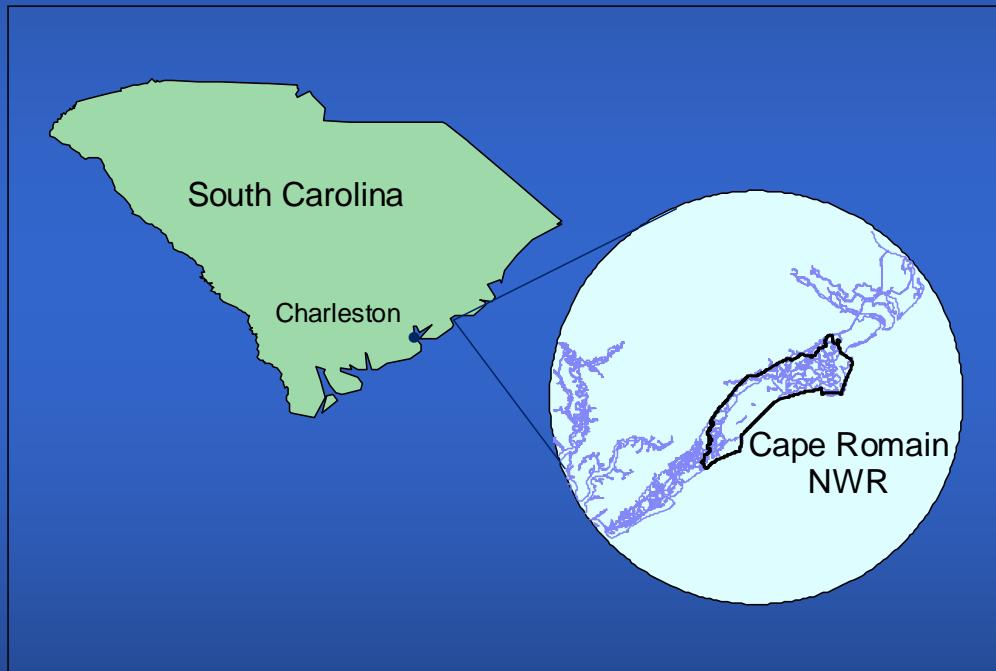


Characterization of Cape Romain National Wildlife Refuge

Jill Jennings and Laura Kracker

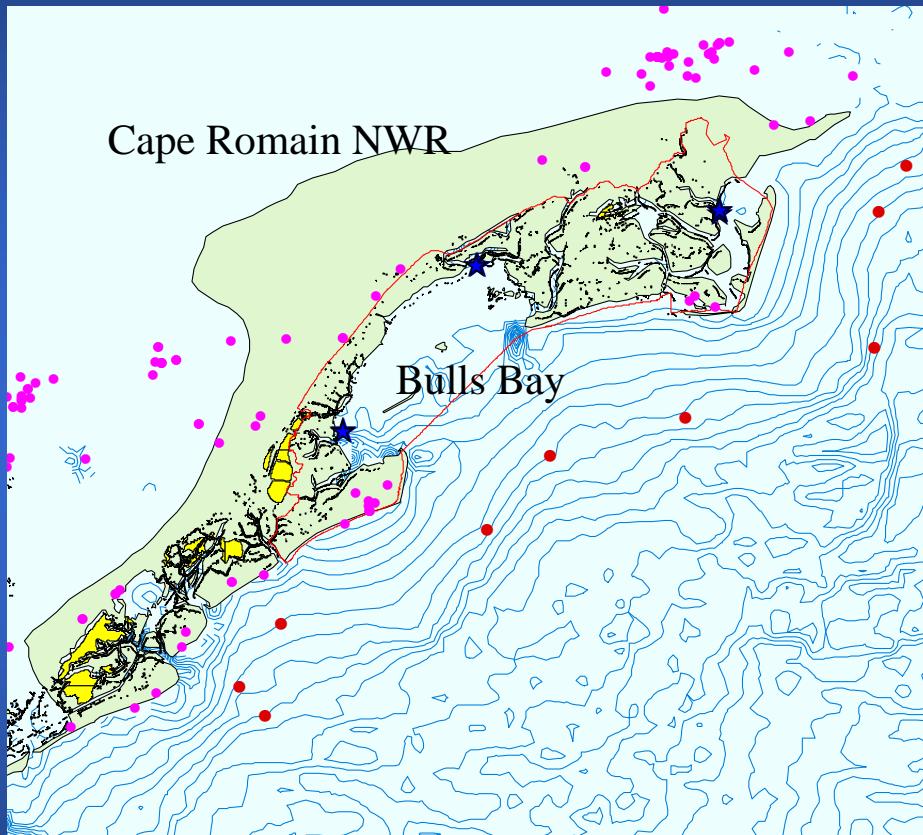


GOAL: To better understand ecological function
and potential impacts at Cape Romain NWR



Bull Island
Cape Romain National Wildlife Refuge

OBJECTIVE: Link fisheries information to landscape processes and intertidal environments



★ Bulls Bay Sediment Survey (Sept 98)

