

## Establish an Endowment for Marine Science & Conservation Collections at Duke University Libraries

Duke University Libraries are committed to providing top-tiered support for Marine Science & Conservation at Duke University. Duke University Libraries have supported the University's Marine Field Station in Beaufort, NC since its inception in 1937. In the early years, the collection focused on the geology of the surrounding local area and the nearby continental shelf. While these areas of study remain foundational, Duke research has grown to incorporate the expansive geographic range of study and analysis across the global oceans, emphasizing inter- and interdisciplinary expertise.

Accelerating technological advancements in the coastal lab, aboard research vessels, and autonomous vehicles advance best practices for species study and conservation from local to global marine populations. The pressing influences of climate change across all marine habitats acutely shape today's research and pedagogical directions. In addition, deep understanding of human communities in coastal regions and habitats calls for research into the effective management and conservation of marine life sustainable livelihoods.

### **Establish a restricted collection endowment (\$300,000)**

A collection endowment will allow the Libraries to continue to build traditional collections, as well as support NSOE's Marine Science & Conservation Division's ambitious new initiatives. Expanded resources will focus on key areas of study and research at Duke's Marine Laboratory, including changes to marine systems wrought directly or indirectly through new technologies, climate change and policy initiatives. These include, but are not limited to:

- Advancing technologies (unmanned aerial systems) that enhance data collection and population assessment/conservation at the Marine Robotics & Remote Sensing (MaRRS) Lab;
- Farming marine microalgae through MAGIC (Marine ALGae Industrialization Consortium) in order to develop a potential protein source for global aquaculture efforts and for human consumption;
- Developing policy initiatives for protecting marine species and mitigating environmental damage to rare and unique habitats during deep seabed mineral extraction;
- Evaluating marine mammal populations at risk from an ever increasing anthropogenic-created noise and crowded habitats.

A restricted collection endowment will support both the teaching and research missions of the University. It will also enhance Duke's reputation as a major site for conducting research in Marine Sciences & Conservation.