

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from 

Task: 1	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total: \$279,000.00						
Coastal Program Management								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>3/31/2013</td> <td>6/30/2013</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	3/31/2013	6/30/2013	
Start:	End:	Closeout:						
10/1/2011	3/31/2013	6/30/2013						

All tasks are complete however a few thousand dollars may remain; therefore this task is being held open through March 2013.

Policy Products: The VA CZM staff spent a good deal of time preparing for one of a handful of CZMA 40th anniversary events held across the country. The June 11 event in Virginia focused on water quality, included creation of many fact sheets, exhibits, talking points and a boat tour for attendees. Prior to the event the CZM Manager spent time with a reporter from a Richmond paper which led to a front page article. Coastal Policy Team met Sep 17 and notes are being posted on the website.

RPCs and Amendments: A revised scope of work regarding program change support was negotiated with ELI and approved by NOAA during the reporting period. The new scope focuses on updating the portions of Virginia's fish and wildlife enforceable policies that do not involve threatened or endangered species (TES), so that this updated set of policies can be advanced independently of any other code sections that do involve state-listed TES. ELI is also working to document the issue by evaluating the outcomes of TES recommendations produced through the current environmental review process and evaluating opportunities for improved state TES protection under the current policies for federal consistency, including a comparison with nearby states. The ELI grant agreement for FY 10 Task 91 was extended until 03/31/2013 in order to accommodate this re-prioritization.

Grant Administration & Reporting: A Section A, Semiannual Progress Report, a Section B Agency Report, and a Section C Success Stories Report was compiled and submitted to NOAA on April 30, 2012 for the reporting period of Oct. 1, 2011-Mar. 31, 2012. Semiannual Progress reports from grantees and information for the Section B and Section C reports was gathered by CZM staff for the reporting period of April 1, 2012-Sept. 30, 2012. The CZM Manager and Coastal Planner monitored grant activities through phone calls and site visits. And the Grants Coordinator and CZM Manager processed extension and budget amendment requests, 306 A documentation approvals, SAC removals, and reprogrammed money using the Grants Online system.

FY 2012 CZM Grant Application: The FY 2012 Draft application was submitted to NOAA on April 17, 2012, and the FY 2012 Final application was submitted to NOAA on May 10, 2012 via the CAMMP, Grants Online, and Grants.gov systems. Five PDC projects totalling \$175,000 have been selected for funding through a competitive process. The topics to be addressed are working waterfronts, coastal resiliency, water quality protection, native plants, and a 306a public access project.

FY 2013 CELCP Grant Application: With no funds appropriated to support a Federal Funding Opportunity for CELCP in FY 2013, no coordination for Virginia CELCP proposals has taken place. However, Virginia's CELCP plan has been approved and signed by the Virginia CZM Program's lead agency director (DEQ) and was submitted to NOAA CELCP staff in early October for final approval.

Performance Measures: In September, CZM staff solicited information from the necessary sources to assist in completing the Oct. 1, 2011 – Sept. 30, 2012 Performance Measures report.

Mid-Atlantic Regional Council on the Ocean Documents: The CZM Manager led quarterly Ocean Planning Action Team calls on April 25 and August 1. Meeting notes are posted on the MARCO Sharepoint site. She also hosted the May 6-9 MARCO Management Board meeting in Cape Charles VA - notes are on Sharepoint. The CZM Manager moderated a session at the International MSP Symposium in Rhode Island on May 16. The CZM Manager delivered talking points for a send-off event for NOAA's ship the Okeanos Explorer out of Norfolk on May 24. The ship explored mid-Atlantic canyons, taking into account MARCO priorities. She presented a slide show at the June 5 Virginia Wind Energy Task Force meeting on ocean planning, VA CZM's role, MARCO's role and the Mid-Atlantic Regional Planning Body to be created. VA CZM held an Ocean Planning Kick-off meeting on June 28 and those notes are being posted on the CZM website. July 10-12 VA CZM hosted the Recreational Use PGIS Mapping Workshops in Melfa. Draft maps are completed and are currently being validated. CZM Manager participated in the August MARCO Board meeting. CZM Manager met with ports & shipping industry reps on Sep 27 – notes will be posted on CZM website.

