

## Red Tide Status - Florida Southwest Coast January 07, 2022

**Present Status:** The red tide organism, *Karenia brevis*, was not observed in samples collected from or offshore of Pinellas, Hillsborough, Manatee, Sarasota, Charlotte, Lee, or Collier counties. No samples were analyzed this week from Monroe County.

No reports of fish kills suspected to be related to red tide were received in Southwest Florida over the past week. For more details, please visit: <https://myfwc.com/research/saltwater/health/fish-kills-hotline/>.

Respiratory irritation suspected to be related to red tide was not reported in Southwest Florida over the past week. For recent and current information at individual beaches, please visit <https://visitbeaches.org/> and for forecasts that use FWC and partner data, please visit <https://habforecast.gcoos.org/>.

Forecasts by the [USF-FWC Collaboration for Prediction of Red Tides](#) for Pinellas County to northern Monroe County predict variable movement of surface waters and net eastern transport of subsurface waters in most areas over the next 3.5 days.

County	Date Collected	Alongshore Inshore	Offshore	Site Location	Collector
<b>Pinellas</b>					
-	01/06	not present	-	Cooper Point; E of (Old Tampa Bay)	FWRI
-	01/03	not present	-	Clearwater Pass	FWRI
-	01/03	not present	-	Via Cipriani; dock S of (Old Tampa Bay)	FWRI
-	01/03	not present	-	La Contessa Pier	FWRI
-	12/30	not present	-	Tom Stuart Causeway; N of (Boca Ciega Bay)	PC
-	01/05	-	not present	Johns Pass; 12 mi W of	FWRI-Crustaceans
-	01/05	not present	-	Spa Beach (Middle Tampa Bay)	CoSP
-	01/03	not present	-	FWRI Peninsula; SE tip of (Bayboro Harbor)	FWRI
-	01/03	not present	-	FWRI Peninsula; SE tip of (Bayboro Harbor)	FWRI
-	01/05	not present	-	Lassing Park (Middle Tampa Bay)	CoSP
-	01/05	-	not present	Sunset Beach; 2.7 mi W of	FWRI-Crustaceans
-	01/05	not present	-	Coquina Key Drive SE; E of (Middle Tampa Bay)	PC
-	01/03	not present	-	Wallace Cove (Boca Ciega Bay)	FWRI
-	01/05	-	not present	Pass-a-Grille Beach; 34 mi W of	FWRI
-	01/05	-	not present	Pass-a-Grille Beach; 34 mi W of	FWRI

County	Date Collected	Alongshore Inshore	Offshore	Site Location	Collector
-	01/05	-	not present	Pass-a-Grille Beach; 34 mi W of	FWRI
-	01/05	-	not present	Pass-a-Grille Beach; 34 mi W of	FWRI
-	01/03	not present	-	Mullet Key; Gulf Pier	FWRI
<b>Hillsborough</b>					
-	01/06	not present	-	Old Tampa Bay Park; 1.7 mi S of (Old Tampa Bay)	FWRI
-	01/06	not present	-	C. Campbell Causeway; S of (Old Tampa Bay)	FWRI
-	01/06	not present	-	Howard Frankland Bridge; N of (Old Tampa Bay)	FWRI
-	01/05	-	not present	Bunces Pass; 41 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 31 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 21 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 5.8 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 41 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 31 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 11 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 31 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 21 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 5.8 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 41 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 21 mi W of	FWRI
-	01/05	-	not present	Bunces Pass; 11 mi W of	FWRI
<b>Manatee</b>					
-	01/03	not present	-	Skyway Fishing Pier; South (Lower Tampa Bay)	FWRI
-	01/03	not present	-	Fletcher Point (Lower Tampa Bay)	FWRI
-	01/03	not present	-	Anna Maria Island Rod & Reel Pier (Lower Tampa Bay)	FWRI
-	01/03	not present	-	Palma Sola Bay Bridge	FWRI
-	01/03	not present	-	Longboat Pass Boat Ramp (Sarasota Bay)	FWRI
<b>Sarasota</b>					
-	01/05	not present	-	Whale Key; SE of (Sarasota Bay)	MML
-	01/05	not present	-	Mid-Sarasota Bay	MML
-	01/03	not present	-	Longboat Key Beach	SCDH
-	01/05	not present	-	Bishops Point; SE of (Sarasota Bay)	MML

