

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Er 

Task: 1 Dept. of Environmental Quality - Virginia Coastal Zone Management Program  
Coastal Program Management

Project status: Current approved Final deliverable(s) status: Previously Submitted 10/30/2009  
Closed Start: End: Closeout:  
10/1/2008 3/31/2010 6/30/2010

Task: 1.01 Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research Reserve System  
Coastal Program Management Support

Project status: Current approved Final deliverable(s) status: Previously Submitted 10/30/2009  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 1.02 Virginia Commonwealth University  
Coastal GIS Support

Project status: Current approved Final deliverable(s) status: Previously Submitted 4/30/2010  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 1.03 Dept. of Environmental Quality - Virginia Coastal Zone Management Program  
Outreach & Publications

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
10/1/2008 9/30/2010 12/31/2010

Task: 2 Dept. of Environmental Quality Subcontract  
Quick Response Grants

Project status: Current approved Final deliverable(s) status: Funds transferred out of this task  
Pending Start: End: Closeout:  
10/1/2008 6/30/2010 9/30/2010

Task: 2.01 Back Bay Restoration Foundation  
Back Bay Restoration Foundation "State of the Bay" Conference

Project status: Current approved Final deliverable(s) status: Previously Submitted 10/30/2009  
Closed Start: End: Closeout:  
1/1/2009 6/30/2009 9/30/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 2.02 Middle Peninsula Planning District Commission  
Law and Policy Regarding Floating Homes

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
12/1/2009 9/30/2010 12/31/2010

Task: 2.03 Virginia Institute of Marine Science  
A Critique of Existing Methodologies for Developing Shoreline Management Plans for Local Governments

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
1/1/2010 12/31/2010 3/31/2011

This project critiques two different techniques for mapping and delivering management recommendations to local governments. Three pilot areas have been selected where baseline data necessary to support both methods have been collected. Stage one of the project was to complete the mapping and analysis for Method One – an automated Geospatial Shoreline Management Model -for two areas. This will bring both methods to completion for the three pilot areas. Stage two of the project is a comparative analysis of the two methods. Here a review of data extent, accuracy, time and efficiency, end products, etc will be prepared. Stage three presents this review to a group of stakeholders from the three pilot regions. Their comments and suggestions will be incorporated into a final review document.

During this reporting period efforts have focused on organizing and holding the stakeholder workshop which was held November 4, 2010 at the Virginia Institute of Marine Science. Nearly 75 participants were in attendance. The reporting period concentrated on preparing and gathering material for the workshop. Participants used audience response systems and other facilitation techniques to gather information regarding data, material formats, and priorities within agency programs. The workshop included county planners, local wetland board members, NGOs, and state regulatory agencies.

Following the workshop, time has been spent analyzing the workshop results in preparation for the final report. Also a revision to one of the original models has occurred. This has required us to re-analyze the comparison activities which occurred in the first and second reporting periods of this project. This update/revision was essential. We hope there is enough time to integrate the revised results into the final report.

Final Products	% Completion	Anticipated Completion Date
Geospatial Shoreline Management Model - complete 2 pilot areas	100	
Document comparisons between two methods	90%	October 15, 2010*
Conduct Stakeholder assessment of two methods	100%	November 4, 2010

Task: 3 Dept. of Environmental Quality - Environmental Impact Review  
Environmental Impact Review and Federal Consistency

Project status: Current approved Final deliverable(s) status: Previously Submitted 10/30/2009  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 4 Dept. of Environmental Quality - Environmental Education  
Community Environmental Education

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 5 Dept. of Environmental Quality - Chesapeake Bay Program  
Water Quality Improvement Fund Match (Tappahannock Wastewater Treatment Plant Upgrade for Nutrient Removal)

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 6 Virginia Marine Resources Commission  
Permit Review and Compliance

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 7 Dept. of Conservation & Recreation - Natural Heritage  
Habitat Conservation/ Locality Liason

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 8 Virginia Institute of Marine Science  
Tidal Wetlands Management Support

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 9 Virginia Institute of Marine Science  
2008 Submerged Aquatic Vegetation Distribution and Abundance Survey of Virginia's Chesapeake Bay and its Tributaries

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
10/1/2008 12/31/2009 3/31/2010

Task: 10 Dept. of Conservation & Recreation  
Eastern Shore Land Acquisition Morgan Tract 8 acres

Project status: Current approved Final deliverable(s) status: Previously Submitted

Closed Start: End: Closeout:  
2/1/2009 12/31/2009 3/31/2010

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 11.01 Dept. of Conservation & Recreation  
NEMO Support for Sustainable Community Planning

