10:00 CALL TO ORDER* Greg Rudolph, Chair
  • Roll Call
  • Announcements
  • Approval of July 12, 2017 Meeting Minutes

10:10 CRAC NOMINATION
  (Memorandum attached) Greg Rudolph, Chair

10:20 LOCAL GOVERNMENT TOP ISSUES
  (Memorandum and Spreadsheet attached) Greg Rudolph, Chair

11:20 OLD/NEW BUSINESS
  Flood Insurance Rate Maps Greg Rudolph, Chair

11:30 ADJOURN
Meeting Summary

Attendance

Greg “rudi” Rudolph (Chair)  Spencer Rogers (Co-Vice Chair)
John Brodman             Kris Noble
Jett Ferebee              Robert Outten
Johnny Martin             Todd Roessler
Michael Moore             Dave Weaver
David Moye                Lee Wynns

Call to Order
Rudi Rudolph called the meeting to order with 12 members in attendance and the minutes were approved unanimously.

CRAC Nominations
Rudi Rudolph began discussing possible new members to the CRAC. Rudi explained that the CRAC consists of 20 at-large members and currently there are four vacancies and that the CRAC needs more representation from the inner banks. The CRAC unanimously approved recommending to the CRC the following nominations to the CRAC:

Seth Laughlin
Cindy Bohmert
Nancy White
David Kellum

Prioritizing Top Issues
The council began discussing the need to prioritize top issues that have been submitted by the local governments. The council agreed to create a subcommittee consisting of Johnny Martin, David Moye, Rudi Rudolph, and Robert Outten to help narrow the top issues for the council to discuss.

Adjourn
With no further business the Council adjourned and joined the CRC meeting.
Memorandum

From: Greg “rudi” Rudolph  
Date: September 27, 2017  
Re: CRAC Nomination

Subsequent to our July meeting, Frank Rush (Emerald Isle) elected to step down from the CRAC creating a vacancy on the Council. To this end, we just solicited nominations for CRAC membership earlier this year and selected four new members at our July meeting that were subsequently appointed by the CRC. Rather than starting a new search for nominations, it is recommended we revisit the nominations that were submitted to us previously and select a nomination for the CRC’s consideration at our September 27th meeting. The list of nominations provided to us formerly (and one late submission) is below and the resumes for the individuals are attached. We currently have 19 sitting CRAC members out of the allotted 20.

<table>
<thead>
<tr>
<th>Name</th>
<th>By</th>
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<tbody>
<tr>
<td>Samuel Corbett, III</td>
<td>Pender County</td>
</tr>
<tr>
<td>Harvey M. (Skip) Lee</td>
<td>Town of Bayboro</td>
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<tr>
<td>Seth M. Laughlin</td>
<td>Beaufort County</td>
</tr>
<tr>
<td>Nancy White, Ph.D.</td>
<td>Town of Nags Head</td>
</tr>
<tr>
<td>Ann Keyes</td>
<td>Washington County</td>
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<tr>
<td>Candy Bohmert</td>
<td>Pamlico County</td>
</tr>
<tr>
<td>George E. Taylor, Jr., Ph.D.</td>
<td>City of Elizabeth City</td>
</tr>
<tr>
<td>Frank V. Tursi</td>
<td>Town of Swansboro</td>
</tr>
<tr>
<td>David Kellam</td>
<td>Figure Eight Homeowners’ Association</td>
</tr>
<tr>
<td>Dallas O. Blackiston</td>
<td>City of New Bern</td>
</tr>
</tbody>
</table>
During the Bayboro Town Council meeting of June 6, 2017, the council nominated and approved Harvey M. (Skip) Lee as its CRAC member. Skip is the Pamlico County Chief Building Inspector, CAMA LPO and serves as Zoning Administrator and CAMA/LPO for Bayboro.

