Harmful Algal Bloom (HAB) Plan

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SECOORA

Current Harmful Algal Bloom Work

Supports

- FWRI, NOAA's AOML, USF, and Mote Marine Lab to monitor and model Karenia brevis on the West Florida Shelf
- Buoys, gliders, and ship-based field surveys targeting key bloom dynamics and satellite remote sensing to observe surface optical properties
- USF Sargassum modeling using satellite remote sensing

- Hosts a Red Tide Resources page:
  - https://secoora.org/red-tide-data-resources-for-florida/
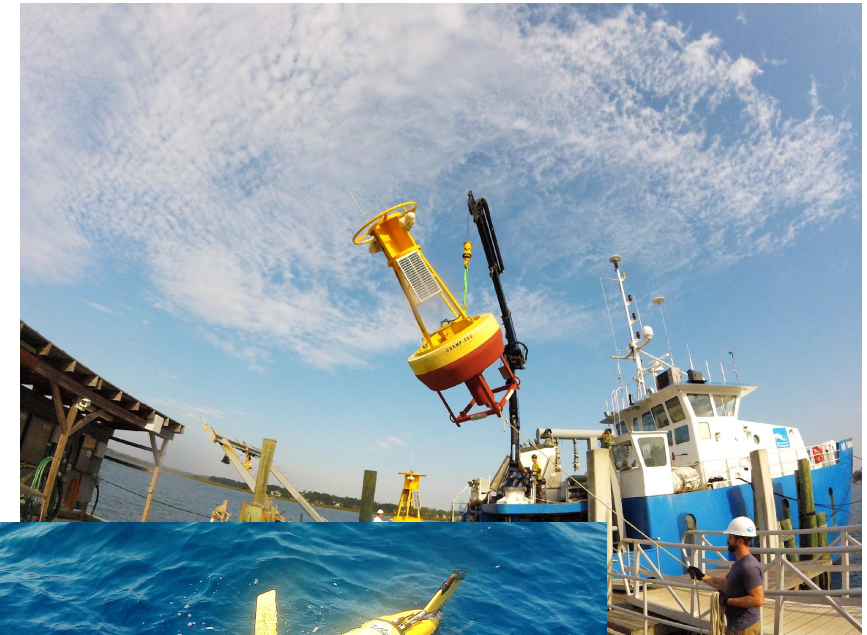
Harmful Algal Bloom Plan

- Addendum to the SECOORA Regional Coastal Ocean Observing System Strategic Operational plan
  - Establishes priorities for contributing to our improved understanding, management, and stewardship of valued coastal ocean resources

- Serves as a guide for future investments in HAB observing and monitoring in the SECOORA region
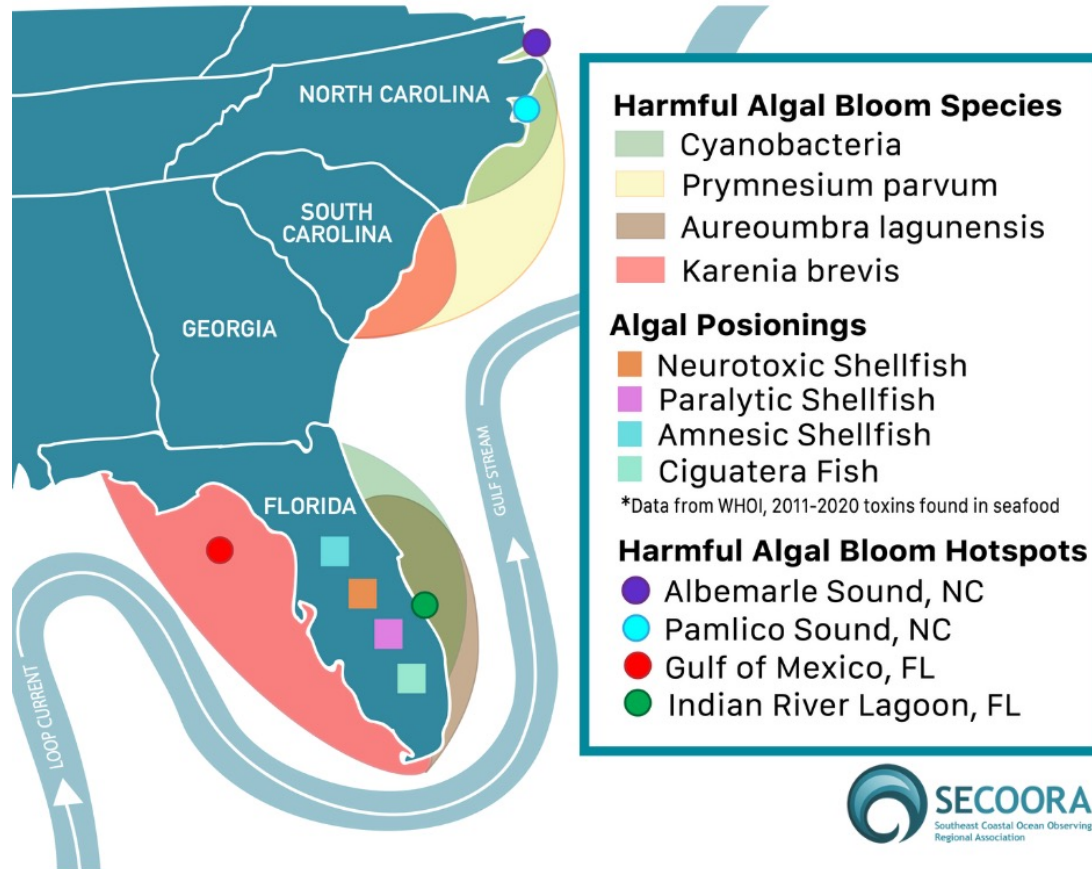

SECOORA
Southeast Coastal Ocean Observing
Regional Association

Harmful Algal Bloom Plan

This document is an addendum to the Southeast Coastal Ocean Observing Regional Association (SECOORA) Regional Coastal Ocean Observing System Strategic Operational (RCOOS) plan, which establishes priorities for contributing to our improved understanding, management, and stewardship of valued coastal ocean resources. This document will serve as a guide for future investments in harmful algal bloom (HAB) observing and monitoring in the SECOORA region.

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Harmful Algal Bloom Plan

Harmful Algal Bloom Species
- Cyanobacteria
- Prymnesium parvum
- Aureoumbra lagunensis
- Karenia brevis

Algal Posionings
- Neurotoxic Shellfish
- Paralytic Shellfish
- Amnesic Shellfish
- Ciguatera Fish

*Data from WHOI, 2011-2020 toxins found in seafood

Harmful Algal Bloom Hotspots
- Albemarle Sound, NC
- Pamlico Sound, NC
- Gulf of Mexico, FL
- Indian River Lagoon, FL

SECOORA's Harmful Algal Bloom Plan identifies regional HAB Hotspots and existing HAB monitoring investments.

https://secoora.org/documents/

HAB funding opportunity coming soon!

SECOORA will release an RFP ~$200,000 to support HAB monitoring.