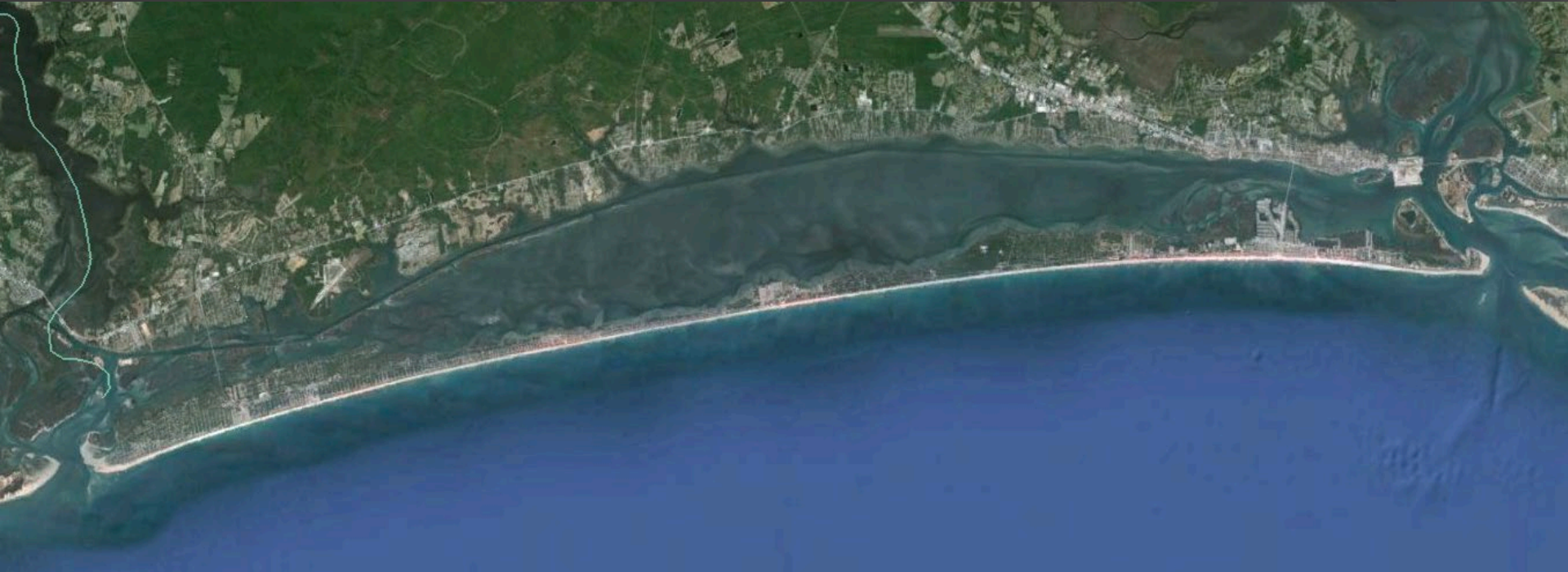


Section 2. Moving Islands

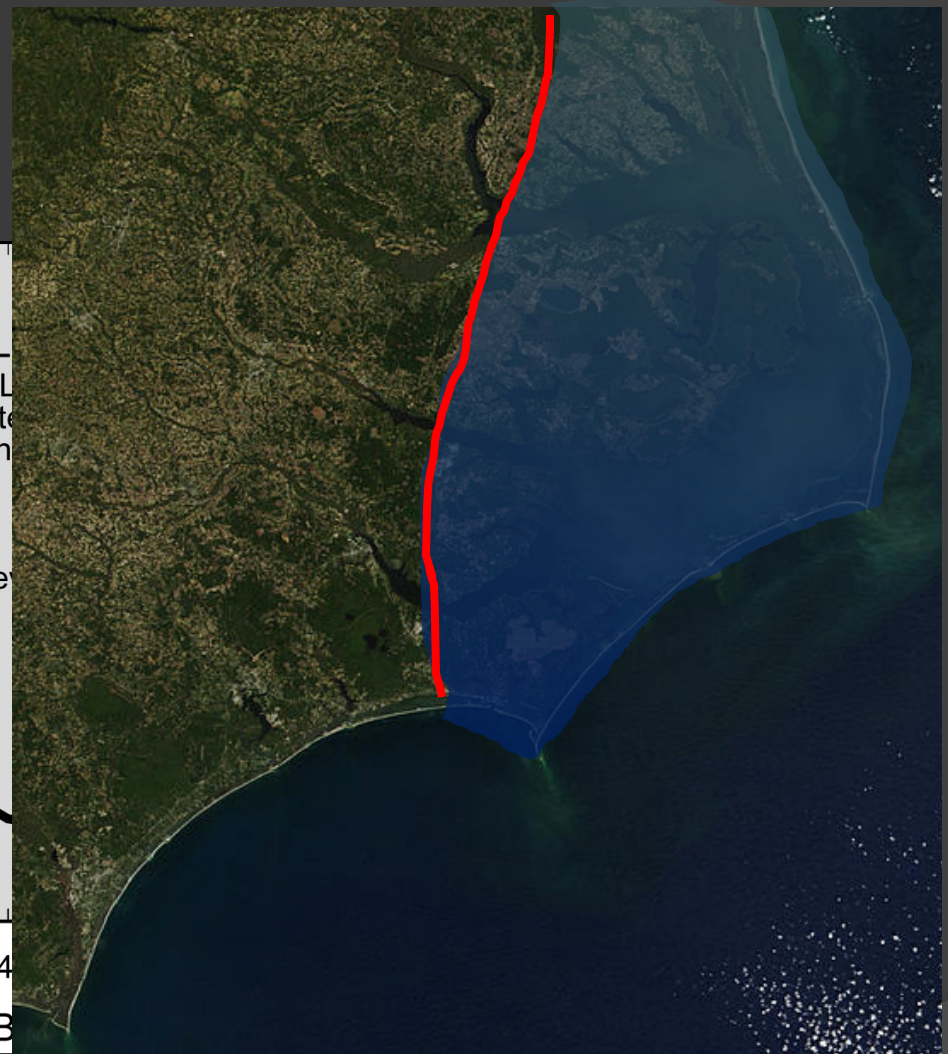
