

**Draft Program Assessment
and
Enhancement Strategy
FY 2011-2015**

Southeast Regional Meeting

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Section 309

Coastal Zone Management Act

- **Provides non-matching federal funds for program enhancements.**
- **States conduct detailed Program Assessment and develop a 5-year Enhancement Strategy based on findings.**

Nine Program Enhancement Areas

Wetlands

Coastal hazards

Public access

Marine debris

Cumulative/Secondary Impacts

Special Area Management Plans

Ocean resources

Energy/Government facility siting

Aquaculture

What is a program change?

- Change to a coastal zone boundary
- New or revised authorities, including statutes, regulations, enforceable policies, administrative decisions, executive orders and MOA/MOUs
- New or revised local coastal programs and implementing ordinances

Program changes (cont.)

- **New or revised coastal land acquisition, management, and restoration programs**
- **New or revised Special Area Management Plans or plans for Areas of Particular Concern, including enforceable policies**
- **New or revised guidelines, procedures, and policy documents which are formally adopted by the State and provide specific interpretations of enforceable CZM policies.**

Program Area	2006 Assessment Rating	2010 Assessment Rating
Wetlands	Medium	Medium
Coastal Hazards*	High	High*
Public Access	Medium	High
Marine Debris	Low	Medium
Cumulative/Secondary Impacts	Medium	Medium
Special Area Mgmt Plans	Low	Medium
Ocean Resources*	High	High*
Energy/Gov't Facility Siting	Low	High
Aquaculture	Low	Low

DCM's Priority Enhancement Areas

- **COASTAL HAZARDS**
(3 program changes)
- **OCEAN RESOURCES**
(1 program change)

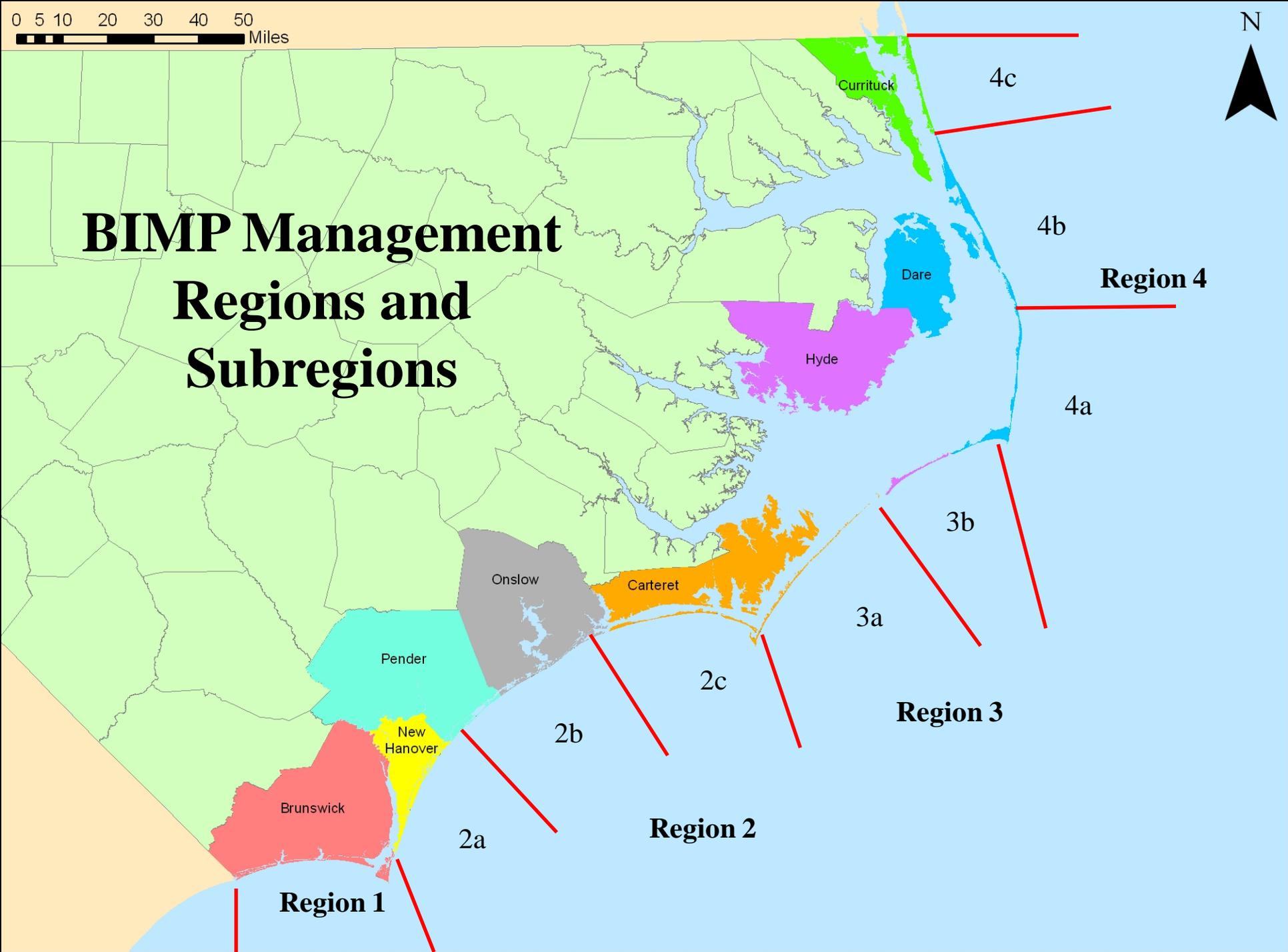
COASTAL HAZARDS STRATEGY

Program Change 1:

**Implementation of a Statewide,
Regional-based Beach and Inlet
Management Plan for North Carolina**



BIMP Management Regions and Subregions



COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 1

Science Panel on Coastal Hazards

Six categories of relevant variables to determine coastal hazards that are applicable to coastal planning

- Physical dynamics
- Geologic framework
- Subaerial coastal geometry
- Modern inlets
- Sediment budget
- Erosion/accretion rates

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 1

Implementing the BIMP

- Science Panel and stakeholders will assist to identify coastal processes and strategies
- Coastal processes data from BIMP
- Regional approach per 4 management regions (9 sub-regions) identified in the BIMP

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 1

Data included in the BIMP will be provided to state and local communities to:

- Assist in developing future land use and hazard mitigation strategies,
- Environmental review and permitting of mitigation strategies (i.e., location of development, beach nourishment, inlet management, water way dredging),
- Non-beach-fill mitigation strategies (i.e., relocation, retreat, land acquisition, increased beach access),
- Economic and social considerations for cost-benefit studies,
- Identification of funding sources,
- Types of coastal mitigation projects to be considered, and
- Prioritization of coastal mitigation projects.

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 1

Final outcomes:

- Statewide implementation of BIMP per 4 management regions
- Revised CRC rules
- Set of policies/programs addressing project funding
- Objective criteria for prioritization of projects based on public funding limitations
- Education and outreach efforts and materials

COASTAL HAZARDS STRATEGY

Program Change 2:

Development of New and Revised
Estuarine Shoreline Management
Rules

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 2

Continue to develop new and revised estuarine shoreline management rules and policies

Utilize 4 major initiatives:

- **NCNERR Bulkhead Study**
- **UNC Living Shorelines Study**
- **DCM Marsh Sills Evaluation Project**
- **DCM Estuarine Shoreline Mapping Program**

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 2

- **NC Estuarine Biological and Physical Processes Work Group**
- **CRC's Estuarine Shoreline Stabilization Subcommittee**
- **Marsh Sills General Permit Review Committee**
- **Estuarine Shoreline Mapping Team**

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 2

FINAL OUTCOMES:

- Analysis and utility of estuarine shoreline mapping data
- Modified General Permit for Marsh Sills?
- New and/or revised estuarine shoreline management rules/strategies
- Public education and outreach

COASTAL HAZARDS STRATEGY

Program Change 3:

**Development of a Sea Level Rise Policy,
Land Use Planning Guidelines, and
Updated Assessment Report**

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 3

North Carolina Sea Level Rise Assessment Report (March 2010)

(Prepared by CRC's Science Panel on Coastal Hazards)

- Recommends CRC adopt a rise of one meter (39 inches) by 2100 as a planning tool
- Report to be updated every 5 years as necessary

COASTAL HAZARDS STRATEGY

PROGRAM CHANGE 3

FINAL OUTCOMES:

- **Subchapter 7M policy on sea level rise**
(Adopted as the enabling mechanism for changes to the regulatory program)
- **Subchapter 7B Land Use Planning Guidelines**
(Requiring local governments to begin planning for SLR)
- **Updated SLR Assessment Report from Science Panel**

OCEAN RESOURCES STRATEGY

Program Change 1:

Development of a Coastal and Marine Spatial Planning Memorandum of Agreement and Recommendations Report to Better Manage North Carolina's Coastal and Marine Resources.

OCEAN RESOURCES STRATEGY

PROGRAM CHANGE 1

Coastal and Marine Spatial Planning

- Decision-making tool
- Public process of analyzing and allocating spatial and temporal distribution of human activities in marine areas
- Outline and characterize the marine resources available and where they are located
- Spatial comparison of current/proposed activities, highlighting potential user conflicts

OCEAN RESOURCES STRATEGY

PROGRAM CHANGE 1

Final outcomes

- **Memorandum of Agreement**
(consensus among agencies, determine which resources will be incorporated into CMSP)
- **CMSP Recommendations Report**
(identify user conflicts and future needs, prioritize resource uses, provide recommendations on implementation of CMSP)
- **Changes to ocean resource regulations**

The Strategy relates to several CRC priorities:

- NC Beach and Inlet Management Plan
- Estuarine shoreline stabilization
- Sea level rise
- Land use planning
- Ocean Policy
- Wind energy

Next Steps and Other :

**Public comment period: July 19 through
August 31, 2010**

**Working with NOAA/OCRM staff on
final document due January 31, 2011**

Budget and Projects of Special Merit

Strategy will begin on July 1, 2011

North Carolina's FY 2011-2015 Strategy

COASTAL HAZARDS (3 program changes)

- **Implementation of a Statewide, Regional-based Beach and Inlet Management Plan for North Carolina**
- **Development of New and Revised Estuarine Shoreline Management Rules**
- **Development of a Sea Level Rise Policy, Land Use Planning Guidelines, and Updated Assessment Report**

OCEAN RESOURCES (1 program change)

- **Development of a Coastal and Marine Spatial Planning Memorandum of Agreement and Recommendations Report to Better Manage North Carolina's Coastal and Marine Resources**