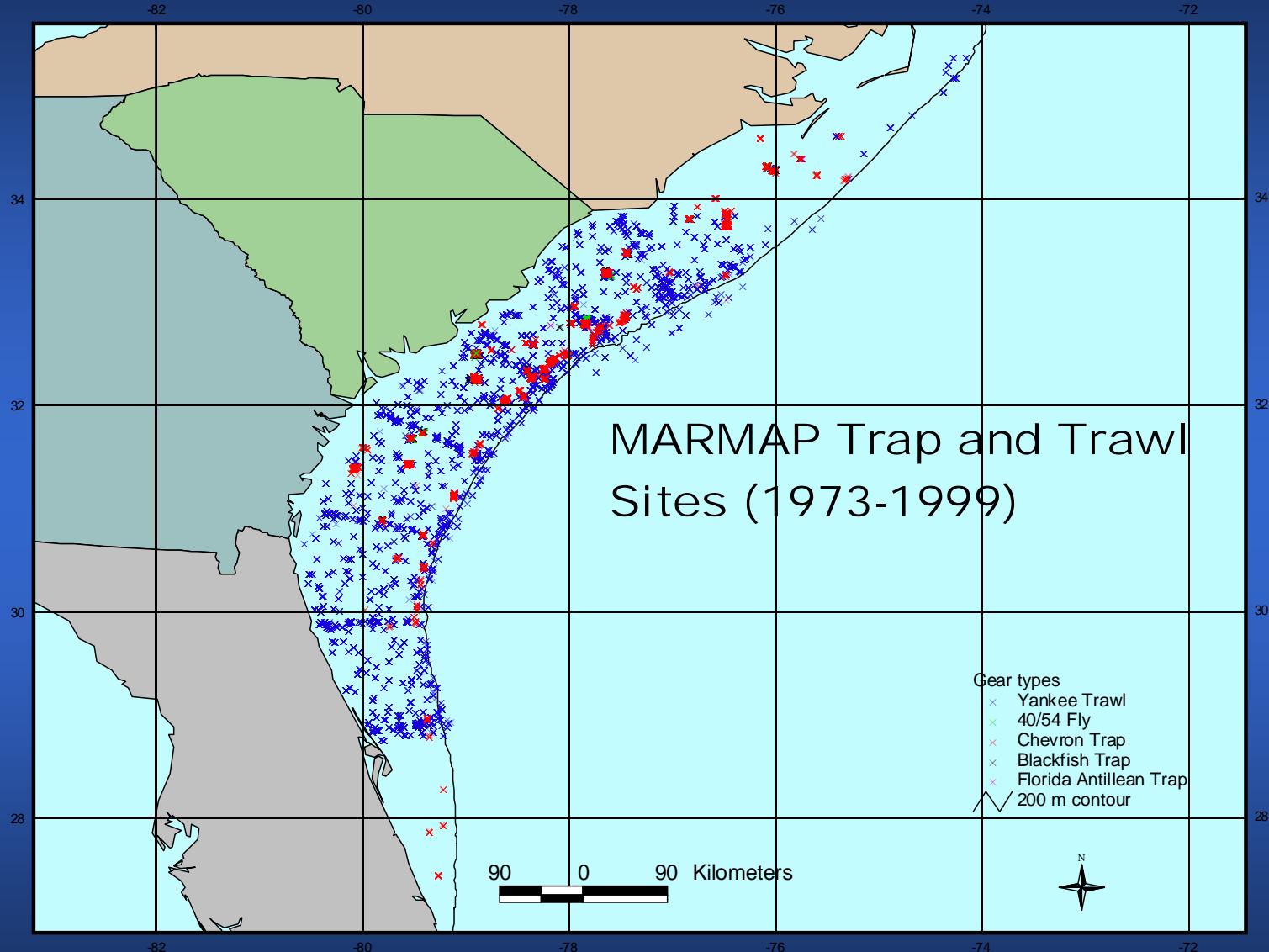
● SEAMAP Stations

● Endangered Species