Thank you,

--

Joan Spain Leary
Town Clerk/Finance Officer
Town of Bayboro
PO Box 519
301 Main Street
Bayboro, NC 28515
252-745-4238 Phone
252-745-6030 Fax
May 31, 2017

NC Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Attn: Angela Willis (Angela.Willis@ncdenr.gov)

Dear Ms. Willis:

Pursuant to a letter received by the City of Elizabeth City dated April 19, 2017 from the North Carolina Coastal Resources Advisory Council, the City Council of the City of Elizabeth City voted unanimously to nominate for appointment Dr. George E. Taylor, Jr. to the Coastal Resources Advisory Council.

Dr. Taylor is a retired professor at George Mason University living in Pasquotank County. As you will see from his attached resume, his background lies in biogeography, the sciences and ecology. The Elizabeth City Council believes that his experience makes him uniquely qualified to serve on the CRAC.

If you require additional information regarding this matter, please feel free to let me know.

Sincerely,

Vivian D. White, CRC/NCCMC
City Clerk

Attachment
Resume

GEORGE E. TAYLOR, JR.
Retired Professor
Department of Geography and Geoinformation Science
George Mason University
4400 University Drive
Fairfax, VA 22030-4444

gtaylor@gmu.edu

getaylornc@gmail.com

professortaylorGMU@gmail.com

EDUCATION
B.S., Randolph-Macon College, 1971
Ph.D., Emory University, 1976

CIVIC ACTIVITIES
Coastal Wildlife Refuge Society, Alligator River NWR
Board member (2009-2014) and (2016-present)
President (2010-2014)

Elizabeth City Sunrise Rotary Club (2008-2010)

Fairfax City Rotary, 1998-2006
Vice-President, President-Elect and President (2001-2003)
Executive Committee
Paul Harris Fellow
President, Fairfax Rotary Foundation, 2003-2005

Reno Downtown Rotary Club, 1993-1998
Rotary Youth Exchange Program
Executive Committee

PROFESSIONAL ACADEMIC EXPERIENCE
George Mason University (1998-2016)
Retired - 2016
Professor, Department of Geography and Geoinformation Science
2001-2016
Senior Associate Dean, School of Computational Sciences, 2002-2007
Science Coordinator, Undergraduate Honor’s Program, 2000-2007
Chair and Professor, Department of Biology, 1998-2000

University and Community College System of Nevada (1990-1998)
Assistant Dean, College of Agriculture at UNR, 1997-1998
Chair and Professor, Department of Environmental and Resource Sciences at UNR, 1990-1997

Associate Director, Center for Environmental Sciences and Engineering (UNR), 1994-1995
Director, Graduate Program in Environmental Sciences and Health (UNR), 1994-1995

Oak Ridge National Laboratory (1979-1989)
R&D Group Leader in Physiological Ecology, Environmental Sciences Division, 1985-1989
Research Staff Member, Environmental Sciences Division, 1983-1989  
Research Associate, Environmental Sciences Division, 1980-1983  
Instructor, Agnes Scott College, 1975-1977

RESEARCH INTERESTS

Biogeography  
Science and the Public Policy  
Science and Mathematics Education and Training  
Application of Remote Sensing and GIS to Ecology  
Ecology, Physiology and Population Biology of Plants  
Ecological Toxicology and Risk Assessment  
Atmospheric Chemistry and Air Quality

BUSINESS ENDEAVORS

Scientific and Technical Editing (2015-present)  
http://www.professortayloredit.com/

COURSES TAUGHT (Graduate and Undergraduate)

Guns, Germs and Steel (Honors Program)  
Scientific Thought and Processes (Honors Program)  
Astrobiology: Origin of Life in the Universe  
Regional and Global Issues in Environmental Science  
Biogeography: Distribution of Plants and Animals  
Biology of Invasive Species  
Plant Ecophysiology  
Oral and Written Communication Skills for Scientists  
Issues in Atmospheric Chemistry and Air Quality