Section 312 Evaluation Materials: No 312 evaluation was scheduled however CZM staff did review the new 312 procedures draft document prepared by NOAA.

Final Products	% Completion	Anticipated Completion Date
Policy Products <input type="checkbox"/>	100 <input type="checkbox"/>	
RPCs and Amendments <input type="checkbox"/>	100 <input type="checkbox"/>	
Grant Administration & Reporting <input type="checkbox"/>	100 <input type="checkbox"/>	
FY 2012 CZM Grant Application <input type="checkbox"/>	100 <input type="checkbox"/>	
FY 2013 CELCP Grant Application <input type="checkbox"/>	100 <input type="checkbox"/>	
Performance Measures <input type="checkbox"/>	100 <input type="checkbox"/>	
Mid-Atlantic Regional Council on the Ocean Documents <input type="checkbox"/>	100 <input type="checkbox"/>	
Section 312 Evaluation Materials <input type="checkbox"/>	100 <input type="checkbox"/>	

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 1.01	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R	Current Federal Total:	\$102,942.00
Coastal Management Support			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:
	10/1/2011	9/30/2012	12/31/2012

See Task 1 for deliverables.

Task: 1.02	Virginia Commonwealth University	Current Federal Total:	\$87,180.00
Coastal Management GIS Support and Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:
	10/1/2011	9/30/2012	12/31/2012

The progress report submitted for the first half of FY11 documented products for each of the six deliverables listed in the task 1.02 grant. While this progress report for the second half FY11 documents products for some of those deliverables, it also includes additional products not listed in the task 1.02 grant.

VCU CES staff performed Coastal Gems maintenance during this grant project period. Coastal Gems remained operational and was only offline to install software/security updates or to refresh map services. Google Analytics remains operational and provides access and web statistics for the Gems application. From April 1, 2012 to September 30, 2012, Coastal GEMS received 530 visits from 325 unique visitors resulting in 686 pageviews and an average site visit time of 1 minute and 56 seconds. Data requests and other inquiries received regarding the Coastal GEMS application and the datasets it hosts were responded to in a timely manner. Coastal GEMS can be accessed online at: www.coastalgems.org

The Coastal GIS Coordinator helped to plan, prepare for, and run Virginia's 2012 Atlantic Coast recreational use mapping project. The Coastal GIS Coordinator helped identify and invite stakeholders, tested the eBeam digital whiteboard technology used during the workshop, pulled together basemap data, defined the study area, created print materials for the workshop, and continued to work with NOAA staff as the data was processed and maps were created. The Coastal GIS Coordinator presented about participatory GIS and demonstrated the eBeam technology for the MARCO board, the Coastal Policy Team, and for ocean use stakeholders at VA's Ocean Planning kickoff meeting and provided support to other MARCO states in planning their own recreational use mapping workshops. The Coastal GIS Coordinator also worked with ANPDC staff to design a methodology for recreational use survey flights along VA's Atlantic coast

The Coastal GIS Coordinator worked with VCU CES staff to develop a new version of the Coastal GEMS online mapping application with many new features and improved functionalities. The Coastal GIS Coordinator worked to update contact information and links for all of Coastal GEMS 60+ data layers and worked with data providers to make sure the most current versions of each dataset were available on Coastal GEMS. The Coastal GIS coordinator gave a joint presentation with VCU CES staff at the Coastal Policy Team meeting outlining the new features and functionalities of Coastal GEMS version 3.

The Coastal GIS Coordinator produced various maps as requested by VA CZM staff including a human use map for the VA Ocean Planning kickoff meeting and a map for attendees of the CZM 40th anniversary event.