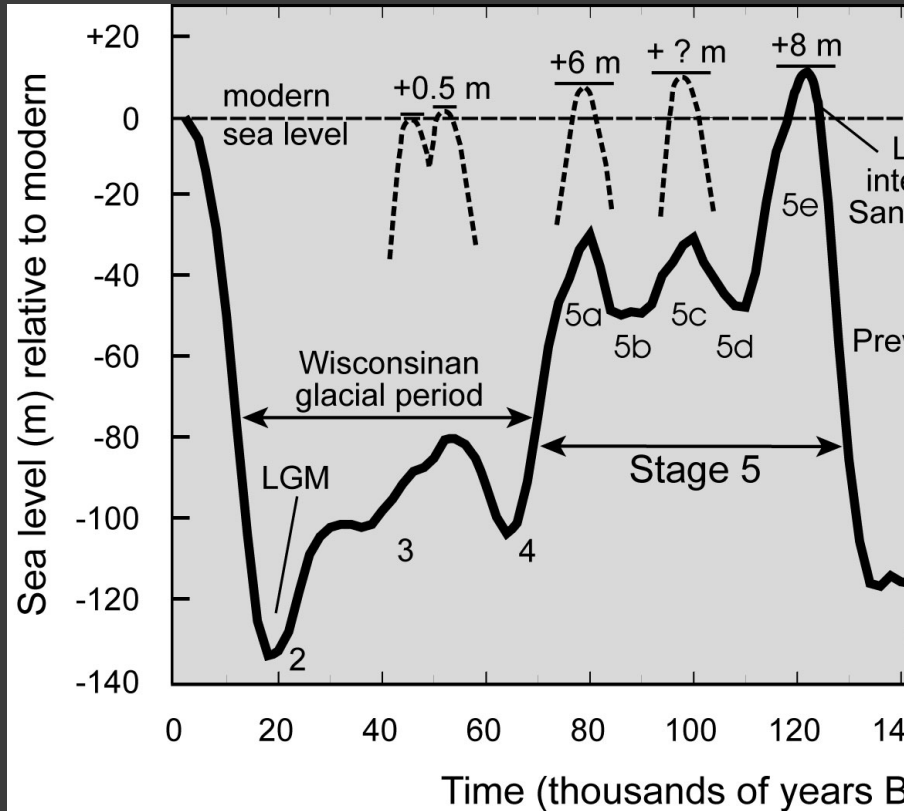
**EXPLORING EARTH SURFACE
CHANGES ALONG NORTH
CAROLINA'S COAST**

What moves them...