PROFESSIONAL HONORS, ACTIVITIES, AND APPOINTMENTS

Coastal Wildlife Refuge Society, 2007-2012 and 2006-present  
President, 2007-2012  
Editor, Terrestrial Ecology and Plants, Environmental Toxicology and Chemistry, Society for Environmental Toxicology and Chemistry, 2001-2006  
Scientific Advisory Committee, National Park Service, National Capitol Region, 2002-2003  
Science Advisory Panel, U.S. Environmental Protection Agency  
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Committee, 2001-2005  
Food Quality Protection Act Board, 2001-2005  
Organizing Committee, International Conference on Ecotoxicogenomics, September, 2002 (Pensacola, Florida)  
Invasive Species Advisory Committee, Risk Assessment and Management
Subcommittee, 2000-2003
Science Advisory Committee, Department of Environmental Quality, State of Virginia, 2000-2003
Science Advisory Board, U.S. Environmental Protection Agency
Member, Ecological Risk Assessment Committee, Iron Smelters, 2000-2005
Member, Clean Air Act Compliance Council, Physical Effects Review Subcommittee, 1994-2002
Member, Health and Ecological Effects Subcommittee, 1997-2002
Member, Residual Risk Subcommittee, 1998-2006
Member, Clean Air Scientific Advisory Committee, 1986-1997 and 2001-2003
Editorial Advisory Board, Tree Physiology, 1989-1998
Scientific Planning Committee, "3rd Urals Symposium: Human Health and Radioecology of Contaminated Landscapes in the Ural Mountains", Ekaterinburg, Russia, May 1995
Organizer, "Symposium on Mercury Contamination in Arid and Semiarid Landscapes" November, 1994, Denver, Colorado
Science Advisory Committee, University of California-Davis' Center of Excellence in Ecological Health, U.S. Environmental Protection Agency, 1992-1993
Member, Coal Fuel Cycle Peer Review Panel, Secretary of Energy's Advisory Committee, 1992-1993
Natural Sources Task Group, U. S. Interagency Task Force on Acid Precipitation, 1982-1990
Editor, Physiological Section Newsletter, Botanical Society of America, 1983-1985
Executive Steering Committee, International Air Pollution Workshop, 1980-1983
Society of Sigma Xi, 1974
Phi Beta Kappa, 2001
Who's Who in American Colleges and Universities, 1971
Omicron Delta Kappa, Beta Beta Beta and Chi Beta Phi, 1970

PUBLICATIONS: Book

PUBLICATIONS: Manuscripts (underlined co-authors are students)
Lostritto, P.L. and G.E Taylor Jr. Effects on Piping Plover (Charadrius
melodys Ord) Foraging Habitat from Sea-level Rise: A Geographic

emission from four aquatic macrophytes: variation among species and sites
of physiological control. Aquatic Botany 81; 141-155.

deposition to semi-arid coniferous forests. Atmospheric Environment 36:
3277-3287

Taylor, G.E., Jr. 2002. Ecological risk characterization of low dose, high
potency herbicides. pp 129-158 IN S.A. Ferenc (ed) Impact of Low Dose,
High Potency Herbicides on Nontarget Plants. Society for Environmental
Toxicology and Chemistry Press, Pensacola, FL.

human health, natural resources and ecology. Human and Ecological Risk
Assessment 7:1183-1193.

measurements in the Lake Tahoe Basin air-shed: implications for dry
deposition of atmospheric nitrogen. Environmental Pollution 113:145-153.

in the United States - a retrospective and prospective analysis. pp 1-11
IN W-J Weigel and M. Finck (editors) Tropospharisches Ozon. Kommission
Reinhaltung der Luft (KRdL) Im VDI UND DIN – Normenausschuss, Dusseldorf,
Germany.

Taylor, G.E., Jr., K. Beck, L. Tarnay and M. Gustin. 1999. Dry deposition of
trace pollutant gases to high elevation forests in the Southern Sierra
Nevada Mountains: results from process-level modeling. Pp 555-564 in 5th
National Watershed Conference; Living in Your Watershed. Reno, NV.

and plants in contaminated soils: 1. Uptake, partitioning and emission to
the atmosphere. Environmental Toxicology and Chemistry 17: 2063-2071.

and plants in contaminated soils. 2. Environmental and physiological
factors governing flux to the atmosphere. Environmental Toxicology and
Chemistry 17: 2072-2079.