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Maintenance	100 <input type="checkbox"/>	
Coastal GEMS Updates <input type="checkbox"/>	100 <input type="checkbox"/>	
Coastal GEMS Data Liaison	100 <input type="checkbox"/>	
Coastal GEMS Training Program <input type="checkbox"/>	100 <input type="checkbox"/>	
Identification of Data Needs and Initiatives <input type="checkbox"/>	100 <input type="checkbox"/>	
GIS Map Products <input type="checkbox"/>	100	

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 1.03	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$98,000.00
Virginia CZM Program Outreach & Publications					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start:	End:	Closeout:		
	10/1/2011	9/30/2012	12/31/2012		

Multi-Media Outreach Strategies: Staff coordinated and implemented the 2011-2012 VACZM outreach plan as set forth in the FY 2011 task 1.03 scope of work, including a multi-media strategy to highlight the program's habitat restoration efforts and successes, and continued implementation and refinement of a social marketing strategy for the Plant ES Natives campaign. Implementation and results of these strategies are outlined in more detail below. Staff continued to share the program's experience and lessons learned in social marketing, and to encourage expansion of efforts to increase native plant use in other coastal regions, including consultation with VACZM and NVRC staff on a Northern Virginia native plant social marketing campaign and with the Virginia Native Plant Society on a new marketing effort in the Northern Neck. Staff engaged state and local CZM partners and stakeholders, and other NOAA supported programs in ongoing efforts to coordinate and collaborate on communication, marketing and education efforts and to maintain Virginia CZM visibility. Staff participated in a Sea Grant communication focus group. Sea Grant and CBNERRVA communication staff welcomed the idea of using Virginia CZM's multi-media messaging and communication strategy framework as a tool to facilitate collaboration on shared issues and projects, and are also eager to develop with VACZM a "Story Development Forum" to be more proactive in collaborating on coastal management stories, consistent messaging and improved visibility and credit for our programs' efforts and investments. The Virginia Resource Use Education Council (staff has represented the VACZM on the council) presented the annual Otter Award to the Virginia CZM Program for its many years of support to environmental education.

Print and Electronic Media: Staff began coordinating production of a fall-winter issue of the Virginia Coastal Zone Management magazine. Publications produced include: a Section C Report on the program's oyster restoration efforts and successes; a revision and reprint of Barrier Island Beach Nesting Bird brochure – "Life on the Beach Isn't Always Easy"; a series of 15 new accomplishment fact sheets highlighting the work of the Virginia CZM Program and CBNERRVA and the 40th anniversary of the CZMA. Publications initiated and under production include: a reprint of the very popular Virginia Oyster Gardening Guide, which will be edited based on feedback from users of the guide, including testimonials from gardeners. Staff also produced multi-media materials for the Plant ES Natives including: new display panels and fact sheets; a new Plant ES Natives pencil; a series of native plant ID markers for the 100 species planted in the campaign's 10 demonstration gardens – this entailed writing content for many of the markers; and, fall campaign radio ads. Staff produced temporary signage for CZM public access sites in the Town of Cape Charles, and began working with staff on designing and printing permanent signage and also began working with DCR staff to produce new acknowledgement and interpretive signage for the CZM supported Cape Charles Natural Area Preserve. Staff also worked with VACZM staff to complete a package for the DEQ director highlighting Virginia CZM accomplishments, including PP slides and publications, which will be used in DEQ 20 anniversary materials and presentations. Staff initiated Virginia CZM use of Constant Contact for on-line communication, specifically for the Virginia Marine Debris Summit and Virginia Coastal Partners Workshop. Staff continued efforts to rebuild the Virginia CZM website, including site-wide content revision and navigational changes, in response to the redesign and conversion of DEQ's website to new content management software. Staff continued to serve on the DEQ Web Steering Committee.

