

# SEAMAP-SA

(SouthEast Area Monitoring and Assessment Program)

(South Atlantic)

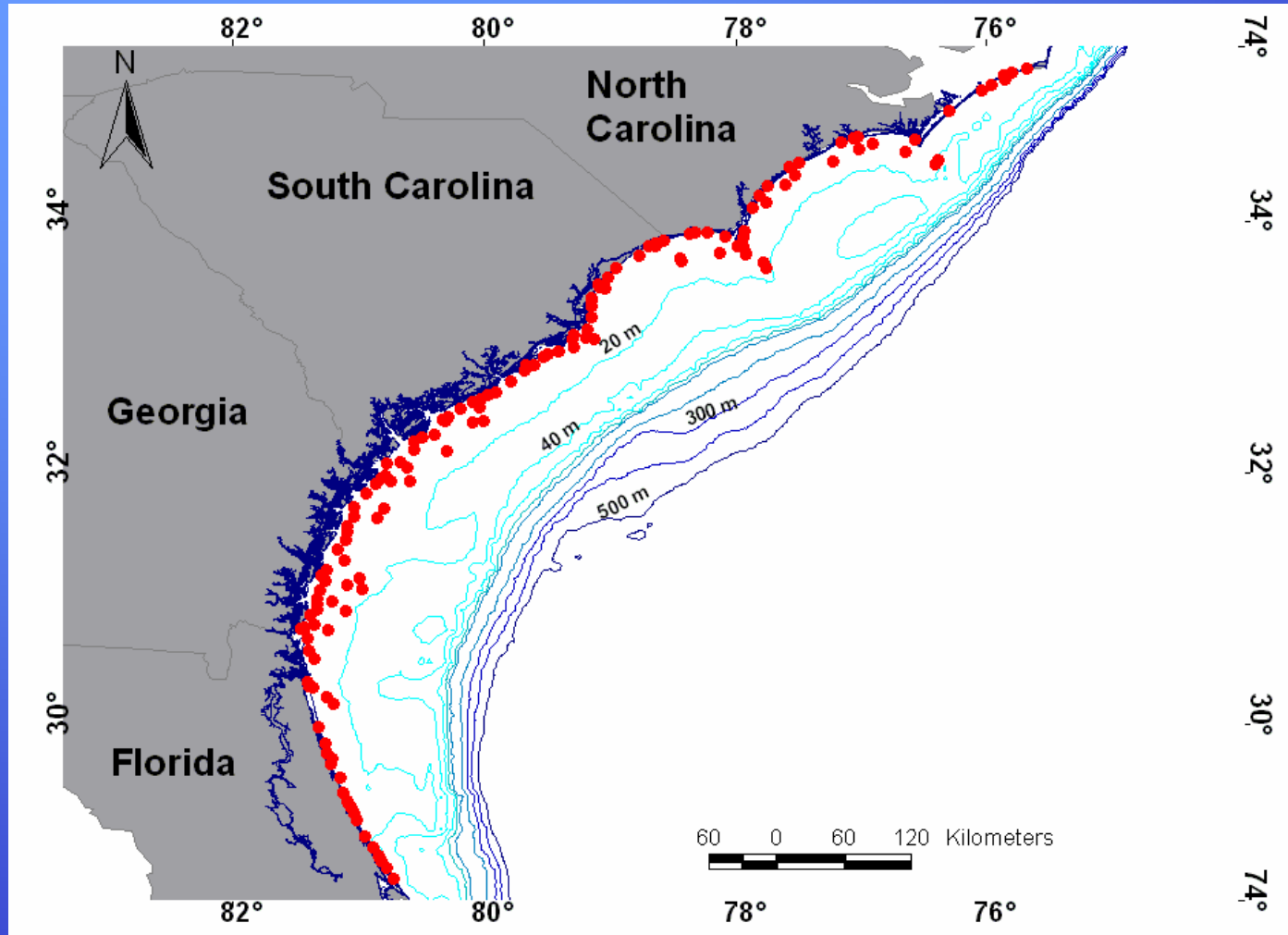
Shallow Water Trawl Survey



# The Shallow Water Trawl Survey

- Funded by NOAA's National Marine Fisheries Service
  - State / Federal Cooperation
  - Cape Hatteras, NC to Cape Canaveral, FL
- Provides fisheries managers with long-term data
  - Fishery-independent
  - Monitor stocks year after year
  - Able to provide historic data on a broad range of species
- Only long-term trawl survey of near-shore South Atlantic Bight
  - Data from 1986 to present

