#### CCRI – Marine Sciences UPRM



## Initial Tasks

- Capacity Building
- Relationship to Geomorphology
- Characterization

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# Diver Training

- 5 Divers
- 3 Graduate Students
- Mixed-gas rebreathers
- 100 m range (currently at 70 m)
- Integrated with NURC UNC-Wilmington



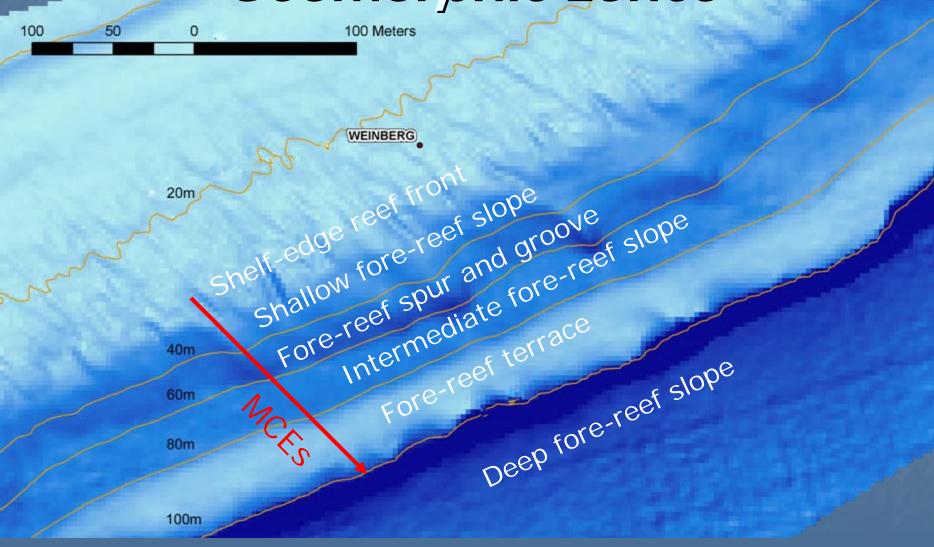
### Geomorphology of the Slope

- The geomorphology of the upper insular slope exerts a fundamental control on the location and distribution of mesophotic coral ecosystems (MCEs)
- The topography of the slope directs downslope sediment movement and provides topographic highs conducive to coral growth

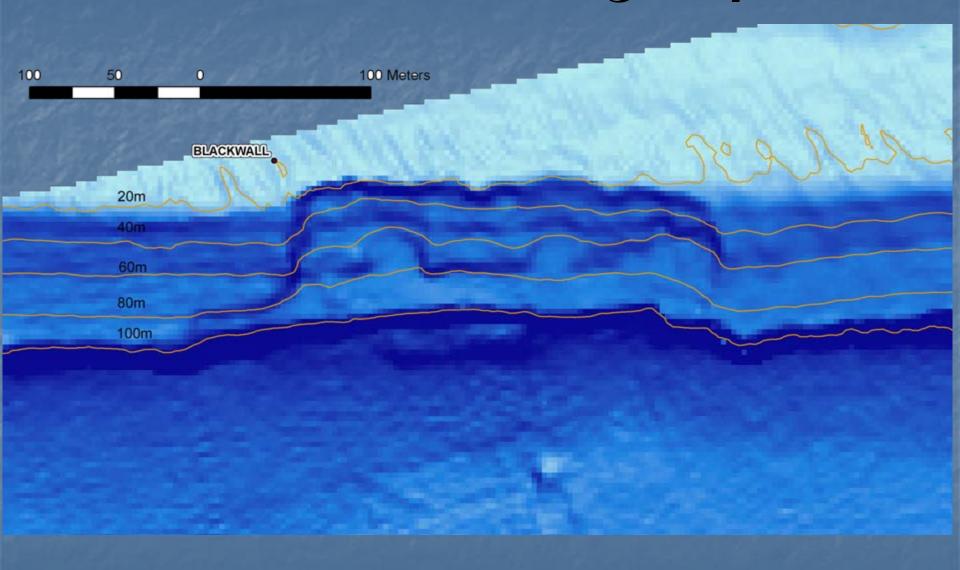
# Geomorphology varies by location along the shelf







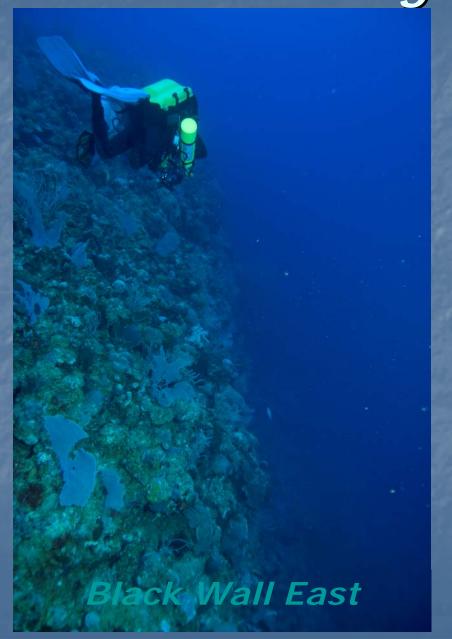
#### Southwest-facing slope



#### Shelf-edge reef front



#### Shelf-edge reef front

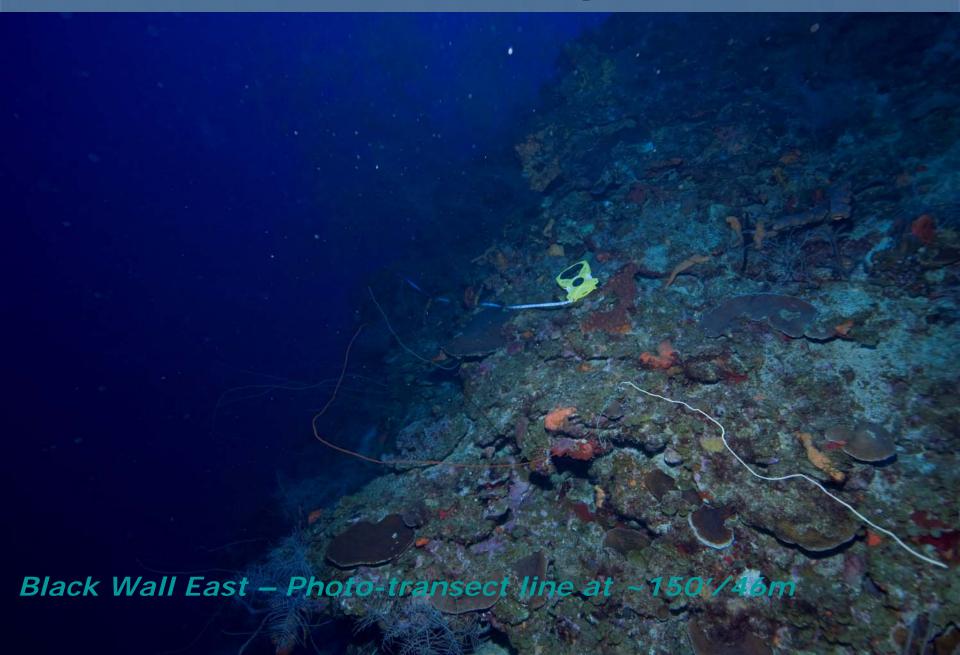








#### Fore-reef spur



#### Intermediate fore-reef slope





# Corals develop on raised areas



