The RAFT
The Resilience Adaptation Feasibility Tool

Implementation Gap MANY TOOLS FEW RESOURCES

Welcome to the Comprehensive Coastal Resource Management Portal (CCRMP) for the City of Virginia Beach. This online resource is designed to assist with implementation of new policies established by the General Assembly in 2011, and to help local governments incorporate the guidance prepared by the Virginia Institute of Marine Science’s Center for Coastal Resources Management into local Comprehensive Plans when they come up for revision.

The addition of section §15.2-2223.2 establishes that Living Shorelines are now the Commonwealth’s standard for shoreline management wherever possible. The Comprehensive Coastal Resource Management Portal (CCRMP) provides access to data and tools for additional guidance on shoreline management practices that enhance resiliency and adapt to climate change and vulnerability.

For more information and guidance, please visit the links below. Return to the Comprehensive Coastal Resource Management Portal (CCRMP) home page.
HOW DOES THE RAFT FIT IN WITH OTHER RESILIENCY EFFORTS?

**General Assembly Initiatives**

1. **Jt. Subcommittee on Coastal Flooding (2014)**
   
   to form recommendations for a comprehensive planning effort to address recurrent flooding. Formed after VIMS’ 2013 Recurrent Flooding Study for Tidewater.
HOW DOES THE RAFT FIT IN WITH OTHER RESILIENCE EFFORTS?

General Assembly Initiatives

2. Commonwealth Center for Recurrent Flooding Resiliency (ODU/VIMS/VCPC at W&M Law School) and AdaptVA Portal
HOW DOES THE RAFT FIT IN WITH OTHER RESILIENCE EFFORTS?

**General Assembly Initiatives**


- Focused on ensuring state & local prevention, mitigation, and emergency response & recovery programs are fully integrated & effective in addressing risks from man-made and natural disasters.
- Also shall make recommendations to improve the resiliency of public & private critical infrastructure.
- Also shall designate an Emergency Management Awareness Group to facilitate communication between the executive, legislative & judicial branches of state government. The Group shall convene at the call of the Secretary of Public Safety during a state of emergency to share critical information.
HOW DOES THE RAFT FIT IN WITH OTHER RESILIENCE EFFORTS?

4. VA Sea Grant/ODU/HRPDC: Hampton Roads Adaptation Forums

5. Planning District Commissions
   • Accomack-Northampton PDC Climate Adaptation Working Group
   • Hampton Roads PDC Coastal Resiliency Committee
The Concept

- MULTI-DISCIPLINARY ACADEMIC PARTNERSHIP
- Core team: UVA-W&M-ODU/VSG
- Academic Advisory Team: UVA-W&M-ODU/VSG-VT
- Locality and Agency Advisors
The Concept

1. SCORECARD: Resilience Assessment

2. COMMUNITY WORKSHOP: Resilience Action Plan

3. IMPLEMENTATION: Ongoing Assistance
The SCORECARD

- Don’t Recreate the Wheel
- Interview Developers and Users
- Advisory Committee Guidance
3 Pilot Communities

~ Town
~ County
~ City
✓ The RAFT Part 1: Scorecard Resilience Assessment

Today ➤ The RAFT Part 2: Develop Resilience Action Checklist
➤ The RAFT Part 3: Implement Resilience Action Checklist
1. Share and discuss Scorecard Resilience Assessment findings
   a. What’s does the Scorecard cover?
   b. How did we do the Assessment?
   c. Our Findings

2. Discuss Your Community’s Strengths and Opportunities

3. Develop Resilience Action Checklist
ORIENTATION & METHODOLOGY

Scorecard Elements

- How is the Scorecard set up and what does it include?

Assessment Methods

- How did the RAFT team conduct the assessment?
Framed broadly, in terms of coastal hazards.

Attempt to cover environmental, economic, and social wellness factors.

1. Policy, Leadership, and Legislation
2. Future Risk and Current Infrastructure Assessment
3. Finance, Budgeting, Funding, and Economics
4. Land Use
5. Community Engagement
6. Community Health and Wellness
7. Ecosystems and Natural Resources
<table>
<thead>
<tr>
<th>Description</th>
<th>What is this topic and how does it relate to coastal resilience?</th>
</tr>
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<tbody>
<tr>
<td>Locality Actions</td>
<td>Examples of what a locality could do in this area that will make it more resilient.</td>
</tr>
<tr>
<td>Scoring</td>
<td>Defines scoring system for the topic. Core points and bonus points.</td>
</tr>
<tr>
<td>Data Sources</td>
<td>Indicates where information related to the subsection topic could be found.</td>
</tr>
<tr>
<td>Notes</td>
<td>Space to document where scoring information was found, how easy it was to find, and the rationale for the score.</td>
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## METHODOLOGY

<table>
<thead>
<tr>
<th>Graduate students</th>
<th>Five graduate students conducted independent assessments of the three pilot communities. Three graduate planning students at UVA and two law students at W&amp;M.</th>
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<tbody>
<tr>
<td>Split sections across three pilots</td>
<td>For consistency in the assessments, each graduate student was assigned 5-6 sections to evaluate for all three pilot communities.</td>
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<tr>
<td>Sources used</td>
<td>The graduate students conducted computer research to evaluate the sections assigned to them.</td>
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<tr>
<td>Core points and bonus points</td>
<td>Each section had a certain number of core points and, in some cases, bonus points available.</td>
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QUESTIONS?