Taylor, G.E., Jr. 1998. Forest ecosystems and air pollution: the importance of
multiple stress interactions at a regional and global scale. pp. 23-39 IN
J.J. Cech, B.W. Wilson and D.C. Crosby (eds.) Effects of Multiple Impacts
on Ecosystems, Lewis Publishers, Chelsea, MI.

responses to ozone exposure. pp 317-368 IN H. Sandermann, Jr., A.R.
Wellburn and R.L. Heath (eds.) Forest Decline and Ozone: A Comparison of
Controlled Chamber and Field Experiments. Springer-Verlag, New York, NY.

tropospheric ozone on two varieties of Pinus ponderosa. Canadian Journal
of Forestry Research 27:527-537.


Hanson, P.J. and G.E. Taylor, Jr. 1992. Experimental laboratory measurements


pollutant dose. pp. 458-460. IN: M. Unsworth and D. Ormrod (eds.)
Effects of Gaseous Air Pollutants in Agriculture and Horticulture,

response to sulfur dioxide in Geranium carolinianum L. Oecologia 49: 76-
82.

ozone: A conceptual model of physiological events. pp. 113-138. IN: M.
Unsworth and D. Ormrod (eds.) Effects of Gaseous Air Pollutants in
Agriculture and Horticulture, Butterworth Publishing Co., London, United
Kingdom.


to sulfur dioxide: A physiological analysis. p. 252. IN: Effects of
Pollutants on Mediterranean and Temperate Forest Ecosystems: An

Taylor, G.E., Jr. 1978. Plant and leaf resistance to gaseous air pollution

Taylor, G.E., Jr. 1978. Genetic analysis of ecotypic differentiation within
an annual plant species, Geranium carolinianum L., in response to sulfur

Taylor, G.E., Jr. 1976. The evolutionary process of population differentiation
of an annual plant species, Geranium carolinianum L., in response to

annual plant species, Geranium carolinianum L., in response to sulfur
September 6, 2017

Ms. Angela Willis
Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Dear Ms. Willis:

This letter is to inform you that at the September 5, 2017 meeting of the Pender County Board of Commissioners, the Board voted to recommend Samuel Corbett to serve on the Coastal Resources Advisory Council (CRAC). Mr. Corbett’s application to Pender County is attached for your review.

If you have any questions or concerns on this matter, please call me directly at (910) 259-1200.

Respectfully,

Melissa Long
Clerk to the Board
Pender County
Application for Appointment to Boards/Commissions/Committees

Appointees to Pender County Boards/Commissions/Committees must be a Pender County resident and must be at least 18 years of age. Please complete this application and return to: Pender County Manager's Office, PO Box 5, Burgaw, NC 28425.

