NEW INITIATIVES IN NORTH NORTH-EAST NC COAST" "OBSERVATORY"

Robert Y. George Ph.D. President, George Institute for **Biodiversity and Sustainability** and Research Director, CERSER, **ECSU** Nov 1, 2017

1970 Gov. Bob Scott

1, Commercial Fisheries **2.** Recreational Fisheries 3. Oil and Gas 4. Wind Mills, Farms and Parks 5. Climate Change/Research 6. Public Education 7. Military Interest 8. Nature – Biodiversity Study-area.

THE UNIVERSITY OF NORTH CAROLINA

General Administration

CHAPEL HILL 27514

WILLIAM FRIDAY President

September 24, 1975

Dr. Robert George Associate Professor Biological Oceanography Institute of Marine Biomedical Research 7205 Wrightsville Avenue Wilmington, North Carolina 28401

Dear Dr. George:

I have recently been informed of activities being planned by the Bureau of Land Management in connection with leasing of tracts in the South Atlantic Region for oil exploration. The University of North Carolina Marine Science Council has been in close contact with persons working with the Bureau of Land Management and have been meeting to determine what the response of the University should be to these plans.

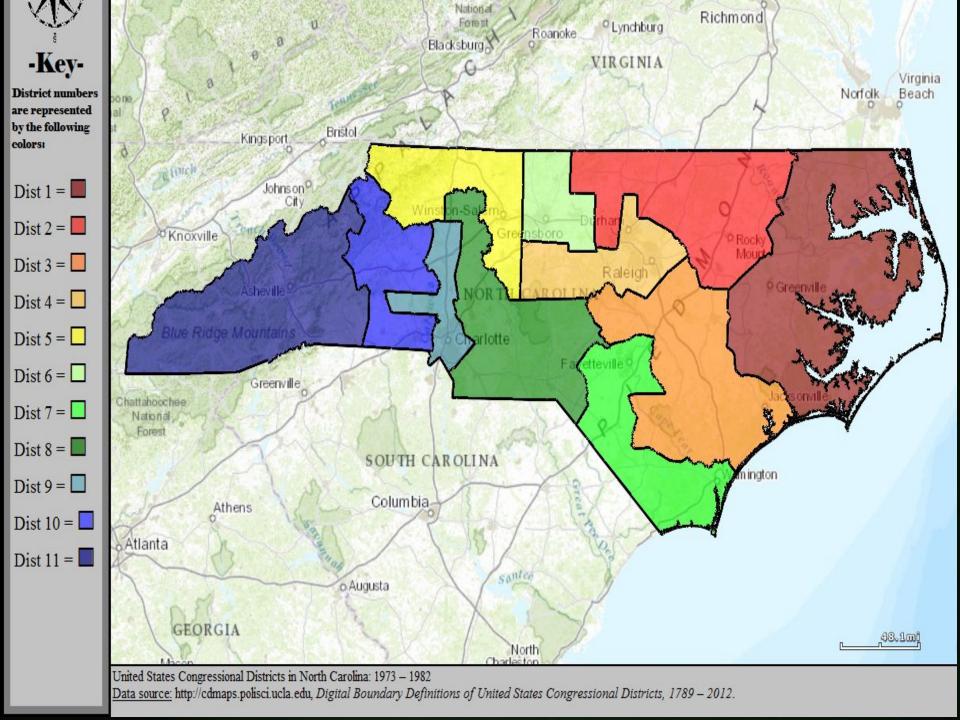
Upon the advice of the Marine Science Council, I am asking that you work with a group that is being formed to formulate a State policy document. This document will relate to the interests of both the State and the University. I am asking you to work with the group to insure proper representation from the standpoint of biological oceanography.

Dr. Ernie Carl, Director of the State's Office of Marine and Coastal Affairs, will assist us in coordinating activities in connection with the conference scheduled in Atlanta in October. The Research Triangle Institute will be working with the Bureau of Land Management in organizing and conducting this conference. I understand that Dr. Carl will be in touch with you soon to establish a time and place for a meeting.

Thank you in advance for any assistance you might give to the group in preparing for effective participation in the Atlanta Conference. If you have questions, please contact Dr. B. J. Copeland at North Carolina State University or Dr. Ernie Carl.