County	Date Collected	Alongshore Inshore	Offshore	Site Location	Collector
-	01/05	not present	-	Indian Beach; SW of (Sarasota Bay)	MML
-	01/05	not present	-	Centennial Park; NW of (Sarasota Bay)	MML
-	01/05	not present	-	Quick Point; N of (Sarasota Bay)	MML
-	01/05	not present	-	City Island; NE of (Sarasota Bay)	MML
-	01/05	not present	-	Causeway Park; N of (Sarasota Bay)	MML
-	01/05	not present	-	New Pass Dock (Sarasota Bay)	MML
-	01/04	not present	-	New Pass Dock (Sarasota Bay)	MML
-	01/03	not present	-	New Pass Dock (Sarasota Bay)	MML
-	01/05	not present	-	Bay Dock (Sarasota Bay)	MML
-	01/03	not present	-	Bay Dock (Sarasota Bay)	MML
-	01/04	not present	-	Bay Dock (Sarasota Bay)	MML
-	01/05	not present	-	New Pass (Sarasota Bay)	MML
-	01/03	not present	-	Ringling Causeway	SCDH
-	01/05	not present	-	Island Park; SW of (Sarasota Bay)	MML
-	01/05	not present	-	Otter Key; E of (Sarasota Bay)	MML
-	01/03	not present	-	North Lido Beach	SCDH
-	01/05	not present	-	Bird Key; E of (Sarasota Bay)	MML
-	01/03	not present	-	Lido Beach Casino	SCDH
-	01/05	not present	-	Bay Island Park; NE of (Sarasota Bay)	MML
-	01/03	not present	-	South Lido Park	SCDH
-	01/03	not present	-	Siesta Beach	SCDH
-	01/03	not present	-	Turtle Beach	SCDH
-	01/03	not present	-	Nokomis Beach	SCDH
-	01/03	not present	-	North Jetty	SCDH
-	01/03	not present	-	Venice Beach	SCDH
-	01/03	not present	-	Service Club Park	SCDH
-	01/03	not present	-	Venice Fishing Pier	SCDH
-	01/03	not present	-	Brohard Beach	SCDH
-	01/03	not present	-	Caspersen Beach	SCDH
-	01/03	not present	-	Manasota Beach	SCDH
-	01/03	not present	-	Blind Pass Beach	SCDH
<b>Charlotte</b>					
-	01/05	not present	-	Englewood Beach	ChCPRCR
-	01/03	not present	-	Punta Gorda Boat Ramp (Charlotte Harbor)	FDEP

County	Date Collected	Alongshore Inshore	Offshore	Site Location	Collector
-	01/05	not present	-	Sister Ponds Creek; E of (Charlotte Harbor)	FDEP-CHAP
-	01/05	not present	-	Boca Grande Pier (Gasparilla Sound)	ChCPRCR
<b>Lee</b>					
-	01/03	not present	-	Burnt Store Marina (Charlotte Harbor)	FDEP
-	01/04	not present	-	Boca Grande Pass	FDACS
-	01/04	not present	-	Little Bokeelia Island; N of (Charlotte Harbor)	FDACS
-	01/04	not present	-	Mondongo Island; W of (Pine Island Sound)	FDACS
-	01/04	not present	-	Captiva Pass	FDACS
-	01/04	not present	-	Captiva Rocks; SW of (Pine Island Sound)	FDACS
-	01/04	not present	-	Hemp Key; S of (Pine Island Sound)	FDACS
-	01/04	not present	-	Cork Island; W of (Pine Island Sound)	FDACS
-	01/04	not present	-	Redfish Pass; 1.8 mi E of (Pine Island Sound)	FDACS
-	01/04	not present	-	Redfish Pass (Pine Island Sound)	FDACS
-	01/04	not present	-	Regla Island; W of (Pine Island Sound)	FDACS
-	01/04	not present	-	Buck Key; 1.9 mi NE of (Pine Island Sound)	FDACS
-	01/04	not present	-	York Island; W of (Pine Island Sound)	FDACS
-	01/04	not present	-	Buck Key; S of (Blind Pass)	FDACS
-	01/03	not present	-	Matanzas Pass (Estero Bay)	FDEP-EBAP
-	01/03	not present	-	Mound House Dock (Estero Bay)	FDEP-EBAP
-	01/03	not present	-	Estero River; mouth of (Estero Bay)	FDEP-EBAP
-	01/03	not present	-	Carl Johnson Park Boat Ramp (Estero Bay)	FDEP-EBAP
<b>Collier</b>					
-	01/04	not present	-	Naples Pier	CCPCD
-	01/03	not present	-	Big Marco Pass (Marco Bay)	PC
-	01/03	not present	-	Marco Island Beach	PC