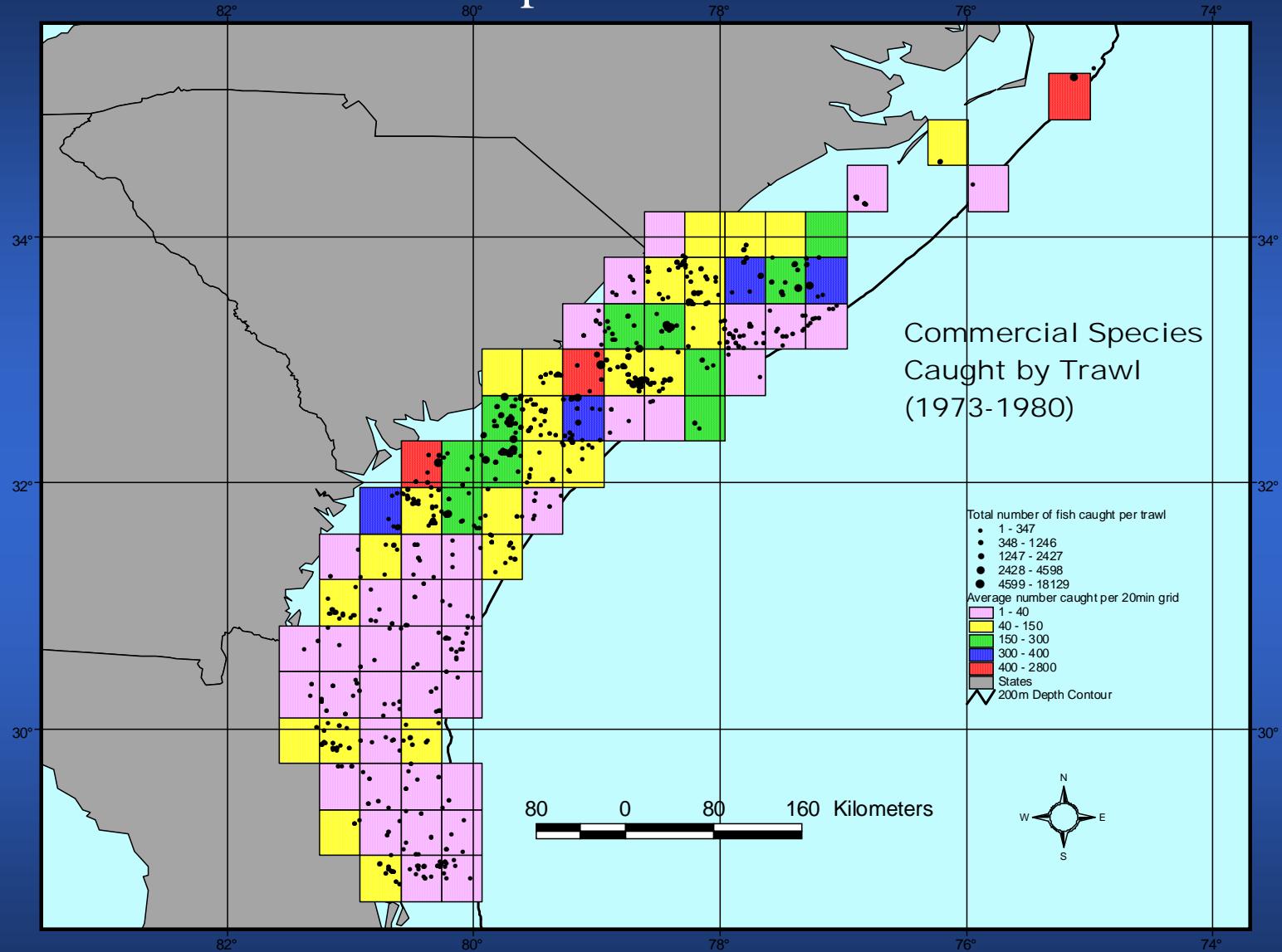
Oyster Beds

Water Depth