Cordial 11iam Friday





INSHORE

NEAR SHORE

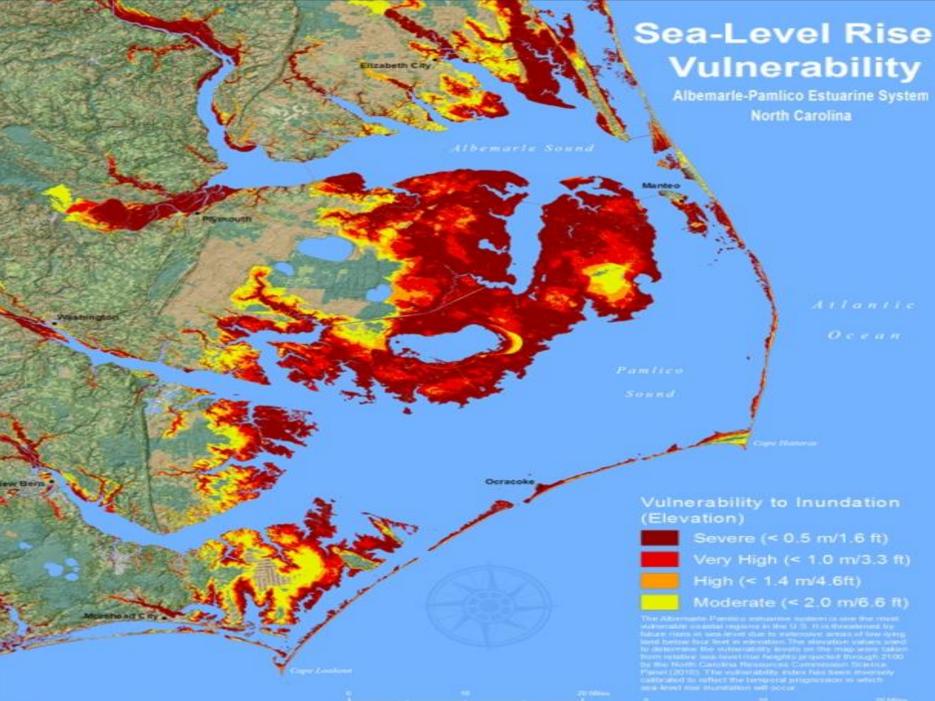
OFFSHORE

HIGH SEAS

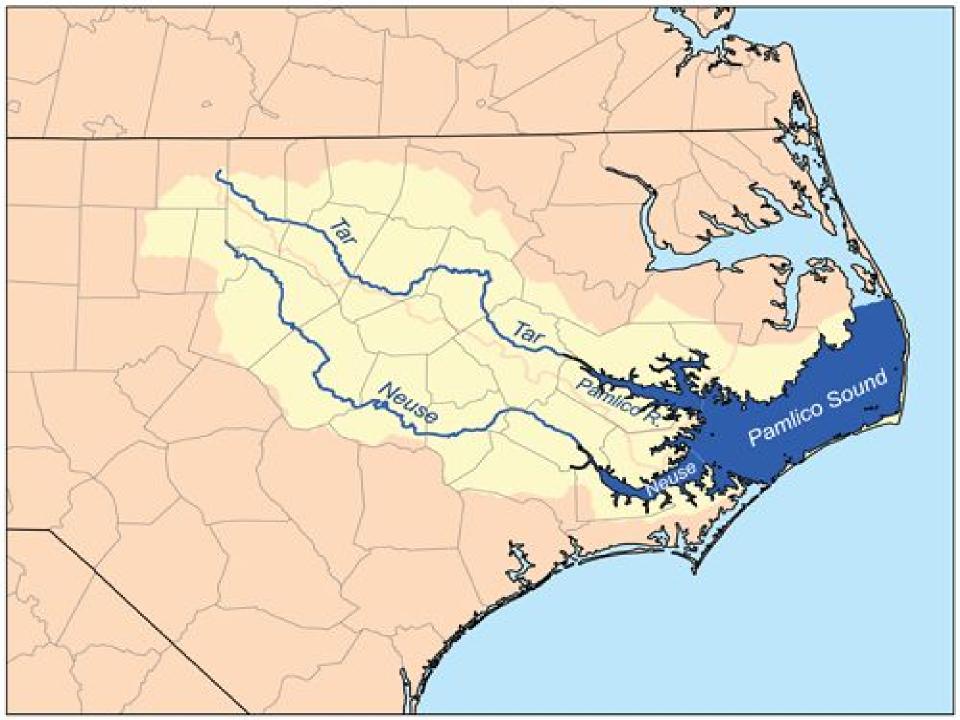
GEORGE-WATZIN REPORT

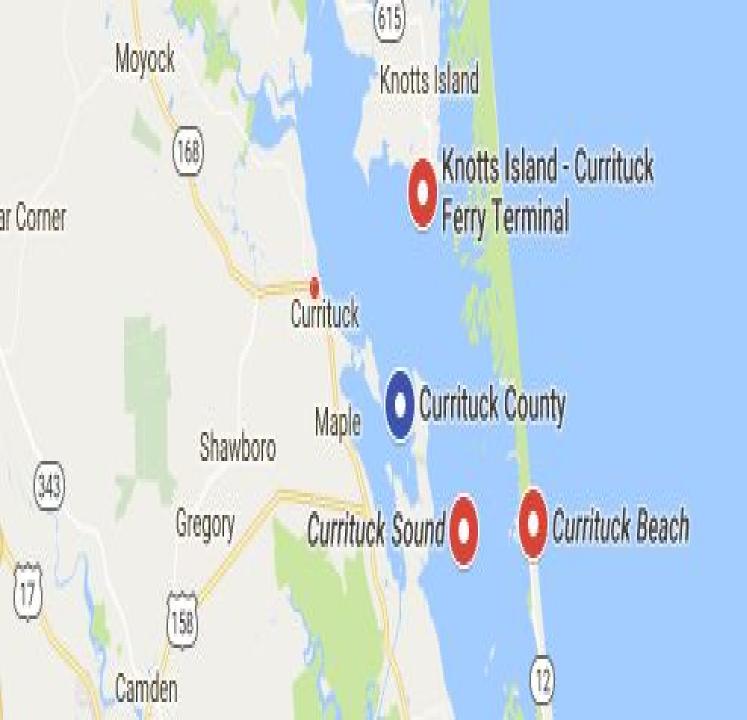
MINUTES OF THE SEPTEMBER 14, 2016 "CONVERSATIONS ABOUT NUTRIENT OVER-ENRICHMENTS IN NC WATERSHEDS