

# HARBOR BRANCH OCEANOGRAPHIC INSTITUTE FOUNDATION

Supporting Meaningful Oceanographic Research at FAU Harbor Branch  
YESTERDAY, TODAY, TOMORROW

## Land/Ocean Biogeochemical Observatories (LOBOs) for Intensive, Real-Time Water Quality Sampling in The Indian River Lagoon **\$559,295**

In 2015, because the Harbor Branch Oceanographic Institute Foundation Board of Directors wanted to do something to address the growing issues of concern with the health of the Indian River Lagoon, it awarded \$559,295 to provide funds to purchase and provide operational support for three LOBO units to be deployed in St. Lucie and Indian River Counties and to bolster the existing Harbor Branch Oceanographic Institute Indian River Lagoon Observatory Water Quality Network LOBOs network.

*IRLO research and education activities are being enhanced by the deployment of an estuarine observation network of land/ocean biogeochemical observatory (LOBO) units and weather sensors to provide real-time, high-accuracy and high-resolution water quality/weather data through a dedicated interactive website.*

*We have ten IRLON sites in the Indian River Lagoon (IRL) and St. Lucie Estuary (SLE). Four sites in Indian River County and St. Lucie County are made possible by funding from FAU Harbor Branch, a grant from the Harbor Branch Oceanographic Institute Foundation, and grants from Florida's Save Our Seas specialty license plate. Five sites in the St. Lucie Estuary (SLE) and nearby IRL are funded by the 2014 State Legislative Budget through the Florida Department of Environmental Protection (FDEP). A tenth site, made possible by the South Florida Water Management District, is located in the SLE near the St. Lucie (C-44) Canal. All of these sites are ecologically important because of the dynamic interface between oceanic water from the inlets with freshwater inputs from rivers, canals, and Lake Okeechobee. (From <http://www.fau.edu/hboi/irlo/irlon.php>)*

The Indian River Lagoon Observatory Water Quality Network provides real-time, high-accuracy weather and water quality data.  
For more information, please visit: <http://fau.loboviz.com>

**OUR COMMITMENTS: YESTERDAY, TODAY, TOMORROW**  
HBOIF looks forward to continuing to serve FAU Harbor Branch by realizing the founder's vision of fostering meaningful oceanographic research and ensuring FAU Harbor Branch remains the premier leader for  
*Ocean Science for a Better World*®