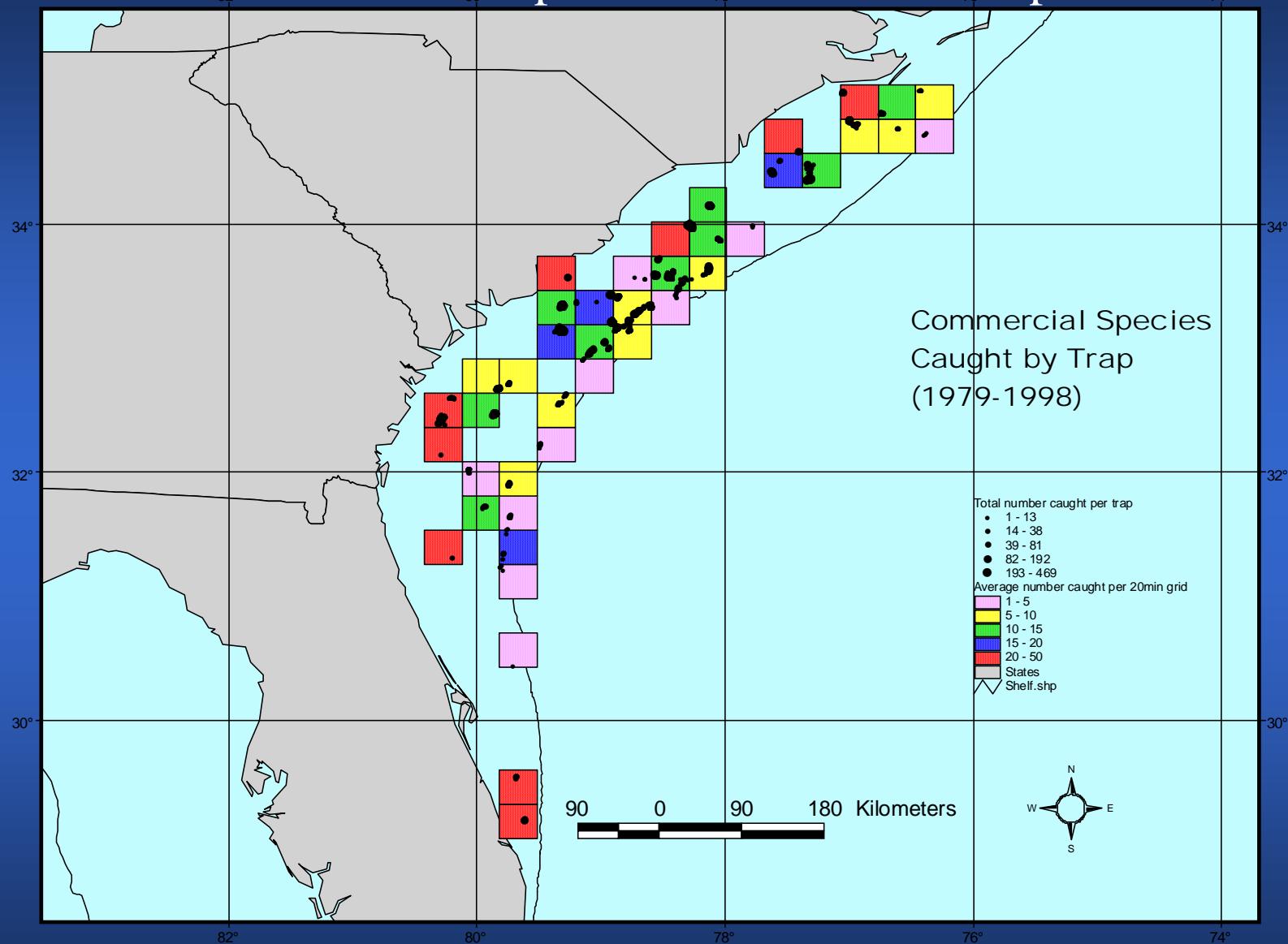
MARMAP trap and trawl sites



