NOAA's Role in Coastal Zone Management in the Chesapeake Region



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Overview

- Who I am and what do I do at NOAA?
- The CZMA and State Coastal Programs
- Connections to NCBO and EPA
- National and state priorities and initiatives
- Some examples of project implementation related to TMDLs

Who am I, and what do I do?

Regional Coastal Management Specialist

- Federal liaison to State Coastal Management Programs (DE, MD, VA)
- Provide financial, technical, and policy assistance
- Provide linkages to NOAA resources and expertise
- Foster inter-office coordination
- Support regional collaboration and Regional Ocean Governance

National CZM Program

- Voluntary partnership program between the federal government and coastal states and territories
- Authorized by the Coastal Zone Management Act (CZMA) of 1972
- Comprehensive approach to coastal resource management using enforceable policies, coordination, and planning
- Balancing act between coastal resource use, economic development, and conservation

Program Goals

- Preserve, protect, and develop the nation's coastal resources
- Resolve conflicts among competing users
- Develop, approve and use comprehensive state management programs
- Improve cooperation and coordination among federal, state, and local governments
- Encourage public participation





Native Plants of Accomack and Northampton

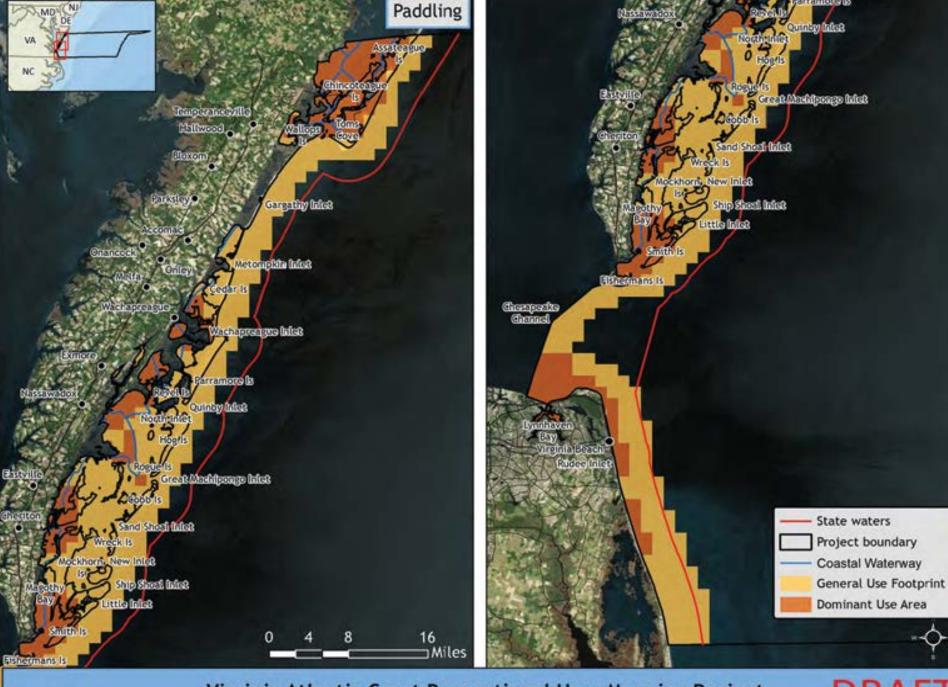
















Many Issues – Many Responses

- Smart growth Coastal smart growth incorporating resilience, Blue-green infrastructure planning
- Climate change Vulnerability assessments and adaptation plans
- CWA/TMDLs Water quality BMPs and planning assistance
- Pollution Marine debris reduction
- Habitat loss Land acquisition and conservation
- Managing specific geographies SAMPs
- Shoreline erosion Living shorelines
- Public access New sites and water trails
- Fisheries declines Oyster protection and restoration

NOAA's Coastal Office

- Administers the National CMP and the National Estuarine Research Reserve System (NERRs)
- Approves State Programs and changes to the programs
- Negotiates annual work plans/grants with the states
- Conducts evaluations of State CMPs and NERRs
- Formulates national coastal and ocean policy
- Provides management & technical assistance to all CZMA stakeholders
- Mediates disputes between states and federal agencies
- Provides training, geospatial tools, facilitation, and other services to partners

