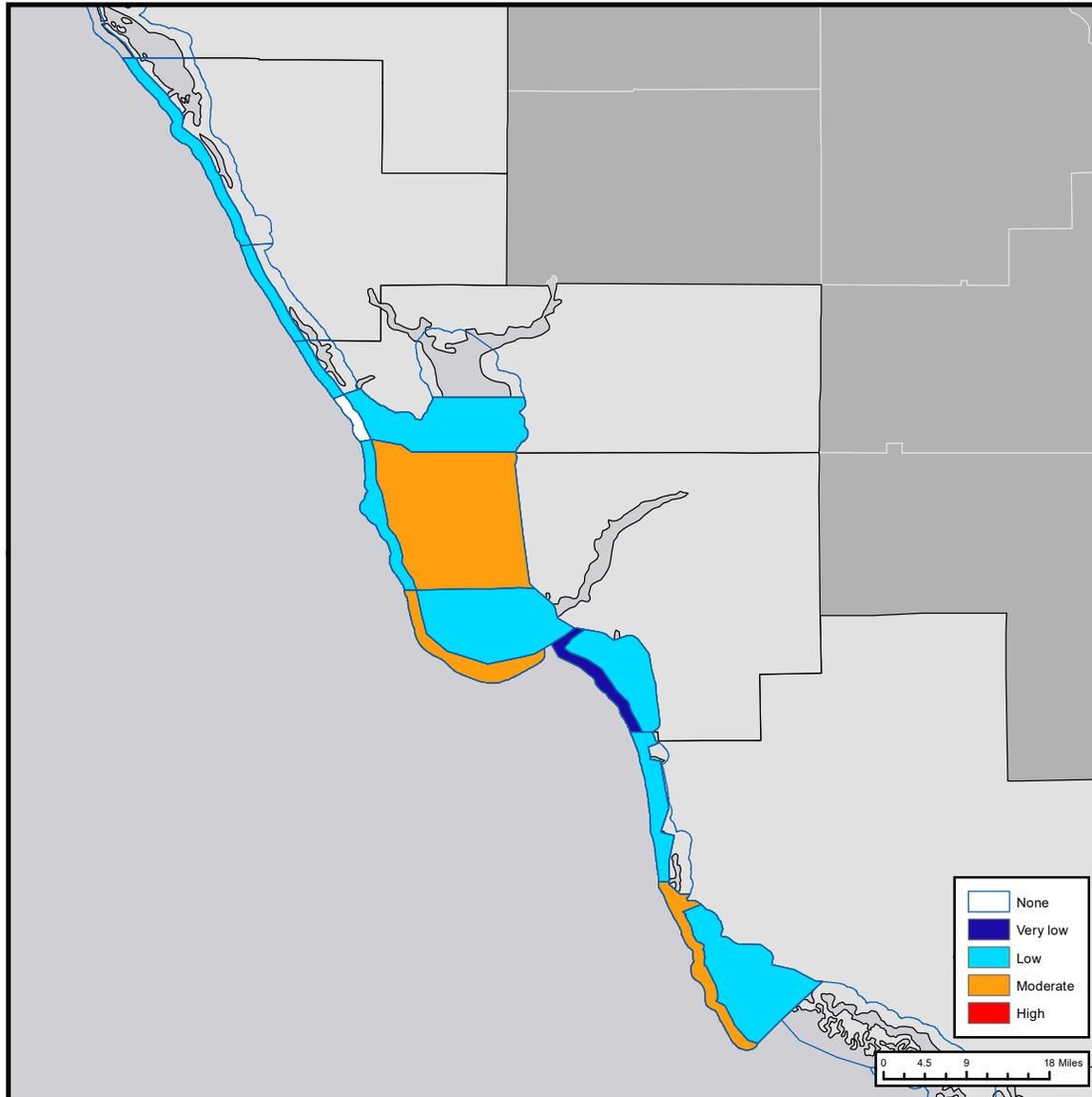
Thursday, April 1, 2021

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 04-01-21 to 04-05-21 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 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:** Sarasota, Lee

**Dead fish:** Charlotte, Lee, Collier

**Discolored water:** Sarasota

#### 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	Thu 04/01	Fri 04/02	Sat 04/03	Sun 04/04	Mon 04/05		
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	very low	very low	very low	very low		
	North SARASOTA County-Bay Regions							
	Southern SARASOTA County-Gulf Coast	low	very low	very low	very low	very low		
	Southern SARASOTA County-Bay Regions							
	North CHARLOTTE County-Gulf Coast	low	none	none	none	none		
	North CHARLOTTE County-Bay Regions							
	Southern CHARLOTTE County-Gulf Coast	none	very low	very low	very low	none		
	Southern CHARLOTTE County-Bay Regions	low	low	low	low	very low		
	Upper CHARLOTTE Harbor-Bay Regions	moderate	moderate	moderate	moderate	moderate		
	Northern LEE County-Gulf Coast	low	low	low	low	very low		
	Northern LEE County-Bay Regions	moderate	moderate	moderate	moderate	moderate		
	Central LEE County-Gulf Coast	moderate	very low	very low	very low	very 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	Thu 04/01	Fri 04/02	Sat 04/03	Sun 04/04	Mon 04/05		
Florida								
	Central LEE County-Bay Regions	low	very low	very low	very low	very low		
	Southern LEE County-Gulf Coast	very low	very low	very low	very low	none		
	Southern LEE County-Bay Regions	low	low	low	low	very low		
	Northern COLLIER County-Gulf Coast	low	very low	very low	very low	very low		
	Northern COLLIER County-Bay Regions							
	Central COLLIER County-Gulf Coast	moderate	very low	very low	very low	very low		
	Central COLLIER County-Bay Regions	low	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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