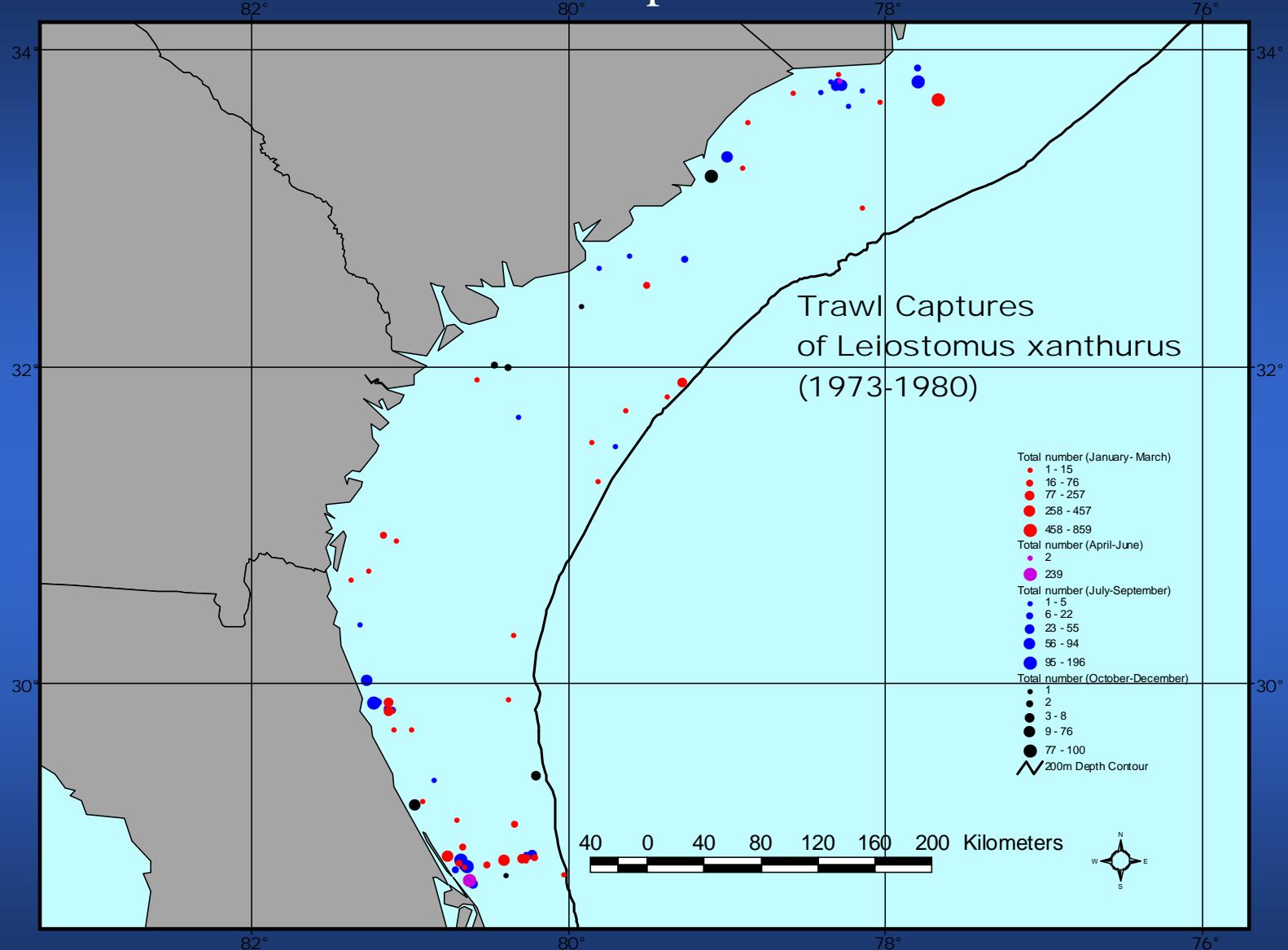
Commercial species in MARMAP trawls