WITH FOCUS ON NEUSE RIVER BASIN: PREPARED BY ROBERT Y. GEORGE RESULTS OF A CONFERENCE ORGANIZED AT NCSU BY DEAN MARY WATZIN (NCSU) AND PROF. ROBERT Y. GEORGE GIBS/ECSU)





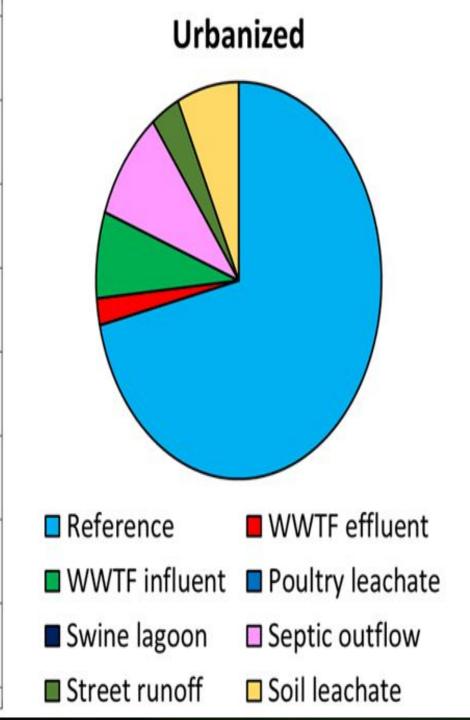
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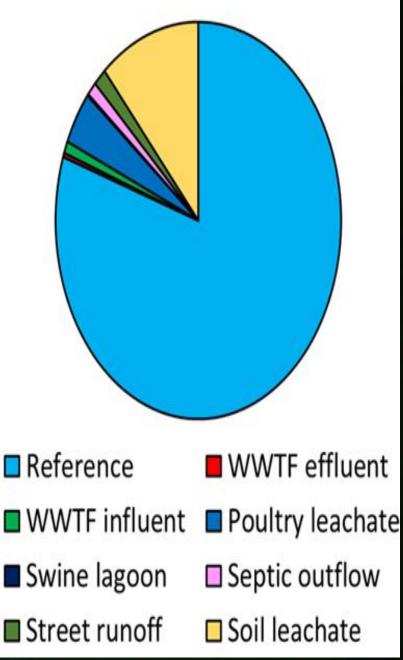