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Corbett, III</th>
<th>First</th>
<th>Samuel</th>
<th>M.L.J.</th>
<th>Date</th>
<th>8/2/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Address</td>
<td>861 Washington Acres Road</td>
<td>Apartment/Unit</td>
<td>7</td>
<td>ZIP</td>
<td>28443</td>
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<tr>
<td>City</td>
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<td>State</td>
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<td>Mailing Address (If different from above)</td>
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<tr>
<td>City</td>
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<td>State</td>
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<tr>
<td>Home Phone</td>
<td></td>
<td>Work Phone</td>
<td>910-620-1804</td>
<td>E-mail Address</td>
<td>1</td>
<td><a href="mailto:samjcorbett3@gmail.com">samjcorbett3@gmail.com</a></td>
</tr>
<tr>
<td>Fax Number</td>
<td></td>
<td></td>
<td></td>
<td>E-mail Address</td>
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<td>Incident Interest(s)</td>
<td>Coastal Resource Advisory Committee</td>
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<td>How long have you been a resident of Pender County?</td>
<td>17 years</td>
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<td>High School</td>
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<td>From</td>
<td>'76</td>
<td>To</td>
<td>'78</td>
<td>Did you graduate?</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>College</td>
<td></td>
<td>Location</td>
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<tr>
<td>From</td>
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<td>To</td>
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<td>Did you graduate?</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>Degree</td>
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<tr>
<td>Other</td>
<td></td>
<td>Location</td>
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</tr>
<tr>
<td>From</td>
<td></td>
<td>To</td>
<td></td>
<td>Did you graduate?</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>Job Title</td>
<td>Commercial Fisherman</td>
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<td>Responsibilities</td>
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<td>Previous Employment</td>
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<td>Job Title</td>
<td>General Manager, Head Pro and Supt</td>
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<td>Previous Employment</td>
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<td>Previous Employment</td>
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<td>Job Title</td>
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</table>

* 16 years of service on Marine Fisheries Advisory Committees
* Chairman of NC Marine Fisheries Commission from 2014 to current
Have you ever served or are you currently a member of any Pender County or other local government board/commission/committee?

| YES | NO | If yes, explain (including length of service). |

State reasons why you feel qualified for this appointment(s):

Growing up on Wrightsville Beach and commercial fishing off of New Hanover and Pender Counties for over forty years, I have seen many changes in the estuaries and beach front communities. As chairman of the Marine Fisheries Commission I handle many cases that are dock related, inlet dredging and beach nourishment related, as well as sediment encroachment in our estuaries. Having oyster leases in the sound, I have interaction with the Army Corp of Engineers and have some knowledge of their rules involving oyster leases. I have worked closely with Braxton Davis, Director of Division of Coastal Management and NC Division of Marine Fisheries.

<table>
<thead>
<tr>
<th>Branch</th>
<th>From</th>
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<tbody>
<tr>
<td>Rank at Discharge</td>
<td>To</td>
</tr>
<tr>
<td>Type of Discharge (optional)</td>
<td></td>
</tr>
</tbody>
</table>

Are you aware of any legal, medical or personal conflict of interest by serving as a member of this Pender County board/commission/committee?

| YES | NO | If yes, explain. |

Are you or any member of your family employed by Pender County, or currently serving on any Boards/Committee/Commission appointed by or affiliated with Pender County?

| YES | NO | If yes, list family member name(s) and position/board or committee(s). |

Please add any additional information you would like to share supporting your interest and qualifications for this appointment.

NOTE: This information will be used by the Pender County Board of Commissioners in making appointments to Pender County Boards/Committees/Committees. In the event you are appointed, it may be used as a news release to identify you to the community. This application is considered a public record.

Signature: Samuel J. Corbett, III

Date: 8/2/17
Willis, Angela

From: Scott Chase <schase@ci.swansboro.nc.us>
Sent: Monday, May 08, 2017 9:52 AM
To: Paula Webb; Willis, Angela
Cc: Andrea Correll
Subject: RE: CRAC Nomination - Swansboro and coastal issues response

Angela

Thank you for taking our nomination. As part of the letter you requested: What are your local community's two (or more) top coastal issues the CRAC/CRC may be of assistance in coordination with the administrative staff at the N.C. Division of Coastal Management (DCM)? While regulations and permitting are the backbone of the Coastal Management Program, the CRAC and CRC wants to be proactive with respect to your more policy-centric issues.

1. Land Use Plan [updates]. The grant money available most recently is not enough to do updates to our local plans. Our town has seen significant growth since our last update. We have requested grant funding this year however concerned that the amount will not be enough to cover the expenses.

2. CRC/DCM proactive in local planning. When this funding was available, the CRC/DCM used to be more proactive regarding land use. I believe it essential that more resources be given to local governments in the CAMA counties [i.e. follow up from planners at DCM, checking in on local partners on our planning implementation, etc.]. Would help identify need/shortcomings in local government implementation. Local governments in CAMA counties seeing significant growth and need help with management.