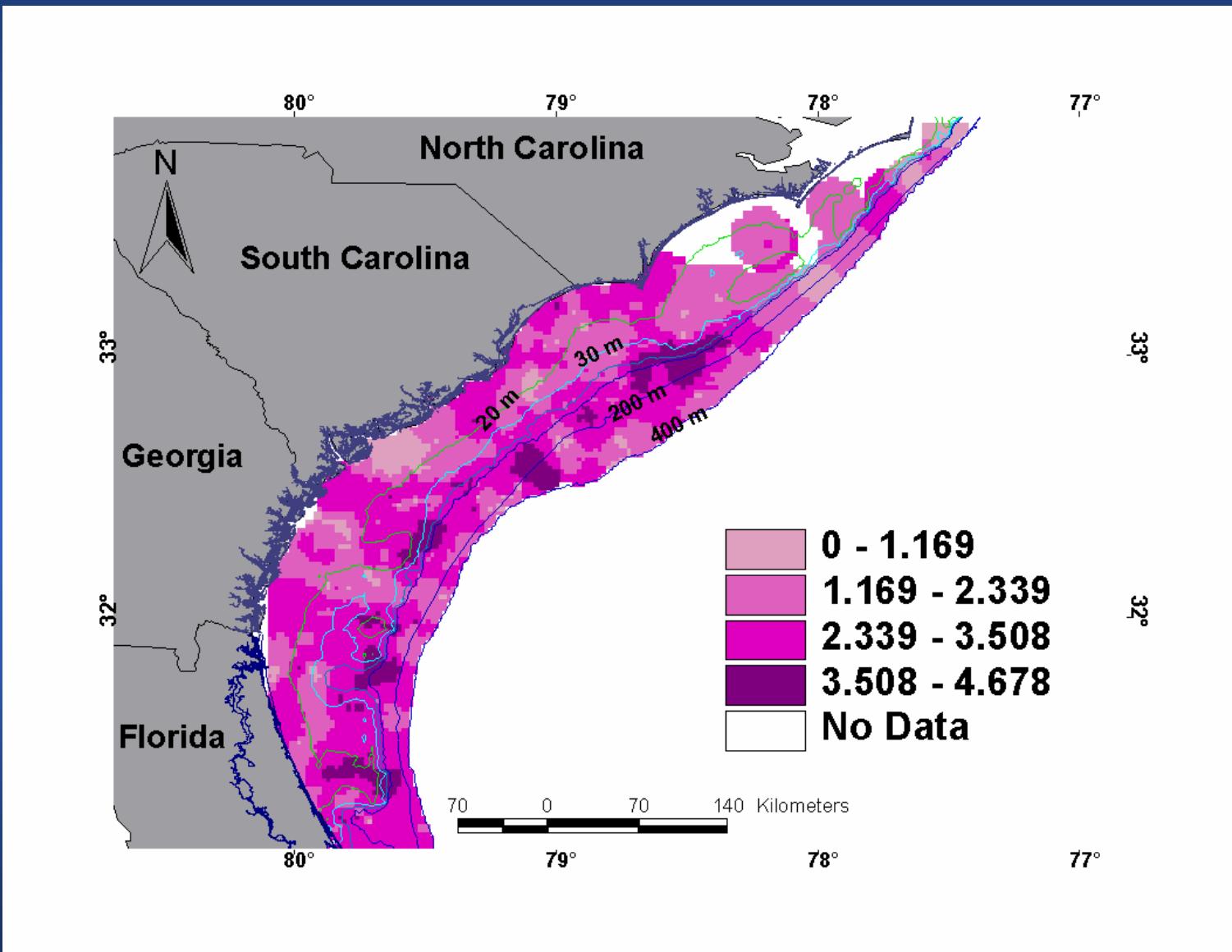
Commercial species in MARMAP traps