Events and Training: Staff began working with staff to plan the December 2012 Virginia Coastal Partners Workshop including development of a theme focused on engaging stakeholders in coastal management. Staff designed a workshop logo illustrating this theme, and included the new logo on a "Save the Date" developed and distributed through Constant Contact. Staff assisted with logistics for two events held in collaboration with NOAA partners: a tour of the NOAA Okeanos research vessel arranged in collaboration with Virginia Sea Grant and a CZMA 40th anniversary event with CBNERRVA at VIMS. The CZMA 40th event resulted in articles in three newspapers which credited Virginia CZM's efforts. Staff is currently serving on a planning committee for the multi-partner Virginia Marine Debris Summit in 2013, and is playing a leading role in communications. Staff designed a summit logo, distributed a "Save the Date" through Constant Contact, and worked with summit partners to draft a pre-summit survey to help guide agenda development. As part of the Plant ES Natives Campaign strategy, staff continued to guide the activities of the "Community Leaders" (CLs), and coordinated dedication of the demonstration garden in Wachapreague Seaside Park previously postponed due to hurricane Irene (FY08 Task 14). The Eastern Shore News attended the event, and a very favorable article appeared in the paper. Staff coordinated an exhibit schedule for the program, and displays at over a dozen events, including a large exhibit at the CZMA 40th event, and coordinated purchase of new display hardware with a professional and eye-catching header featuring the Virginia CZM logo.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Multi-Media Outreach Strategies	100	
Printed Media	100	
Events and Training	100	
Electronic Media	100	

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 2	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$14,111.00
Quick Response Grants					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start:	End:	Closeout:		
	10/1/2011	3/31/2013	6/30/2013		

About \$5,400 still remains in this task which will be reprogrammed soon.

Task: 2.01	Back Bay Restoration Foundation			Current Federal Total:	\$2,760.00
Back Bay Restoration Foundation State of the Bay Conference					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Attached
Open	Start:	End:	Closeout:		
	2/15/2012	6/30/2012	9/30/2012		

Back Bay Restoration Foundation (BBRF) and the Virginia Coastal Zone Management Program co-hosted the 2012 Back Bay Forum on March 15, 2012 for 91 attendees comprised of BBRF members, students, home/land owners, Virginia Beach City officials, representatives from state and federal agencies, and other stakeholders at the Advanced Technology Center in Virginia Beach. Presentations included: "A History of Back Bay" by Barbara Henley (V.B. City Councilwoman), "TMDL Regulations and implications for Back Bay" by Jennifer Howell (VA DEQ), "Update on Back Bay Fishery" by Chad Boyce (VDGIF), "Back Bay Waterfowl Surveys" by Gary Costanzo (VDGIF), "Biological Update for Back Bay NWR" by John Gallegos (USFWS), "VDGIF Update on Activities at Princess Anne WMA" by Phil West (VDGIF), "Sea Level Rise Increases Urgency for Conservation Corridors" by Skip Stiles (Wetlands Watch), "Fecal Source Tracking" by Rachel Noble (UNC-Chapel Hill), "Lake Tecumseh Weir Project" by Will Smith (USFWS), "Agricultural Best Management Practices and Implications for the Back Bay watershed" by Katie Sanford (VA Dare SWCD), "Back Bay Invasive Species" by David Bishop (USFWS), "Tracking the Effectiveness and Popularity of Living Shorelines for Erosion Protection" by Karen Duhring (VIMS), and "The City of V.B. Sustainability Plan" by Clay Bernick (City of V.B.).

Pertinent displays featuring area conservation/environmental non-profits including Master Naturalists, Back Bay Wildfowl Guild, Lynnhaven River Now and others were available to attendees throughout the day. Forum agendas, signage and badges acknowledged VA CZMP support. Presentations from presenters are available on the BBRF website (<http://www.bbrf.org/annualevents/backbayforum.html>). CDs containing PowerPoint presentations of all presentations were provided upon request. BBRF staff and Board of Directors used the feedback form, discussion results and other thoughtful feedback to identify issues and format suggestions that will be used to improve future Back Bay Forums.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Deliverables: Forum agenda and nametags <input type="checkbox"/>	100	7/15/2012
Deliverables: CDs of 2012 Forum Presentation, website link <input type="checkbox"/>	100	7/15/2012
Deliverables: Action Plan and survey review <input type="checkbox"/>	100	7/15/2012
Final Financial Report <input type="checkbox"/>	100	7/15/2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 3	Dept. of Environmental Quality - Environmental Impact Review	Current Federal Total: \$200,900.00						
EIR and Federal Consistency								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