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 11.02 Dept. of Game & Inland Fisheries/VCU/DCR  
Assessment of Priority Green Infrastructure

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 11.03 Virginia Institute of Marine Science  
Estuarine Blue Infrastructure: Final Priority Conservation Areas for Chesapeake Bay and its Tidal Tributaries and Back Bay

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2009 3/31/2010 6/30/2010

Task: 12 TBD  
Sustainable Community Planning

Project status: Current approved Final deliverable(s) status: Project Canceled  
Cancelled Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 12.01 Accomack County  
Accomack County Blue-Green Infrastructure Planning

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
5/1/2009 4/30/2010 9/30/2010

Task: 12.02 George Washington Regional Commission  
Blue-Green Infrastructure Protection- Developing a Conservation Corridor Plan for the GW Region, Phase 1

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 12.03 Hampton Roads Planning District Commission  
Hampton Roads Climate Change Adaptation

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 12/31/2009 3/31/2010

Task: 12.04 Middle Peninsula Planning District Commission

Middle Peninsula Climate Change Adaptation- An Assessment of Potential Anthropogenic and Ecological Impacts of Climate Change on the

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 12.05 Northern Neck Planning District Commission

Northern Neck Blue-Green Infrastructure Protection

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 12/31/2009 3/31/2010

Task: 12.06 Northern Virginia Regional Commission

Northern Virginia Climate Change Adaptation- Sustainable Shoreline Community Management, Phase I

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 12.07 Richmond Regional Planning District Commission

Central Virginia Blue-Green Infrastructure Protection

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 12.08 Northampton County

Northampton Co. Blue & Green Infrastructure Protection, Phase I

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
6/1/2009 12/31/2009 6/30/2010

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 13 Dept. of Conservation & Recreation  
Kiptopeke State Park: CZM/Taylor Tract Songbird Habitat Restoration

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Attached
Closeout	Start:	End:	Closeout:	
	3/15/2010	12/31/2010	3/31/2011	

Park staff completed sign installations along Taylor Pond Trail in December 2010 by installing the Forest Succession sign. Completed work on the wildlife viewing blinds October 1, 2010.

Final Products	% Completion	Anticipated Completion Date
Songbird Habitat Restoration	100	April 30, 2010
Plant Eastern Shore Native Demonstration Garden	100	August 16, 2010
Native grasses Walking Trail and Pond Buffer	100	April 30, 2010
Phragmites Removal	100	September 30, 2010
Interpretive Signage	100	December 31, 2010
Wildlife Viewing Blinds	100	October 1, 2010

Task: 14 Town of Wachapreague  
Wachapreague Seaside Park Plant ES Natives Demonstration Garden

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Attached
Closeout	Start:	End:	Closeout:	
	9/15/2010	12/31/2010	3/31/2011	

To promote the use of native plants, a 12,500 square foot Plant ES Natives® Demonstration Garden was constructed in the southwest corner of the Wachapreague Seaside Park. The garden was designed and implemented by Kim Owen, a local landscape designer and owner of In Full Bloom. In Full Bloom also adopted and will maintain the garden with the assistance of a local nursery, Ivy Farms. The Plant ES Natives® campaign promotes the benefits and encourages the use of native plants. The garden was designed to be a 250 x 50 foot rectangular shape with one side bordering the parking area and the other side bordering the southern extent of the parcel. The garden is readily accessible from the parking area and the remainder of the park and will complement the park gazebo and benches already in place. The garden is designed to be interactive with a walking path and places to sit and experience the beauty of native plants and the habitat they provide. The Town plans to install interpretive signage at the site emphasizing native plant benefits when funding permits, as well as a sign acknowledging the garden as an official Plant ES Natives Campaign demonstration site. The site will also be featured on the Plant ES Natives campaign website and in a campaign brochure highlighting and encouraging use of demonstration sites.

The concept of the garden design was a collaboration of input from the Wachapreague Seaside Park Committee, Town of Wachapreague personnel, a local landscape designer, employees of the Accomack-Northampton Planning District Commission, and employees of the Virginia CZM Program. A meeting between the partners was held in August 2010 to develop design concepts, a construction plan, and a management plan.

Construction of the garden began in November 2010 with initial layout of the walking path and planting bed areas. Preparation of the planting beds began by removal of existing turf and installation of erosion and weed control matting. The removed turf was reused to create a berm along the eastern boundary of the garden adjacent to Atlantic Avenue to help buffer from intrusion of floodwaters. Following preparation, the native plants were installed according to the approved landscape design plan.