Map data @2017 Google





Agriculturalized





HURRICANE MATTHEW 2:00 AM EDT

45 MI S OF HILTON HEAD SOUTH CAROLINA

Morehead City

Myrtle Beach

Charleston

Savannah

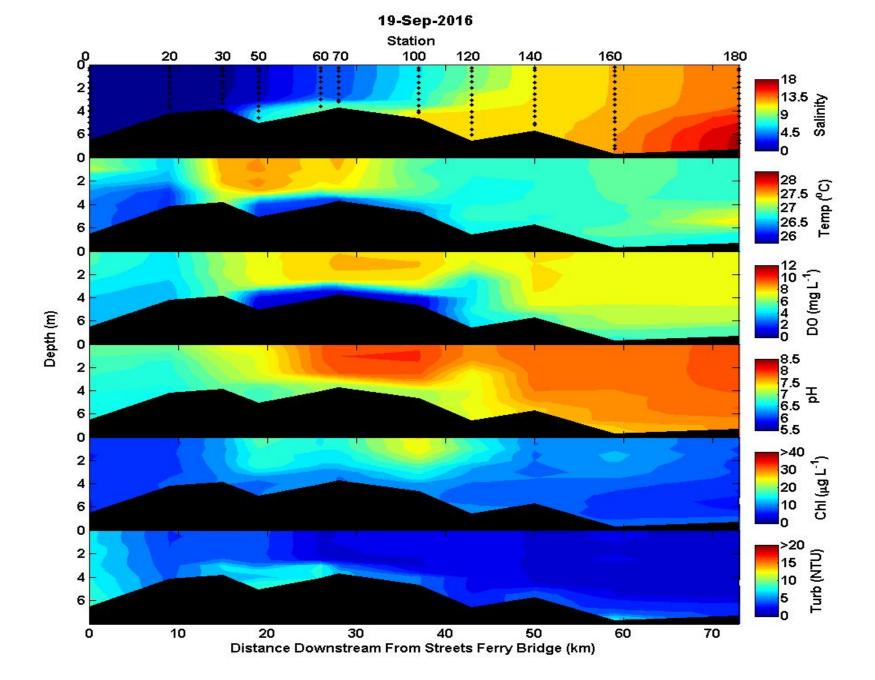
Melbourne

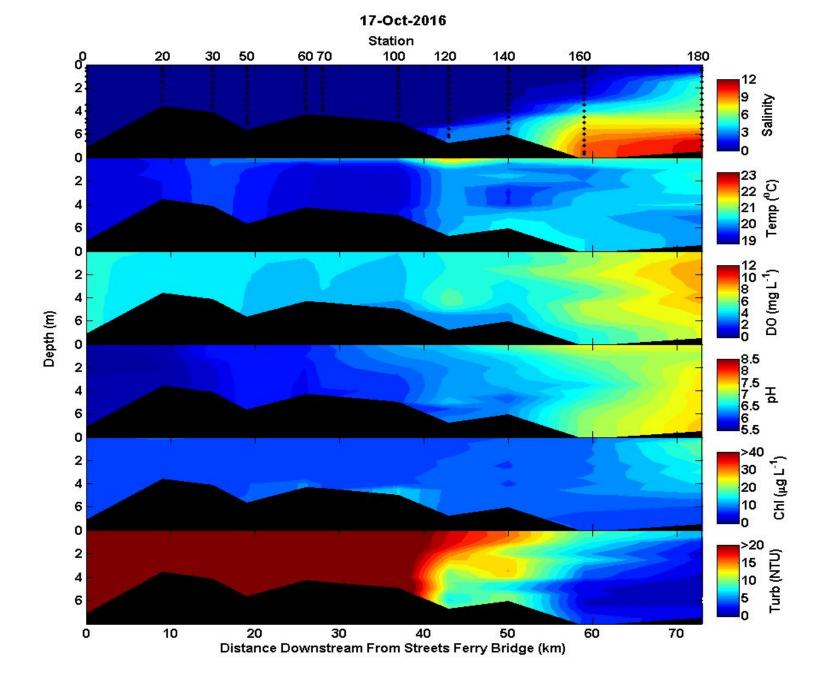
Jacksonville

WINDS: 105 MPH PRESSURE: 955 mb MOVING: N at 12 MPH

The Weather Channel

8-Oct-16 2:11 EDT





ECSU- VALUABLE RESOURCE AND INTELECTUAL CAPITAL FOR STATE AND NATION.

TO ADDRESS ENVIRONMENTALLY SENSITIVE NEEDS FOR NORTHEAST NORTH CAROLINA

NENCI – NORTHEAST NORTH CAROLINA INTTIATVE Besides thermal increase, there are other coastal threats: **1. Ocean Acdification** 2. Deoxygenation 3. Salinification 4. Oyster reef shrinkage 5. Loss of Marshes etc How do we mitigate?





"Marine-STEM PROJECT FOR HIGH SCHOOL STUDENTS AND TEACHERS (2018-2020) IN NINE NC COASTAL COUNTIES"

Pls: Dr. Timothy Goodale (Assistant Professor, Dept. of Education, ECSU) and Dr. Robert Y. George (Research Director, CERSER, ECSU)

Collaborators: Dr. Sue Kezios (Watson School of Education, UNCW); Dr. Darnell Johnson (CERSER, ECSU), Dr. Reide Corbett (ECU-CSI) and Dr. David Eggleston (CMAST, NCSU)



CERSER, ECSU

"OBSERVATORY"

NSF-BIG DATA PROJECT

IBM, GEORGIA TEC. & SMITHSONIAN Encyclopaedia of Life (EoL)



ECSU OBSERVATORY ELIZABETH CITY

1. Citizens Observatory

2. Scientists and Scholars

3. Policy/Decision Makers

4. DATA HUB-SPOKE (NSF/IBM)

Our Philosophy for Multiple-Use/ Benefit-sharing Framework

1. Coming together is legacy.

2. Keeping together is progress.

3. Working together is success.