



## August 17, 2018 (afternoon) 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.

Wednesday 8/15/2018, County staff collected samples at the Ft. De Soto Bay and Gulf pier. Results showed very low and low concentrations of *K. brevis* respectively. Background concentrations were observed at John's Pass and no *K. brevis* was present at the La Contessa Pier in Redington Beach.

Thursday 8/16/2018, Results from the Gulf Pier and Bay Pier at Ft. De Soto still indicate very low and low concentrations. Background levels were found at John's Pass, and no *K. brevis* was observed at the La Contessa Pier in Redington Beach. Additionally, FWC reported very low levels of *K. brevis* from a sample collected on 8/13/2018 at William's Pier in Gulfport. Pinellas County has added this location for follow up monitoring today.

**Friday 8/17/2018**, Results from Ft. De Soto showed low concentrations of *K. brevis*. Background levels were found at John's Pass and at the La Contessa Pier in Redington Beach. No *K. brevis* was observed in samples collected from William's Pier in Gulfport.

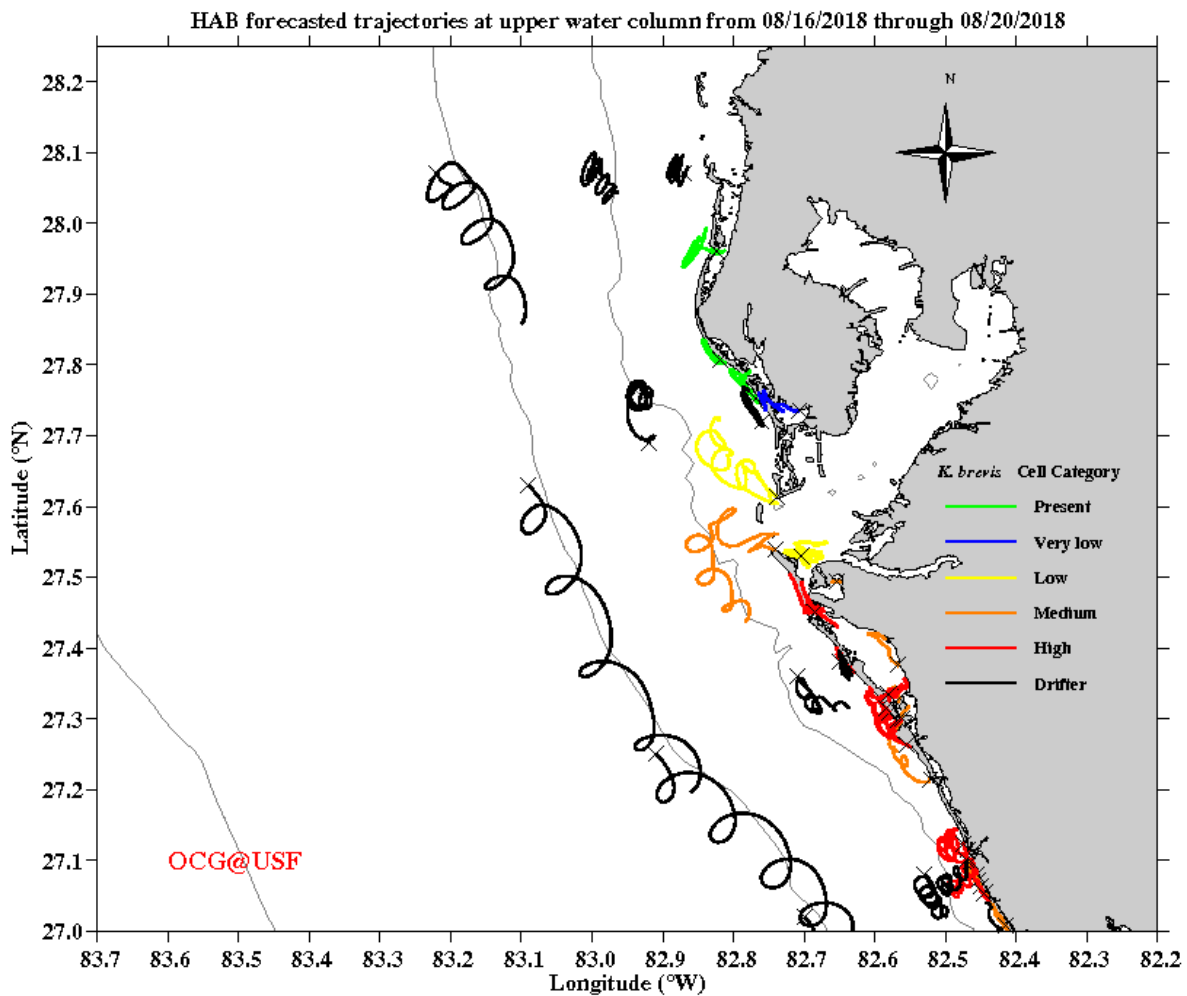
### Key for Results (Source FWC Website)