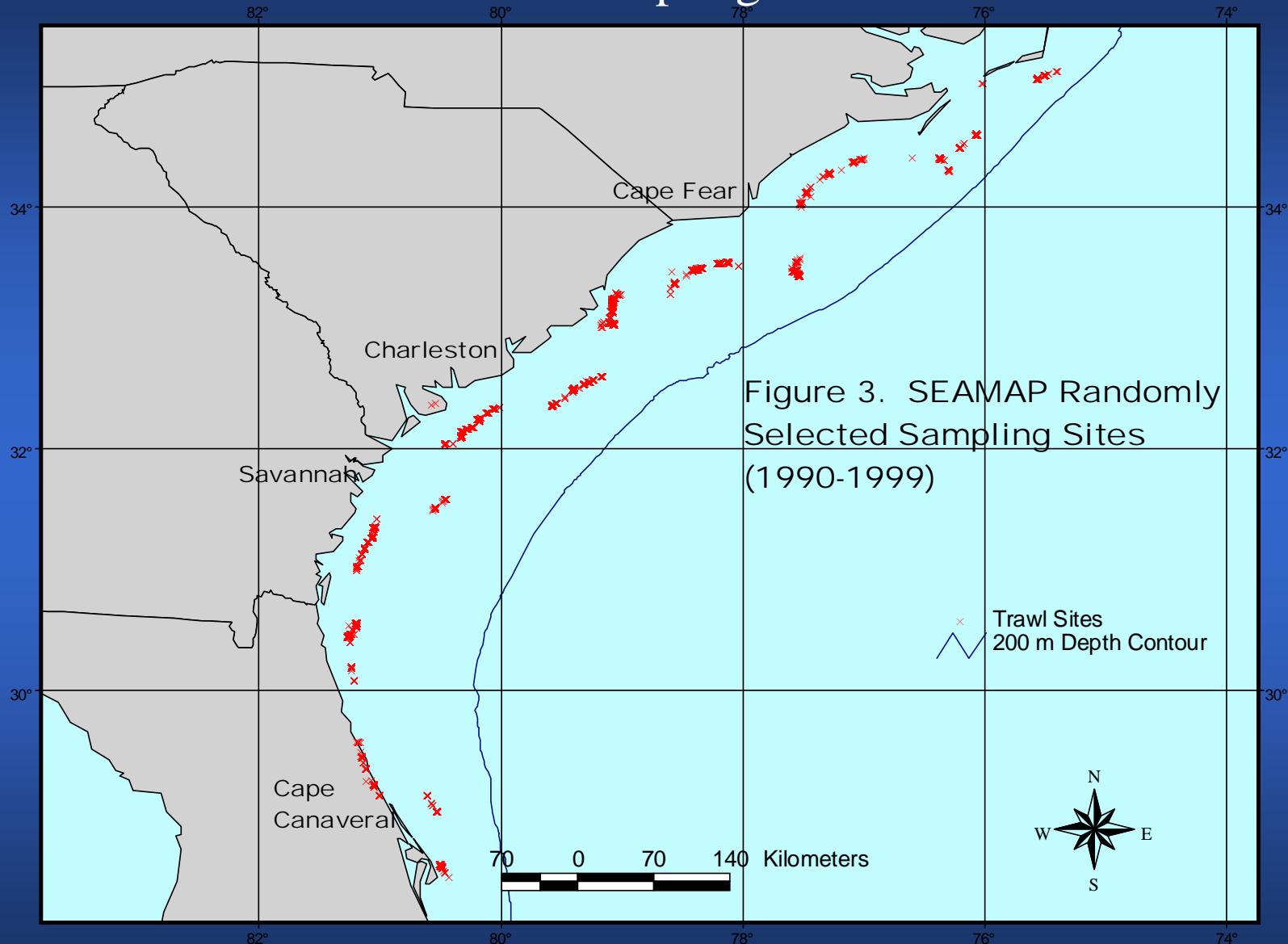
Seasonal abundance of Spot in MARMAP trawls



