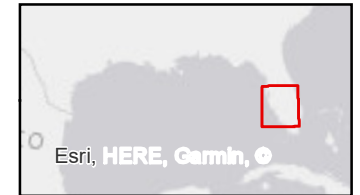


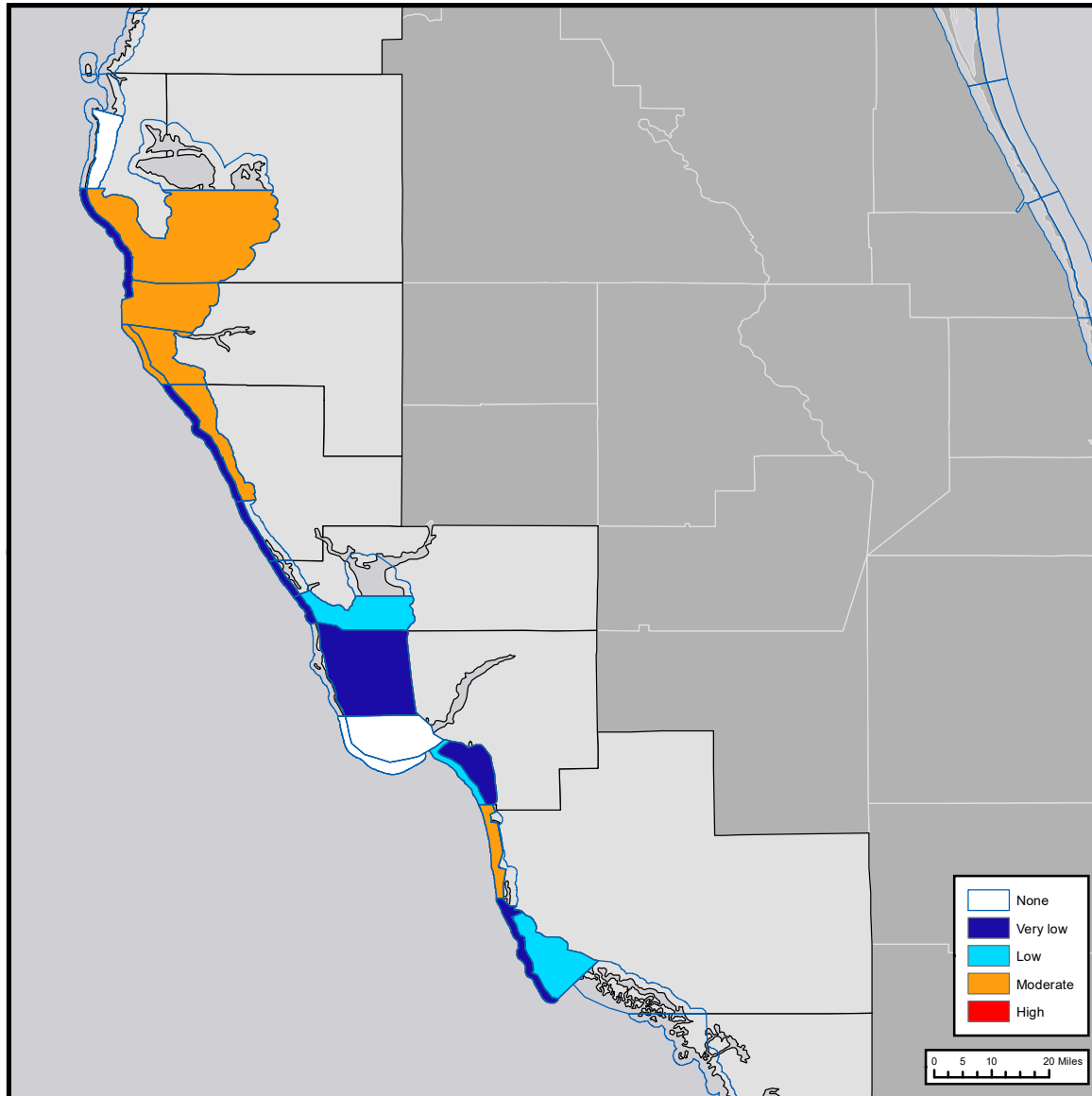
# Gulf of Mexico Harmful Algal Bloom Bulletin

Monday, December 10, 2018  
 NOAA National Ocean Service  
 NOAA Satellite and Information Service  
 NOAA National Weather Service

## Region: Southwest Florida



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 12-10-18 to 12-13-18 displaying the highest level of potential respiratory irritation forecasts in each region.

## 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:** Manatee, Sarasota, Collier  
**Dead fish:** Manatee, Sarasota, Collier

### 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/red-tide.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 12/10	Tue 12/11	Wed 12/12	Thu 12/13			
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	none	none	none	none			
	Northern PINELLAS County, Upper Bay Area-Bay Regions							
	Southern PINELLAS County-Gulf Coast	very low	very low	very low	very low			
	Southern PINELLAS County-Bay Regions	moderate	moderate	moderate	moderate			
	PINELLAS and Northern MANATEE County-Bay Regions	moderate	moderate	moderate	moderate			
	South MANATEE County-Gulf Coast	moderate	moderate	very low	very low			
	South MANATEE County-Bay Regions	moderate	moderate	moderate	moderate			
	North SARASOTA County-Gulf Coast	very low	very low	very low	very low			
	North SARASOTA County-Bay Regions	moderate	moderate	moderate	moderate			
	Southern SARASOTA County-Gulf Coast	very low	very low	very low	very low			
	Southern SARASOTA County-Bay Regions							
	North CHARLOTTE County-Gulf Coast	very low	very low	very low	very low			
	North CHARLOTTE County-Bay Regions							
	Southern CHARLOTTE County-Gulf Coast	very low	very low	very low	very low			
	Southern CHARLOTTE County-Bay Regions	low	low	low	low			
	Upper CHARLOTTE Harbor-Bay Regions							
	Northern LEE County-Gulf Coast							
	Northern LEE County-Bay Regions	very low	very low	very low	very low			
	Central LEE County-Gulf Coast	none	none	none	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	Mon 12/10	Tue 12/11	Wed 12/12	Thu 12/13			
Florida								
	Central LEE County-Bay Regions	none	none	none	none			
	Southern LEE County-Gulf Coast	low	low	very low	very low			
	Southern LEE County-Bay Regions	very low	very low	very low	very low			
	Northern COLLIER County-Gulf Coast	moderate	moderate	very low	very low			
	Northern COLLIER County-Bay Regions							
	Central COLLIER County-Gulf Coast	very low	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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