**Note:** ChCPRCR = Charlotte Co Parks Recreation and Cultural Resources; CoSP = City of St. Petersburg; CCPCD = Collier County Pollution Control and Prevention Department; FDEP-CHAP = FDEP - Charlotte Harbor Aquatic Preserve; FDEP-EBAP = FDEP - Estero Bay Aquatic Preserve; FDACS =

Florida Department of Agriculture and Consumer Services; FDEP = Florida Department of Environmental Protection; FWRI = FWC-Fish and Wildlife Research Institute; FWRI-Crustaceans = FWRI-Crustacean Group; MML = Mote Marine Laboratory; PC = Private Citizen - Volunteer Program; SCDH = Sarasota County Department of Health

### Key for Results

Description	<i>Karenia brevis</i> abundance	Possible effects ( <i>Karenia brevis</i> only)
NOT PRESENT-BACKGROUND	0 - 1,000 cells/L	no effects anticipated
VERY LOW	> 1,000 - 10,000 cells/L	possible respiratory irritation; shellfish harvesting closures when cell abundance equals or exceeds 5,000 cells/L
LOW	> 10,000 - 100,000 cells/L	respiratory irritation; shellfish harvesting closures; possible fish kills; probable detection of chlorophyll by satellites at upper range of cell abundance
MEDIUM	> 100,000 - 1,000,000 cells/L	respiratory irritation; shellfish harvesting closures; probable fish kills; detection of surface chlorophyll by satellites
HIGH	> 1,000,000 cells/L	as above, plus water discoloration

## Red Tide-Related Hotlines and Information Sources

### Latest Red Tide Status Report by Phone

Call (866) 300-9399 at anytime from anywhere in Florida toll-free to hear a recording about red tide conditions throughout the state. FWRI updates the recording each Friday by 5 p.m. Callers outside of Florida can dial (727) 502-4952. Standard calling charges apply.

## Fish and Wildlife Hotlines and Reporting Contacts

### [FWRI Fish Kill Hotline](#)

The FWC's Fish and Wildlife Research Institute (FWRI) maintains this hotline through a federally funded project to survey fish-related diseases and mortalities.

Call (800) 636-0511 (toll-free) to report fish kills, diseased fish, or fish with other abnormalities. Leave a detailed report and contact information on the recorded message. A biologist will contact the caller, usually the following workday, if more information is needed. Please do not call the FWRI Fish Kill Hotline to request dead fish cleanup; local municipalities are responsible for dead fish cleanup, usually only on public beaches.

### [FWC Wildlife Alert Hotline](#): (888) 404-3922 (toll-free)

If you find a dead, sick, or injured manatee or sea turtle, or you would like to report a wildlife law violation, please call FWC's 24-hour Wildlife Alert Number.

## Hotlines and Reporting Sites for Effects on Humans

**Florida Poison Information Center:**(800) 222-1222 (toll-free)

If you would like to report health issues related to exposure to red tide, please call the Florida Poison Information Center at 800-222-1222. Additional information on the health effects of Florida red tide can be found on the [Florida Department of Health](#) website.

### Information Sources

**Mote Marine Laboratory's [Beach Conditions Reporting System](#)** provides up-to-date information about the effects of red tide on Florida Gulf coast beaches, including reports of dead fish, respiratory irritation among beachgoers, water color, and wind direction. The site also provides information on red drift algae and rip currents.

At the **University of South Florida (USF) College Of Marine Science**, the [Collaboration for the Prediction of Red Tides](#) uses [forecast models](#) to track and predict harmful algal blooms (HABs) in the southeastern United States and reports current conditions. Experimental products include *Karenia* flag maps of bloom locations and 4.5-day HAB trajectory forecasts. The center is a cooperative venture with the FWC.

**The National Oceanic and Atmospheric Administration (NOAA)** uses satellite imagery, field observations, and buoy data to assess harmful algal blooms in the Gulf of Mexico. A report of conditions and additional information appears on the [Gulf of Mexico Harmful Algal Bloom Forecast](#) website.

[Outreach and social media products](#) about Florida red tide are available for viewing and download.

### Shellfish Harvesting Closures

To protect public health, the Fish and Wildlife Research Institute's Harmful Algal Bloom (HAB) group closely monitors the status of *K. brevis* on Florida's coasts, providing technical support to the Florida Department of Agriculture and Consumer Services (FDACS), the agency that regulates approved shellfish harvesting areas. Before harvesting in Florida waters, determine open or closed status by visiting the Department's [Division of Aquaculture](#) Web site or calling a field office.

Report prepared by Mary Harper, FWC/FWRI, St. Petersburg, (727) 896-8626.