

**Indian River Lagoon Conditions Update  
Internal Communication Report  
June 20, 2019**

The purpose of this monthly report is to provide District staff with a quick update on the most recent water quality conditions in the Indian River Lagoon and information on how to access other relevant data.

Continuous Monitoring

Continuous monitoring data may be found at: <http://webapub.sjrwmd.com/agws10/hdswq/>. For internal District users, data can be found on the through WebPortal at <http://aquaweb2/> or on IRL Wiki Page at <http://beohome/wiki/CmSpecialProjectsDataPage>.



Figure 1. Continuous monitoring stations.

### IRL Fish Kill Reports

The most up to date FWC fish kill reports can be found on the Fish Kill Hotline page at <https://public.myfwc.com/fwri/FishKillReport/searchresults.aspx>

### Phytoplankton Monitoring

Routine phytoplankton samples (Figure 2) are collected monthly and analyzed by University of Florida and FWC/FWRI for species composition and concentration. Additional bloom sampling is collected as needed. The following is a description of notable bloom conditions covering the past month.

Bloom concentrations of nanoplankton continue to be reported in May and June throughout Banana River Lagoon (BRL). Presence of *Pseudo-nitzschia* spp was reported at several locations throughout the past month. *Pyrodinium bahamense* was detected in northern and central Mosquito Lagoon and Parrish Park in Titusville in mid-June. *P. bahamense* was also detected southeast of NASA Causeway and at bloom concentrations at Harbor Pointe Marina in Titusville in late May. A bloom of *Heterocapsa* spp was reported in Port St. John the end of May.

Recent status of Red Tide can be found on FWC's website at

<https://myfwc.maps.arcgis.com/apps/View/index.html?appid=87162eec3eb846218cec711d16462a72>

### Seagrass Monitoring

If you are interested in seagrass transect results, please contact me directly. Seagrass mapping information is accessible on our website at <http://data-floridaswater.opendata.arcgis.com/>.

## Routine Water Quality Sampling

Water quality samples are collected monthly (Figure 2) in the Indian River Lagoon, Mosquito Lagoon, Banana River Lagoon and IRL tributaries. Analytes measured can be found at <http://webpub.sjrwmd.com/agws10/edqt/>. For internal users, data can be found at <http://beohome/wiki/IrlDataPage>.