What are the 2 major processes that move barrier islands?

Sea-level Rise



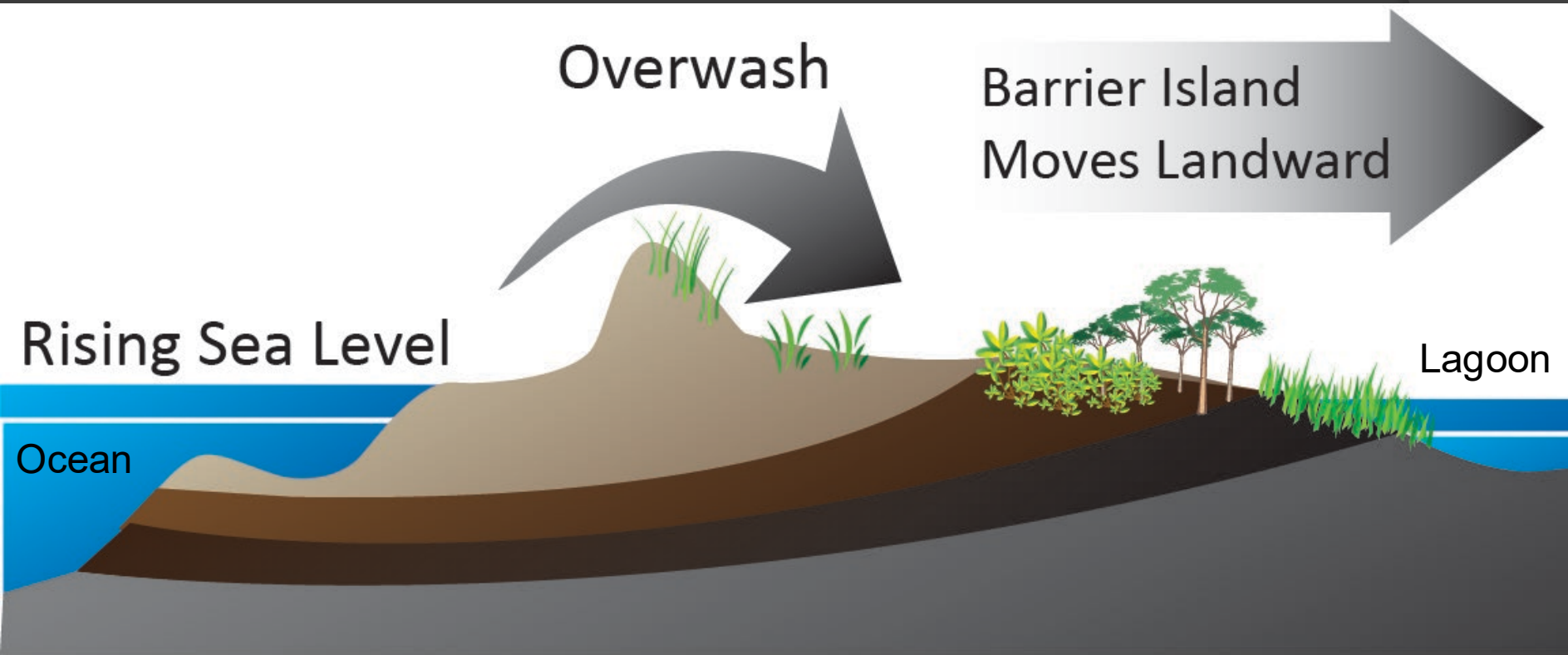
- Current rate of global sea-level rise is about 0.11 inches per year
- “Relative”, or local sea-level rise may be much higher
- Sea-level was much lower 20,000 years ago than today- LAST GLACIAL MAXIMUM
- Around 120,000 years ago, sea-level was about 26 feet higher than it is today

Storms



- Hurricanes and nor'easters erode material from oceanside and deposit landward of the beach
- This process is called **OVERWASH**

Barrier Island Transgression





How do we study island change?

- USING SEDIMENT CORES!

Coring