Thanks!

Scott

From: Paula Webb
Sent: Monday, May 01, 2017 11:47 AM
To: Angela.Willis@ncdenr.gov
Cc: Scott Chase <schase@ci.swansboro.nc.us>
Subject: CRAC Nomination - Swansboro

Angela – please find attached resume for Commissioner Frank Tursi for consideration as a member of the CRAC. Should you have any questions, please don’t hesitate to contact me.

Paula W. Webb, MMC-NCCMC
Town Clerk/Administrative Services Director
601 W. Corbett Avenue
Swansboro, NC 28584
pwebb@ci.swansboro.nc.us
(910) 326-4428 phone
(910) 326-3101 fax
...>((("*))...>((("*))...>(((")

---
Frank V. Tursi

270 River Reach Dr., Swansboro, N.C.

252-241-3505

EXPERIENCE

Swansboro Town Commissioner, 2015-present

Founding Editor, Coastal Review Online, North Carolina Coastal Federation, 2011-2016 (retired)

- Conceived the online news service and responsible for its launch in February 2011
- Responsible for the budget and daily content of news service
- Manages a staff of two and about a dozen freelance writers

Coastkeeper, North Carolina Coastal Federation, 2001-2011

- Responsible for directing NCCF’s Coastkeeper Program, including policies, plans, budgets and equipment purchases.
- Implement effective programs to improve enforcement of environmental regulations.
- Liaison with Board of Directors’ Coastkeeper Committee.


- Special projects/environmental reporter, June 1988-December 2001. I was the senior environmental reporter in the state. My duties included reporting on CRC meetings and on the N.C. Division of Coastal Management.
- Science/medical reporter, October 1985-June 1988
- Copy editor/Sunday news editor, May 1981-October 1985
- Sports writer, sports copy editor, August 1978-May 1981

Reporter and Editor, The Miami Herald, Miami Fla., 1977-1978

- Suburban sports editor and writer, January 1977-May 1978


- Responsible for the news content of the twice weekly newspaper and managing an editorial staff of five reporters and two photographers.

Reporter, The Key Biscayne Islander News, Key Biscayne, Fla, 1974-1975

RELATED EXPERIENCE

BOOKS

- Author, *Lost Empire: The Fall of R.J. Reynolds Tobacco Co.*, John F. Blair, Publisher, 2000

AWARDS

- Numerous writing awards from the N.C. Press Association, including four Public Service Awards.
- Directed the staff of Coastal Review Online that won 40 press association awards over two years, including a General Excellence Award.
- Books have won the History Book Award by the N.C. Society of Professional Historians and the Special Commendation Medal of the Society for State and Local History.

EDUCATION

- Bachelor of Science, English and Geology, East Carolina University, Greenville, N.C., 1973

PROFESSIONAL AFFILIATIONS

- Board Member, East Carolina Council
- Former Board Member, N.C. Conservation Network
- Former Member, National Advisory Board, Institute for Journalism and Natural Resources
- Former Member, Waterkeepers’ Alliance
- Former Member, Coastal Caucus
May 8, 2017

Mr. Greg Rudolph, CRAC Chair
Carteret County Shore Protection Office
P.O. Box 4297
Emerald Isle, NC  28594

Dear Mr. Rudolph:

At their regular meeting on May 1, 2017, the Washington County Board of Commissioners nominated Ms. Ann Keyes, Washington County’s Planning/Safety and Emergency Management Director, to be a member of the Coastal Resources Advisory Board. Ms. Keyes has worked with the County for over 40 years in these roles and is well-qualified to be on this Board.

Her contact information is below:
Ms. Ann Keys, Director of Planning/Safety and Emergency Management
P.O. Box 1007
Plymouth, NC  27962
252-793-4114
akeyes@washconc.org

Washington County’s two top coastal issues are flooding and drainage. We do hope that CRAC could coordinate assistant with these issues.