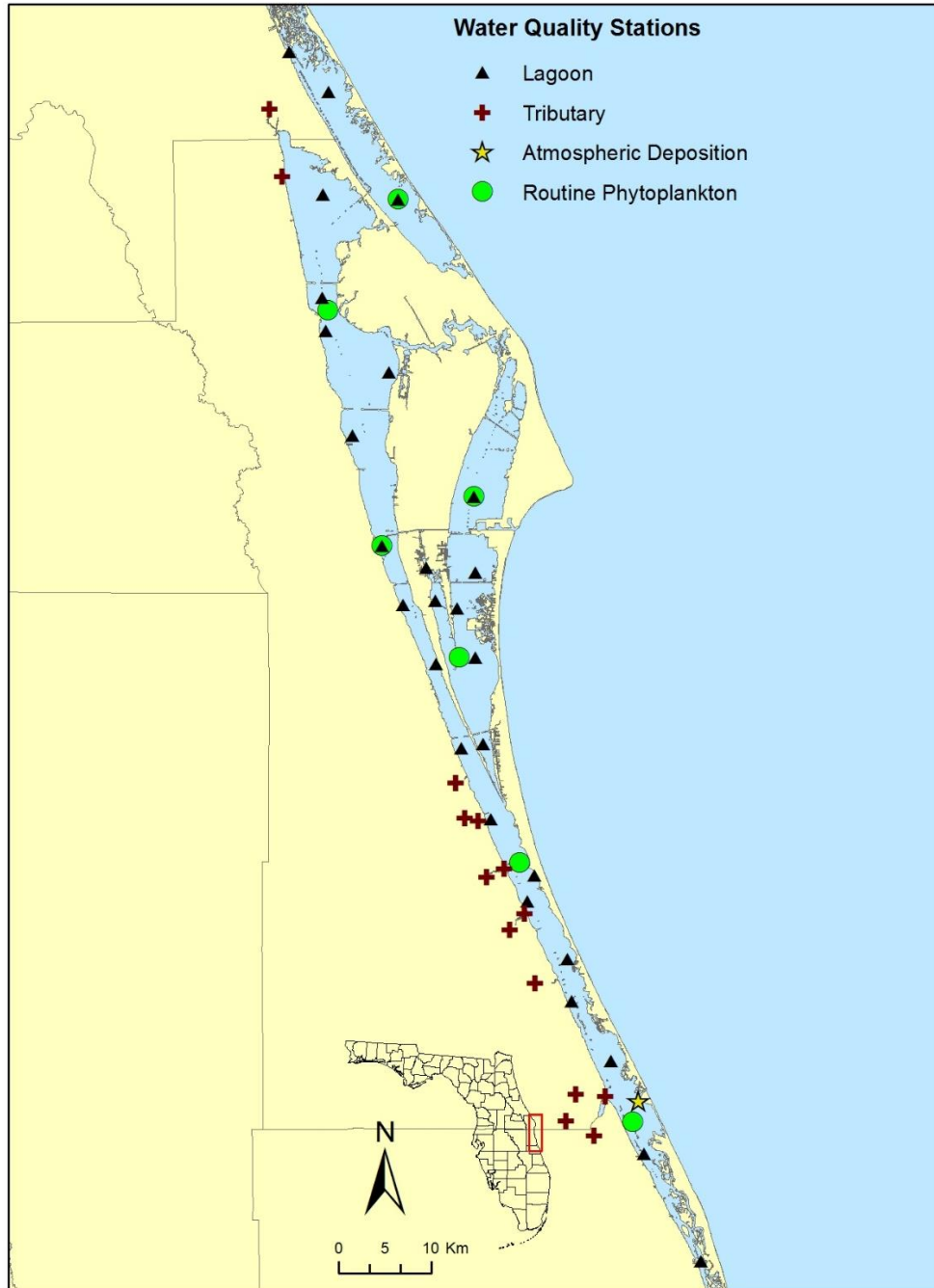


Figure 2. Routine water quality and phytoplankton monitoring stations.

The Secchi and laboratory analyzed chlorophyll-*a* results from the District routine monitoring during June are below (Figures 3 and 4). Please note that monitoring occurred between June 3-6 and may not represent current conditions.

