



# **Migrating Inlets and Shifting Shorelines: *The Fate of Southeastern North Carolina Beaches***

**Dr. William Cleary**



***Tuesday, May 6, 2003***

# Migrating Inlets and Shifting Shorelines: The Fate of Southeastern North Carolina Beaches

with Dr. William J. Cleary

Dr. William J. Cleary is a Professor of Geology in the Department of Earth Sciences at UNCW with his office and research lab at the Center for Marine Science. He received his BS degree in Geology at Southern



Illinois University in 1965 and subsequently received his MS Degree in Geology at Duke University in 1968. Prior to receiving his Ph.D. Degree in Geology at the University of South Carolina in 1972, Dr. Cleary worked as a Petroleum Exploration Geologist with Pan American Petroleum Corporation. Upon completion of his doctoral

degree, he held a post-doctoral research position at the University of South Carolina in Columbia, South Carolina. Dr. Cleary's research, while at the University of South Carolina, involved genesis and transport of sand on the continental margin and in the deep ocean. Such a diverse background has afforded him the opportunity to work in a variety of marine and coastal settings since accepting a position as Assistant Professor of Geology at UNCW in 1972.

Since the early 1980s Cleary's research has been focused on coastal geology, shoreline erosion related to inlets, and offshore sand resources. Additionally, he has traveled extensively to give presentations of his scientific research in order to promote scholarship and educational ties between UNCW and with other academic institutions, and thus expand UNCW's exposure as a marine science research facility. Dr. Cleary has acted as Chief Scientist on numerous NSF and

NOAA/NURC sponsored scientific cruises. Much of his earlier research in the deep ocean was funded by the National Science Foundation, and more recently his coastal oriented research was funded by NOAA's National Undersea Research Center at UNCW and North Carolina Sea Grant. Over the last 15 years, he has supervised or advised approximately 25 Graduate Students at UNCW and other universities. He has authored or co-authored over 75 publications in national and international scientific journals. Recently, his paper dealing with beach nourishment on storm-impacted barriers in Southeastern North Carolina won the 16<sup>th</sup> International Coastal Symposium Award for best professional paper.

In the fall of 2003, Cleary will spend part of his research reassignment working in Brazil and Portugal on a variety of shoreline issues. Part of his work in southern Brazil will be conducted in tandem with faculty at the University of Itajai, Santa Catarina, Center for Marine and Technological Studies.

His presentation for the Planet Ocean Seminar Series provides an overview of beach erosion related to storms and tidal inlets, the sand resources needed for beach nourishment and the potential for the long-term mitigation of shoreline losses and storm-damage reduction projects in southeastern North Carolina.



Please join us for the fourth and final seminar  
in the 2002-2003 series:

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*The Fate of Southeastern North Carolina Beaches*  
with Dr. William Cleary

**MAY 6, 2003**

**UNCW Center for Marine Science  
Auditorium**

**Seminar 6:30 P.M. / Reception 7:30 P.M.**



CENTER FOR MARINE SCIENCE

Center for Marine Science  
5600 Marvin K. Moss Lane  
Wilmington, NC 28409

To reserve seats call: Center for Marine Science  
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