Please don’t hesitate to contact me if you need further assistance.

Sincerely,

Julie J. Bennett, CMC, NCCCC
Clerk to the Board

Cc:  A. Keyes, Director, Planning/Safety and Emergency Management
    Mr. Curtis Potter, Washington County Interim County Manager
Memorandum

From: Greg “rudi” Rudolph  
Date: September 27, 2017  
Re: Top Issues – Hierarchy/Prioritization

At our last meeting in July, we discussed the top coastal issues local governments submitted in response to our request. Subsequent to an initial screening by the CRAC; a committee comprised of members Martin, Moye, Outten, and Rudolph were appointed to group and prioritize the issues – the manifestation of this effort is included in the attached spreadsheet.

The issues were first divided into broad categories such as “Oceanfront”, “Permit/Regulatory”, “Public Access”, etc. and provided a perceived difficulty ranking. Each issue was also assessed to whether or not General Assembly assistance could be required, if the issue would need to heavily involve other Department of Environmental Quality agencies, if the issue is already being addressed by the Coastal Resources Commission, and/or if the issue will require N.C. Division of Coastal Management (NCDCM) assistance (all of the issues do). The “x’s” and “o’s” in the spreadsheet are very much subjective and it should be a goal of our September meeting to come to a general consensus on the issues to the effects presented in the spread sheet. Moreover, we should be able to identify the top two, three, or four issues (or sub-issues) that we and NCDCM staff can start working upon with respect to rules, policy, or just education.
<table>
<thead>
<tr>
<th>Top Coastal Issues</th>
<th>Already Being Addressed</th>
<th>Cooperation with other DEQ Agencies.</th>
<th>Will need NCGA Assistance</th>
<th>Staff/CRC</th>
<th>Perceived Difficulty (4 = most)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oceanfront</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1     2     3     4</td>
</tr>
<tr>
<td>Beach Nourishment</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>o</td>
</tr>
<tr>
<td>Removal of condemned houses from the oceanfront</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>o</td>
</tr>
<tr>
<td>Sand relocation</td>
<td></td>
<td>X</td>
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<tr>
<td>Dune management – integrity of the dune</td>
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<tr>
<td>Policy on sand placement landward of frontal dune needs to be reviewed</td>
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<tr>
<td>Cape sand exempted from sediment criteria is questionable – should be reviewed</td>
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<tr>
<td>Offshore sand resources – using existing data and coordination</td>
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<td>Erosion control structures along the open oceanfront</td>
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<tr>
<td>Re-think groins, breakwaters, etc.</td>
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<td>Review of sandbags and geotubes</td>
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<td>Permit/Regulatory</td>
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<td>Streamline residential &amp; commercial waterfront development permitting</td>
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<td>Terminal groin permitting – approval needs to be quicker</td>
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<td>Necessity and efficacy of CAMA permit adjacent landowner notification</td>
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<td>Oceanfront cantilevers should be reviewed</td>
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<td>CAMA rules are vague, not self-explanatory, and difficult to navigate</td>
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<td>Allow wider, public-finger docks to provide more handicap access</td>
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<td>Funding for Land Use Plan updates and more State coordination/assistance</td>
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<td>Drainage</td>
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<td>Ease permitting and assist in debris removal along waterways and drainage ditches</td>
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<td>By mechanical means and/or dredging</td>
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<td>Storm water drainage – canals and ditches</td>
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<td>Public Access</td>
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<td>Increase funding programs for public waterfront access</td>
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<td>Public water access</td>
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<td>Other</td>
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<td>Protect active farmland from wetland banking</td>
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<td>Septic tank impacts</td>
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<td>Effectiveness of waterway buffers</td>
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<td>No authority</td>
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<td>Sustained funding to treat the invasive waterweed, Hydrilla</td>
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<td>Insurance rates based on sea level rise</td>
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<td>Impacts of trawling restrictions in Secondary Nursery Areas related to beaches</td>
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