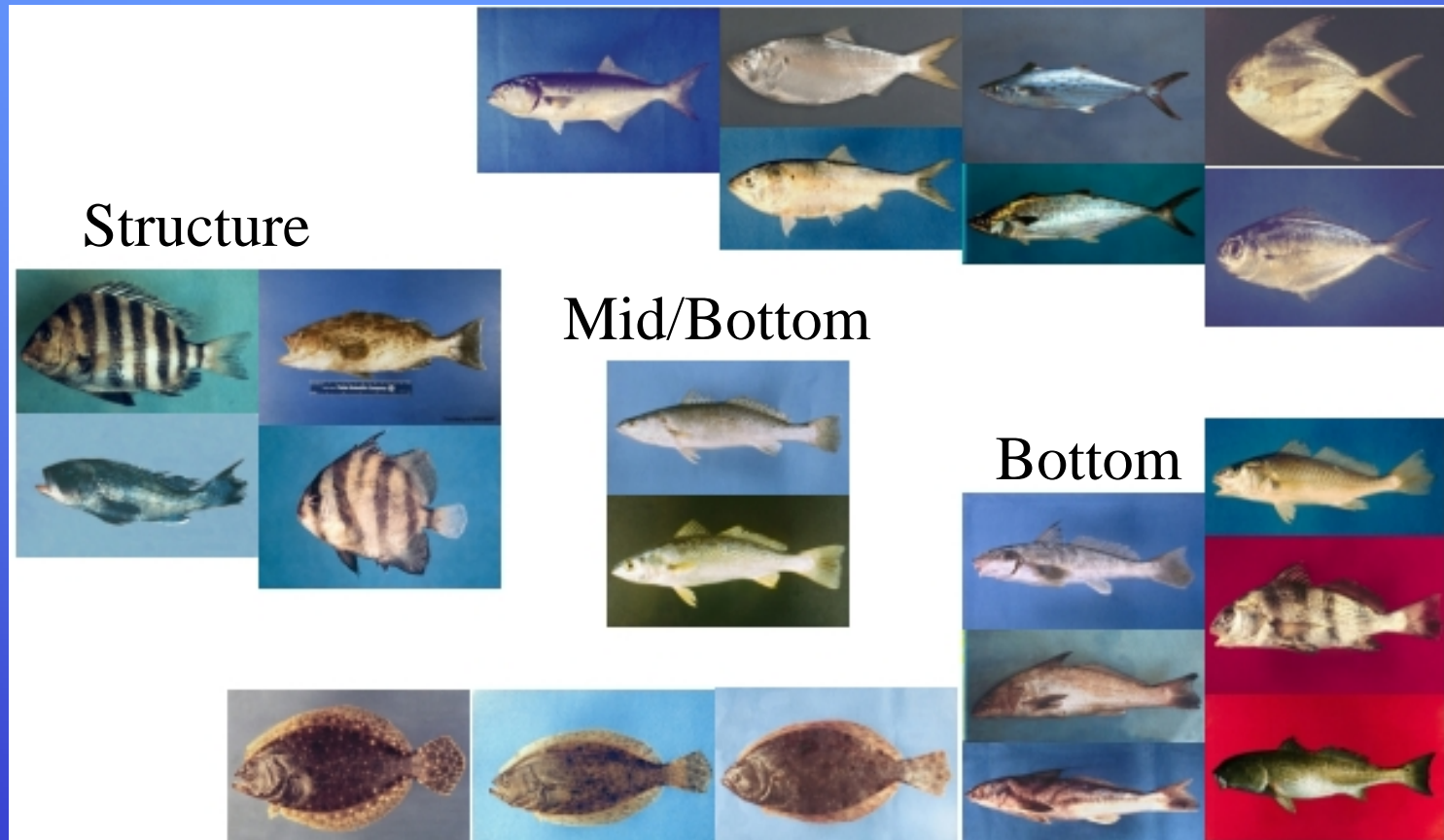
# SEAMAP Stations





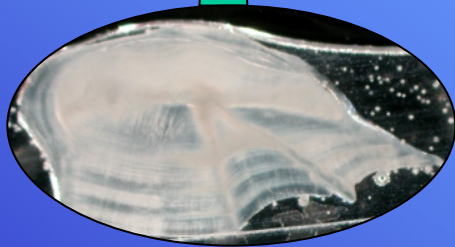
# Priority finfish grouped by general habitat preference

