



## August 15, 2018 Red Tide Status Update

FWC reported background concentrations of *Karenia brevis* (red tide organism) from samples collected on Monday 8/13/2018 at La Contessa Pier in Redington Beach and at the Sand Key Fishing Pier at Clearwater Pass. At the Ft. De Soto Gulf Pier the concentrations were in the low range.

Tuesday 8/14/2018, County staff collected samples at the Ft. De Soto Bay pier and Gulf pier. Results of these samples showed background to very low cell counts of *K. brevis* respectively.

### Key for Results (Source FWC Website)

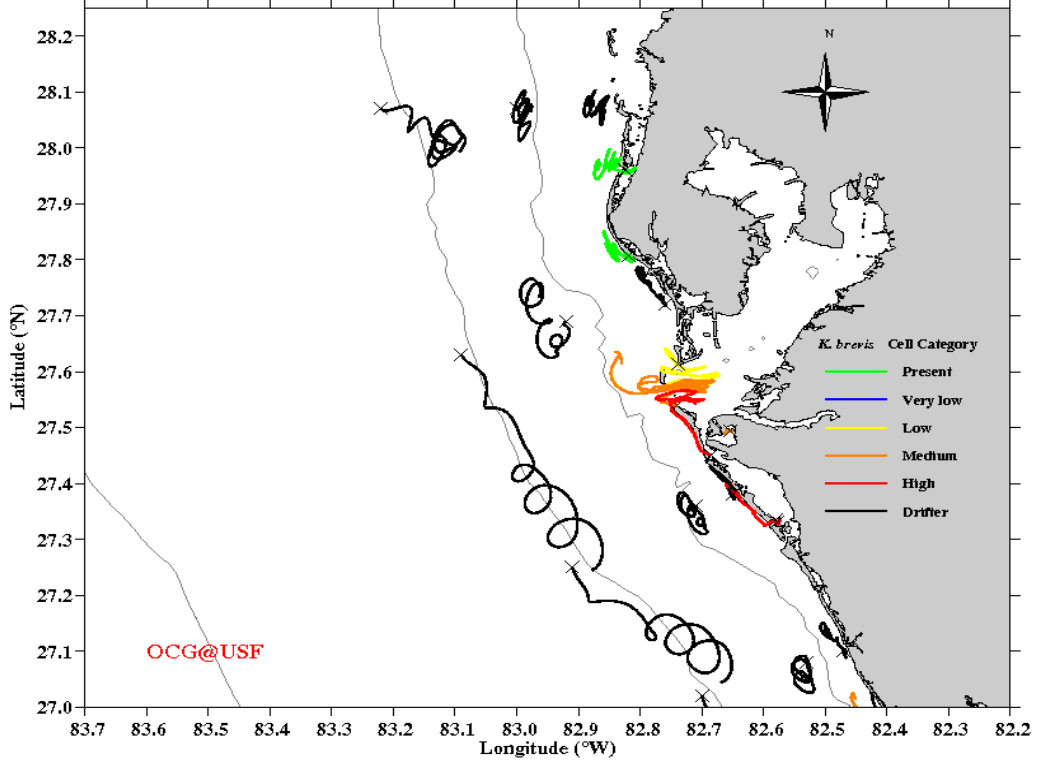
Description	<i>Karenia brevis</i> cells/liter	Possible Effects ( <i>K. brevis</i> only)
NOT PRESENT - BACKGROUND	background levels of 1,000 cells or less	None anticipated
VERY LOW	>1,000 to 10,000	Possible respiratory irritation; shellfish harvesting closures > 5,000 cells/L
LOW	>10,000 to 100,000	Respiratory irritation, possible fish kills and bloom chlorophyll probably detected by satellites at upper limits
MEDIUM	>100,000 to 1,000,000	Respiratory irritation and probable fish kills
HIGH	>1,000,000	As above plus discoloration

Parks and Conservation Resources staff are monitoring conditions at County Parks along the Gulf and in Tampa Bay and on Tuesday 8/15/2018 observed one dead fish and a slight odor. On Wednesday normal conditions were reported.