State Coastal Programs

- Implement Federally-approved Management Programs
- Establish and enforce state policies through federal consistency
- Coordinate with other state agencies & local governments
- Ensure public involvement
- Assess and update Management Programs
- Identify gaps and emerging issues
- Undertake pilot projects/test new approaches
- Develop Best Management Practices and inform national policies

NCBO and **EPA** Connections

• NCBO Authorization: "Coordinate the programs and activities of the various organizations within the National Oceanic and Atmospheric Administration, the Chesapeake Bay Regional Sea Grant Programs, and the Chesapeake Bay units of the National Estuarine Research Reserve System, including programs and activities in...coastal management and habitat conservation and restoration."

* Habitat Blueprint

* Fisheries-Land Use Connections

* CELCP Program

* Section 306A Public Access Projects

• EPA Connections:

- * Water quality planning (6217, TMDLs)
- * Coastal smart growth
- * Auto-incorporation of CWA regulations
- * Marine Debris/TFWs

Structure of the CZMA

- **Section 306** Program Implementation
- **Section 306A** Small-scale Construction
- **Section 307** Federal Consistency
- **Section 309** Program Enhancement
- **Section 313** Program Evaluation
 - Section 6217 (of CZARA of 1990) Coastal Nonpoint Pollution Control Program jointly administered with EPA
- Other facets: NERRS (315), CELCP (307A)

CZMA "Enhancement Areas" → Program Changes

- 1. Public Access
- 2. Wetlands
- 3. Coastal Hazards
- 4. Energy Facility Siting
- 5. Ocean Governance
- 6. Special Area Management Plans (SAMPs)
- 7. Cumulative and Secondary Impacts (Water Quality)
- 8. Marine Debris
- 9. Aquaculture

Current CMP Priorities

- Coastal Resiliency (Climate and Hazards)
- Ocean Management and Planning
 - Focus on offshore renewable energy development
- Habitat Management and Protection
- For each priority, we work to:
 - Formulate management strategies and national guidance
 - Support capacity building and training
 - Serve as a conduit for the exchange of strategies, tools, information and resources between federal, regional state and local managers, and other key partners

The Federal Consistency Provision

- It's An "Effects Test"...
- Federal Consistency is the requirement that Federal actions, in or outside the coastal zone, that affect any land or water use or natural resource of a State's coastal zone must be consistent with the enforceable policies of State Coastal Management Programs.

(CZMA Section 307 (16 U.S.C. § 1456))

The Federal Consistency Provision

- Federal actions and federal permits and licenses must be consistent with a state CMP's enforceable policies
- Important incentive for states to participate in the National CZM Program
- Requires that states regularly update their enforceable policies (laws, regulations, etc.) and obtain NOAA approval
- Primacy of State CZMA decisions is balanced with national interest components
 - Must give priority consideration to coastal dependent national interest activities: defense, energy, ports, transportation

National Ocean Policy

Nine **National Priority Objectives**



CZMA and CMSP

- NOAA engages in individual state ocean management and planning efforts as well as all of the regional, multi-State efforts, such as the Mid-Atlantic Council on the Ocean (MARCO) and the Mid-Atlantic Regional Planning Body (RPB)
 - NOAA participates on work groups, facilitates and promotes regional coordination
 - Provide information on the use of Federal Consistency, tribal consultation, interstate coordination, and data & tools, such as support for mapping portals
- CMSP will not replace state coastal management programs, but existing state efforts and Federal Consistency will inform regional CMSP processes

CZMA Results

- States receive between \$1M 2.3M annually to implement their programs.
- What has this provided?
 - Better land use plans and control of coastal development to protect coastal resources, maintain scenic qualities, manage polluted runoff, beneficial use of dredged material, etc.
 - Mitigation for coastal hazards (hurricanes, storms, erosion) –
 building codes, evacuation plans, building setback requirements,
 protection of dunes and beaches
 - Increased public access to coastal and ocean areas
 - A stronger State voice in Federal decisions affecting a State's coastal uses and resources – Federal Consistency

Water Quality Initiatives Maryland

Watershed Assistance Collaborative

Catalyst for improved coordination and capacity building among many partners providing services and technical assistance to local governments to advance implementation projects.