Surface

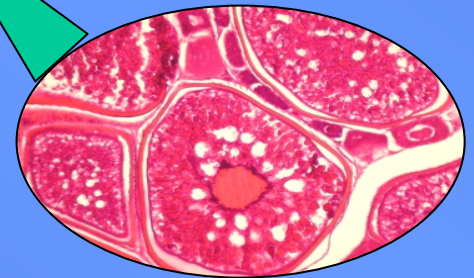


# Age-Growth / Reproduction

Otoliths are removed to determine the age of the fish



Gonadal tissue is removed to determine reproductive stage



# Types of data

## Annual / Seasonal / Regional

Species occurrence

Species abundance

Biomass

## Life History

Age-growth

Maturity

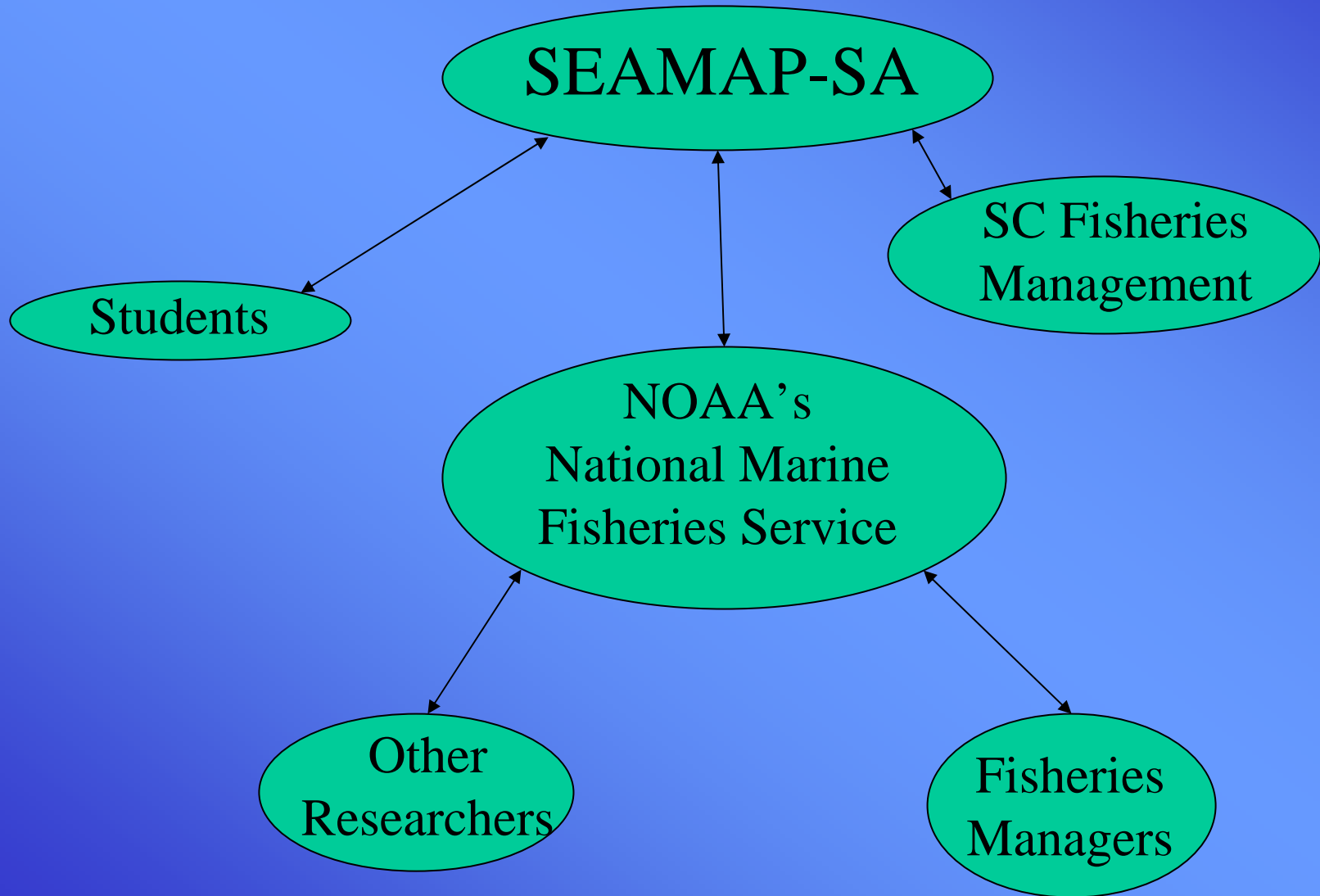
## Hydrographic data

Salinity

Temperature

Wave height

# Flow of Information.



# Uses of SEAMAP Data

- Fisheries Management Plans
  - Stock Assessment
  - VPA
- Genetics
  - Species identification
  - Stock identification
- Essential Fish Habitat
  - Bottom mapping
  - Nursery areas
- Life History
- Graduate student research
- Systematics
- Disease studies
- Toxicology
- Forensics
- Marine turtle monitoring