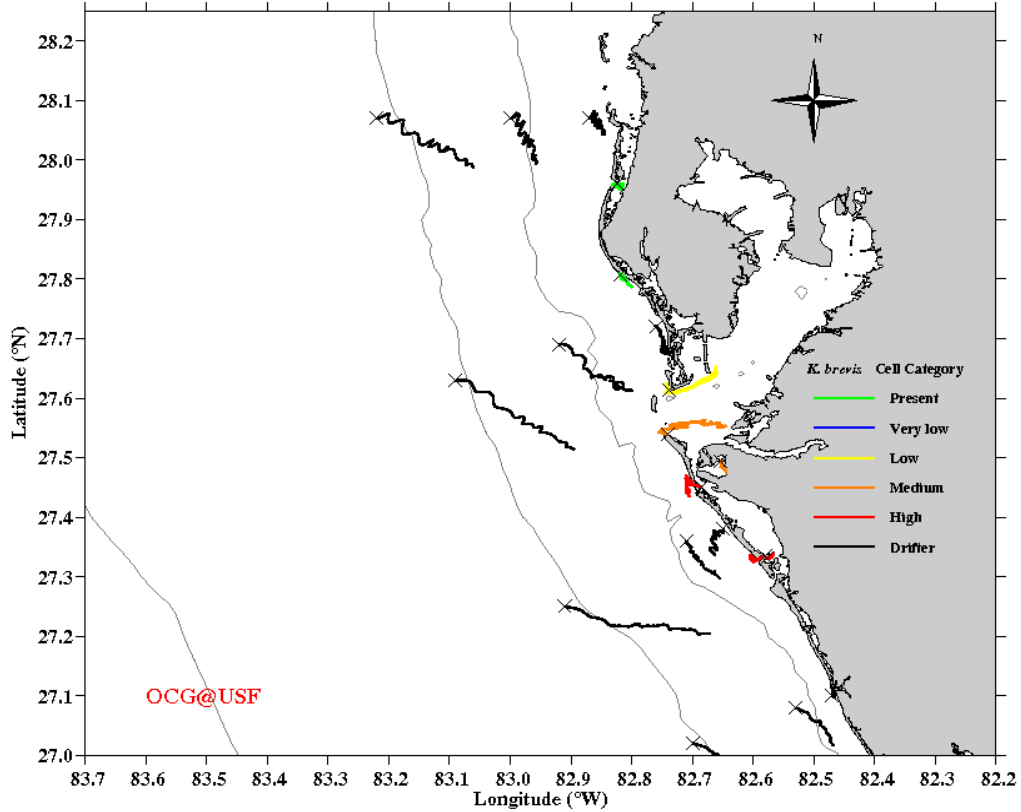
USF's current 5 day trajectory shows some northerly movement inshore and southerly movement offshore in the upper water column from the mouth of Tampa Bay north and southerly-onshore movement in the lower water column.

Current images are shown below and can be observed at [http://ocgweb.marine.usf.edu/hab\\_tracking/HAB\\_trajectories.html](http://ocgweb.marine.usf.edu/hab_tracking/HAB_trajectories.html)

HAB forecasted trajectories at upper water column from 08/14/2018 through 08/18/2018



HAB forecasted trajectories at lower water column from 08/14/2018 through 08/18/2018



There are several links on our website to other agencies monitoring the red tide situation including:

FWC: <http://myfwc.com/REDTIDESTATUS>

Mote Marine: <http://coolgate.mote.org/beachconditions/>

Pinellas County Environmental Management will be conducting additional monitoring to supplement FWC's current efforts. Reports will be updated daily or as soon as possible when monitoring results are available and will also be published to the Pinellas County Environmental News Facebook Page.