Native plants used in the demonstration garden were selected from the Native Plants of Accomack and Northampton guide produced through the Plant ES Natives campaign with an emphasis on selecting a diverse and thorough collection of Eastern Shore native plants that are especially tolerant of inundation from flooding. A total of 1,193 plants were installed in the garden.

Final Products	% Completion	Anticipated Completion Date
Final Report	100	12/31/2010

Task: 41 Accomack-Northampton Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Previously Submitted
Closed	Start:	End:	Closeout:	
	10/1/2008	9/30/2009	12/31/2009	

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 42 Crater Planning District Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Task: 43 Hampton Roads Planning District Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Task: 44 Middle Peninsula Planning District Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Task: 45 Northern Neck Planning District Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Task: 46 Northern Virginia Regional Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Task: 47 George Washington Regional Commission  
Technical Assistance Program

Project status:                      Current approved                      Final deliverable(s) status: Previously Submitted  
Closed                      Start:              End:              Closeout:  
   10/1/2008    9/30/2009    12/31/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 48 Richmond Regional Planning District Commission  
Technical Assistance Program

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 49 Virginia Beach/Virginia Aquarium and Marine Science Center  
Marine Mammal & Sea Turtle Stranding Response

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
1/1/2009 12/31/2009 3/31/2010

Task: 81 Dept. of Conservation & Recreation  
Coastal NPS Program Management

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 6/30/2010 9/30/2010

Task: 91.01 Virginia Institute of Marine Science  
Program Implementation: Coordinator Position

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 91.02 Environmental Law Institute  
RPCs & Amendments

Project status: Current approved Final deliverable(s) status: Project Canceled  
Pending Start: End: Closeout:

Task: 92 Middle Peninsula Planning District Commission  
Aquaculture: Local Policy Development

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
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Task: 93.01 Virginia Commonwealth University  
Coastal GEMS Maintenance

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 3/31/2010

Task: 93.02 Dept. of Conservation & Recreation - Natural Heritage  
Publicly Accessible Conservation Lands

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
6/1/2010 9/30/2010 12/31/2010

Task: 93.03 College of William & Mary - Center for Conservation Biology  
An investigation of a hemispherically important migratory staging area for whimbrel along the seaside of the Delmarva Peninsula

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
8/15/2009 3/31/2010 6/30/2010

Task: 93.04 Virginia Eastern Shorekeeper  
Seaside Special Area Management Plan: Recreational Use Survey & GIS Layer

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
9/1/2009 6/30/2010 12/31/2010

Task: 94.01 Virginia Institute of Marine Science  
Living Shoreline Design and Construction Guidance Manual

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 3/31/2010 6/30/2010

Task: 94.02 Virginia Institute of Marine Science - Center for Coastal Resources Management  
Shoreline Inventory Reports for York & Newport News: Phase 2

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NAO8NOS4190466  
for the period from #Error

Task: 94.03 Virginia Institute of Marine Science  
Shore Evolution in Four Virginia Localities

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 12/31/2009 3/31/2010

Task: 94.04 Virginia Institute of Marine Science  
Shoreline Management- Draft Management Plan MOA and Guidance Document for Local Governments

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 95 Middle Peninsula Planning District Commission  
SAMP: Dragon Run

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 3/31/2010 4/30/2010

Task: 96 TBD  
SAMP: Seaside Eastern Shore

Project status: Current approved Final deliverable(s) status: Project Canceled  
Pending Start: End: Closeout:

Task: 96.01 The Nature Conservancy  
Seaside Special Area Management Plan: Project Team Administration and Avian Distribution Evaluation

Project status: Current approved Final deliverable(s) status: Attached  
Closeout Start: End: Closeout:  
10/1/2009 9/30/2010 12/31/2010

Task: 96.02 Virginia Institute of Marine Science  
Seaside Special Area Management Plan: Spatial Information Analysis and Interpretation for Shellfish Grounds and SAV Beds

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2009 3/31/2010 6/30/2010

Year: 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
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for the period from #Error

Task: 97.01 Middle Peninsula Planning District Commission  
MPPDC Inventory of Non-traditional OSDs and Impacts on Land Use Patterns

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 9/30/2009 12/31/2009

Task: 97.02 Hampton Roads Planning District Commission  
Hampton Roads Conservation Corridor Update and Implementation

Project status: Current approved Final deliverable(s) status: Previously Submitted  
Closed Start: End: Closeout:  
10/1/2008 12/31/2009 3/31/2010