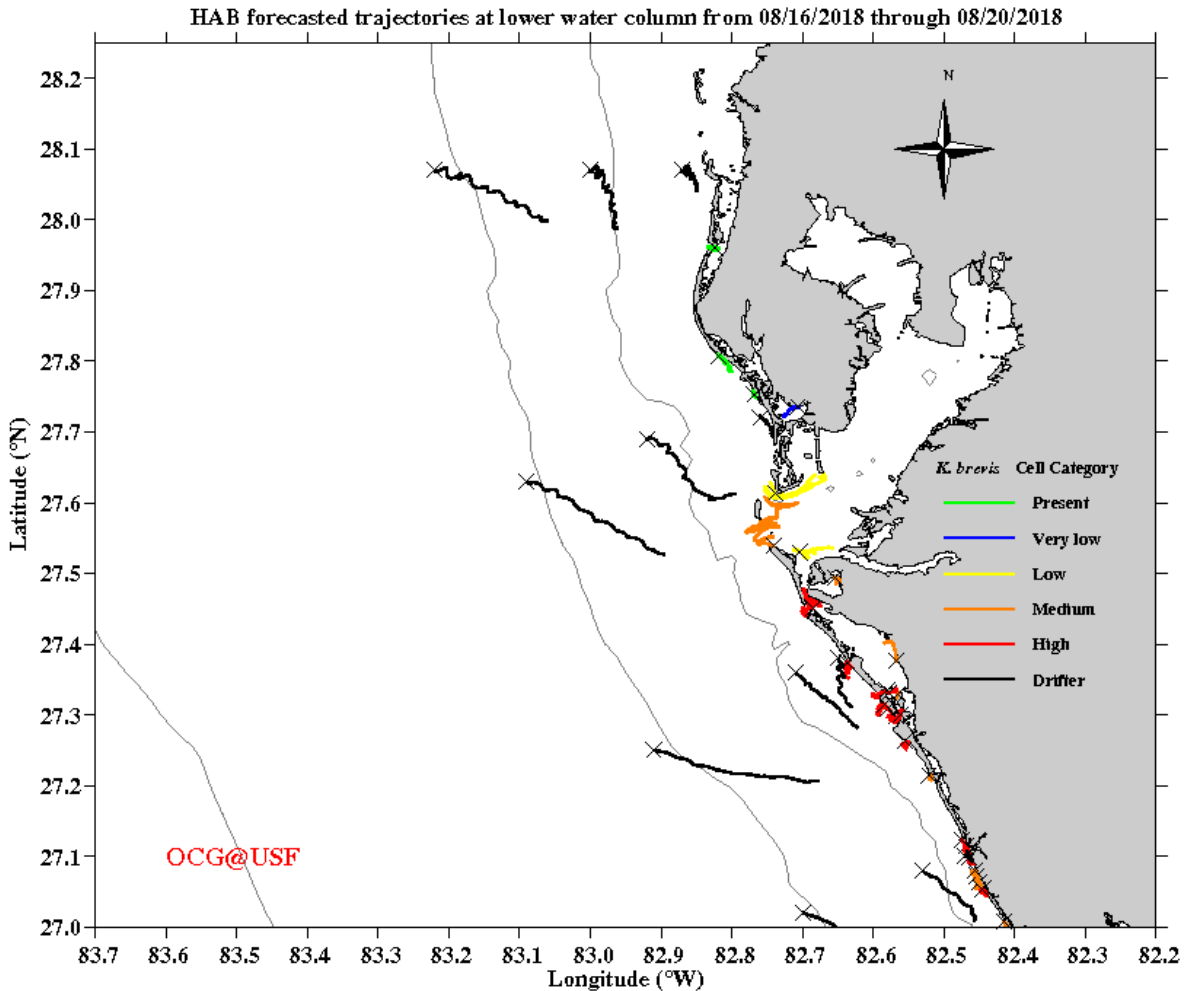
Description	<i>Karenia brevis</i> cells/liter	Possible Effects ( <i>K. brevis</i> only)
NOT PRESENT - BACKGROUND	background levels of 1,000 cells or less	None anticipated
VERY LOW	>1,000 to 10,000	Possible respiratory irritation; shellfish harvesting closures > 5,000 cells/L
LOW	>10,000 to 100,000	Respiratory 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. No red tide conditions were observed on 8/17/2018.

USF's current 5 day trajectory: Upper water column- some northerly-offshore movement of inshore currents and southerly movement of offshore currents north of the mouth of Tampa Bay and southerly movement south of the mouth of Tampa Bay. Lower water column: shows southeast-onshore movement.

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)





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.