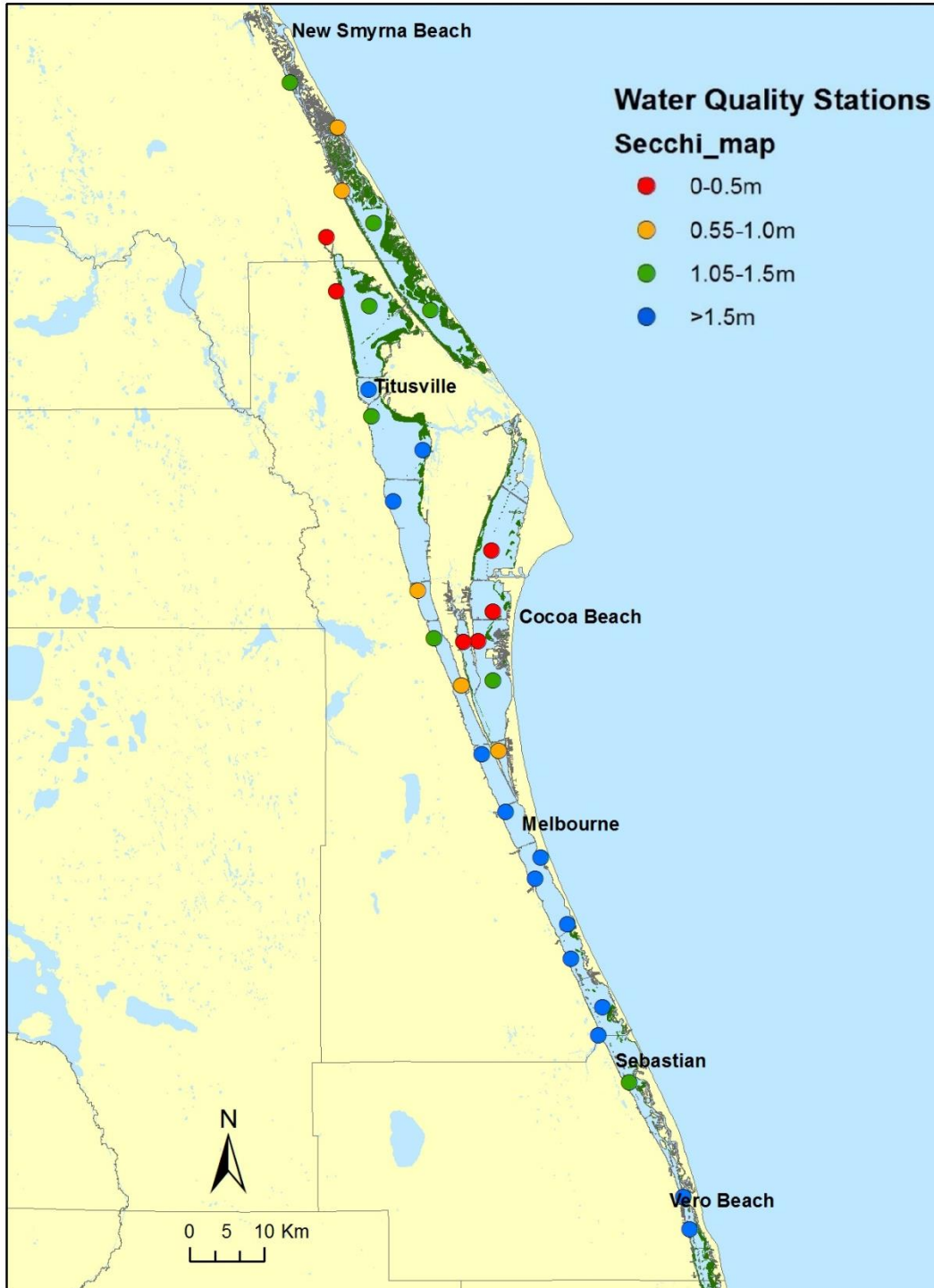


Figure 3. Secchi depths for routine water quality stations during June.

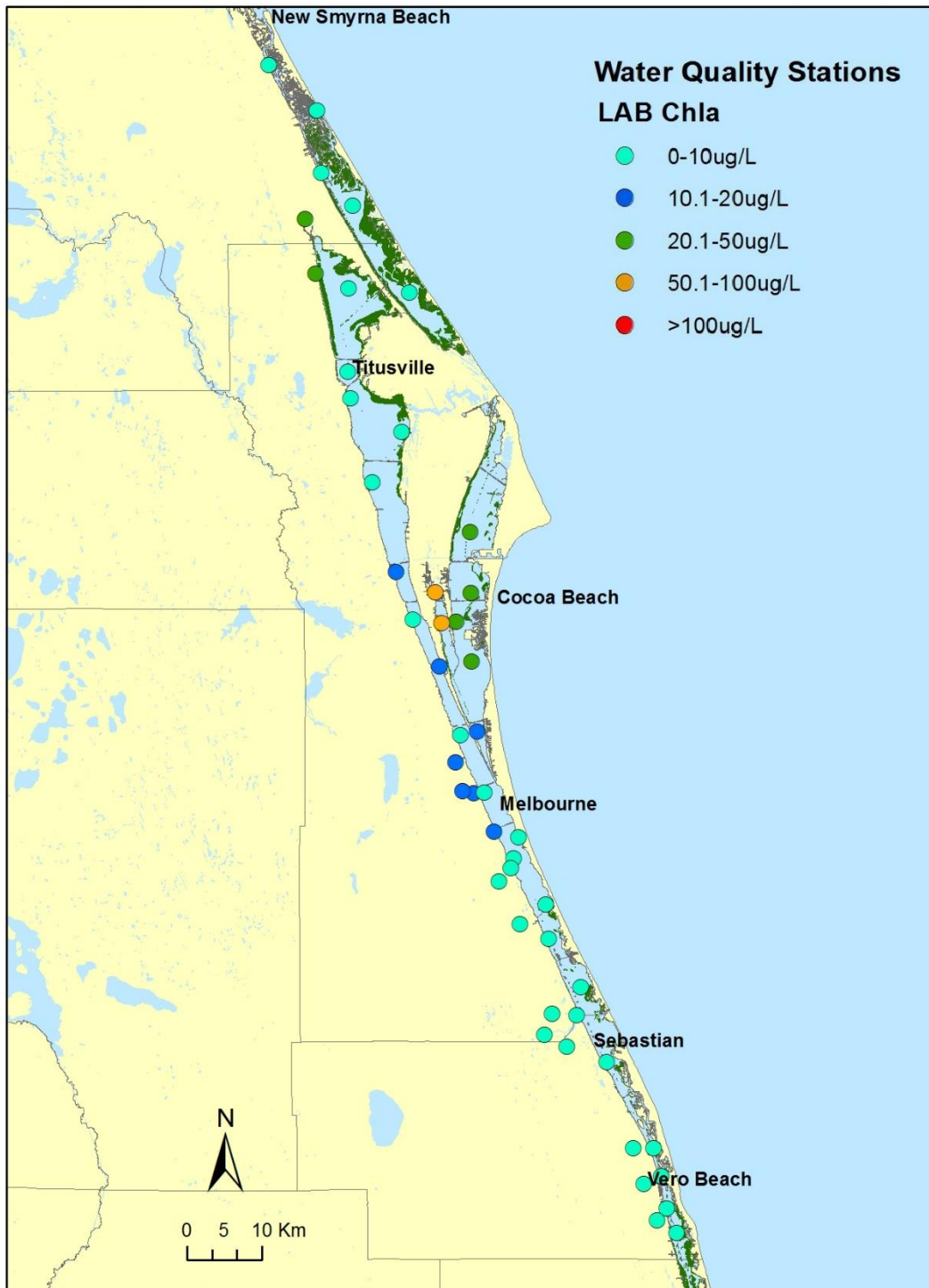


Figure 4. Lab analyzed chlorophyll-*a* for routine water quality stations during June.

Recent Imagery



Figure 5. Sentinel 2A image from June 5.