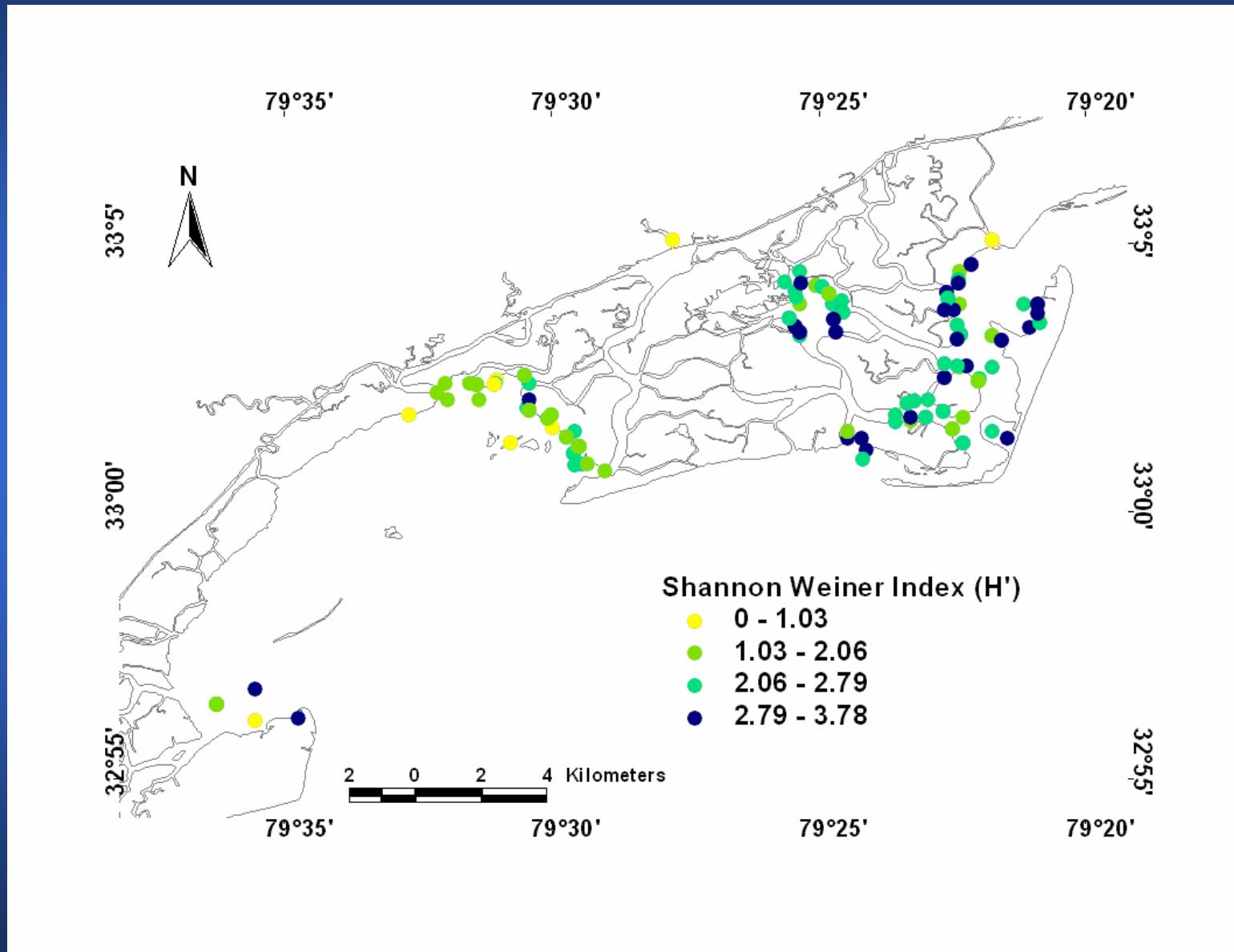
Diversity index based on 1973-1980 MARMAP trawls



SEAMAP sampling sites



Diversity index based on 1989-1999 SCDNR inshore surveys



Directions and Opportunities

- Function of the Refuge as fisheries habitat
- GIS for coastal landscape and fisheries applications
 - visualization
 - spatial analysis and statistics
- Examine links between land-based activities and intertidal/marine environments to better understand ecosystem function