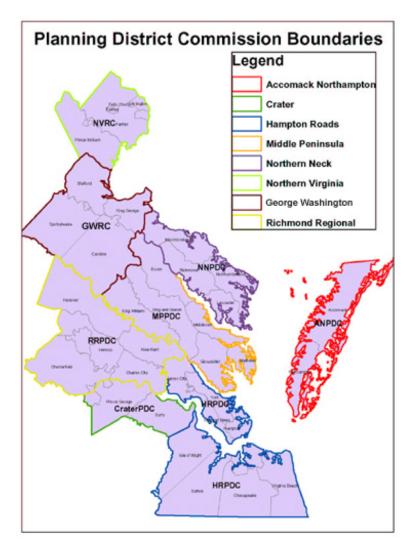
- Funding the Watershed Restoration Specialists
- Financing strategies from UMD Environmental Finance Center
- Many partners, including EPA, CBT, and Sea Grant

Water Quality Initiatives Maryland

- Support of Local/Regional Planning Specialists
 - Assist counties and towns in meeting state planning mandates, such as the WREs and WIPs
- Oversight of Trust Fund NPS Projects
 - Accelerating Bay restoration by focusing limited financial resources on the most effective NPS pollution control projects

- The Virginia CZM Program works with Planning District Commissions (PDCs) to support local efforts to manage coastal resources
- PDCs are state enabled, regionally created planning agencies
 - Purpose: "to encourage and facilitate local government cooperation and state-local cooperation in addressing on a regional basis problems of greater than local significance" (Code of Virginia, Section 15.2-4207)





- Regional Planning for Water Quality through the VCZMP
 - Annual Technical Assistance Grants to PDCs
 - Competitive Grants available for PDCs if funds are available
 - Section 309 Grants to PDCs
 - Hampton Roads PDC
 - Middle Peninsula PDC
- CZM funding has helped prepare local governments for requirements stemming from the Chesapeake Bay TMDL

Local stormwater program implementation

- Section 309 Grant (2011 present)
- Assessment of impacts on local governments from changes to stormwater management regulations
- Coastal Plain StormwaterBMP Guidance
- Guidance on Runoff Reduction Method

Practice	Preferred	Accepted	Restricted	Phosphorus Removal Efficiency (%)
Rooftop Disconnection	X			25
Sheet flow to open space	X			50-75
Rainwater Harvesting	Х			Up to 90
Permeable Pavement	Χ			59-81
Bioretention	X			55-90
Dry Swales	X			52-76
Wet Swales	Χ			20-40
Constructed Wetlands	Χ			50-75
Small Scale Infiltration	X			63-93
Soil Amendments		Χ		
Vegetated Roofs		X		45-60
Filtering Practices		X		60-65
Wet Ponds		X		45-65
Grass Channels			Χ	23
Extended Detention Ponds			X	31
Large Scale Infiltration			X	63-93

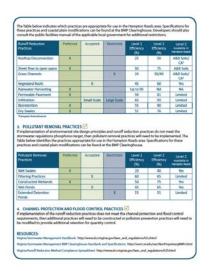
Local WIP enhancement

- Competitive Grant (FY11)
- Incentivizing voluntary BMPs on private property
 - Partnerships with local and regional nongovernmental organizations
- Analysis of promoting urban redevelopment as a strategy for the Chesapeake Bay TMDL

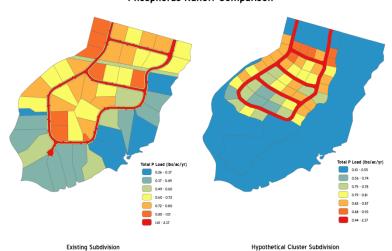
Policy Guidance

- Section 309 Grant (2011present)
- Review of local codes and ordinances to identify opportunities for improvement
 - Environmental site design
 - Transfer of Development Rights
 - Cluster Development
- Modeling of development impacts to inform local decision making









Contacting State CMPs

Call me or use your Google machine

- State CMP Managers:
 - Delaware: Bob Scarborough
 - Maryland: Matt Fleming
 - Virginia: Laura McKay