During the second half of FY 2011, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 146 development projects and management plans for consistency with the Virginia Coastal Zone Management Program (VCP). This represents 88% of the total amount of projects (166) reviewed during this period. Major state projects accounted for 20 projects, 86 were federal actions, and 40 were federally funded projects (predominantly local government projects). The 86 federal projects included 56 federal agency activities, 2 Outer Continental Shelf (OCS) activities, 18 federal licenses and approvals, and 7 U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects, 2 Health Resources and Services Administration grants and 1 USDA Rural Development assistance (i. e. 10 projects submitted as a residual category pursuant to the federal consistency regulation (15 CFR 930.31(c)). All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines.

Events/Meetings: On July 25, 2012, OEIR staff attended a meeting held by the Army National Cemeteries in the Visitors' Center belonging to Arlington National Cemetery (ANC) regarding the progress of a Master Plan and Programmatic Environmental Assessment (EA) for the ANC.

On August 8, 2012, OEIR attended a public meeting held by the U.S. Fish and Wildlife Service (FWS) in Richmond. The FWS developed a Comprehensive Conservation Plan and Environmental Assessment (CCP/EA) to guide the management of Presquile National Wildlife Refuge for the next 15 years.

The OEIR continues to maintain a website for Federal Consistency Reviews and can be accessed through DEQ's main webpage or found at <http://www.deq.virginia.gov/Programs/EnvironmentalImpactReview.aspx> The OEIR webpage is updated weekly.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Federal consistency determinations and certifications responses <input type="checkbox"/>	100% <input type="checkbox"/>	
Consistency outreach effort –none was undertaken during this period due to heavy workload and lack of opportunities to work jointly with other agencies.		

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 4	Dept. of Environmental Quality - Environmental Education	Current Federal Total: \$92,267.00						
Environmental Education								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

1. Environmental Education Leaders: The delivery of six professional development workshops and webinars trainings was completed by the Community Education Specialist, David Ruble. Coastal GEMS workshop was delivered to Amherst County High School teachers to help them connect their ecology and environmental studies courses from the headwaters to the Chesapeake Bay. Topics for webinars included Blue & Green Infrastructure at the Local and Regional Scale, Getting Families Outdoors, and Establishing a Native Plant Social Marketing Campaign. Webinars were coordinated with the Richmond Regional Planning District Commission, George Washington Planning Commission, Crater Planning District Commission, Friends of the Rappahannock, Virginia DEQ, and Virginia CZM Program. David Ruble also delivered a presentation to the Crater PDC exploring how nutrient reductions can be met through public education campaigns. Work was completed and published on the web for the Watershed Profile, another self-certification for Environmental Education Leaders. A dozen educators are enrolled in this year's program and have completed one or more certifications. David maintained ongoing communication with the 129 EE leaders currently in the program.

2. Maintaining and Enhancing Capacity for Delivering Environmental Education in Virginia: The EE Office manager Ann Regn, working with key leaders, completed the following: 1) Virginia Association of Science Teachers (VAST) minigrants program—seven mini-grants reaching approximately 500 teachers were awarded to VAST regional chapters for local trainings developed collaboratively and co-sponsored by regional EE teams to offer STEM and MWEE workshops 2) Mid-Atlantic Environmental Literacy plan was completed with input and review by other Virginia natural resource agencies. Ann coordinated workgroup tasks and Virginia's participation and lead discussion topics pertaining to evaluating literacy priorities in Virginia. 3) Virginia Resource Use Education Council met on May 30 to recognized 35 watershed leaders, as well as VA CZM as an EE supporter. Regional EE Team leaders, who are now Council members, are more fully participating in implementation of education on the local level. The Council's partnership with VAST continues to grow; Ann coordinated efforts to offer a plenary session and workshops for the VAST annual PDI (professional development institute). 4) Ann continued to co-chair the Chesapeake Bay Education Workgroup to coordinate efforts between MAR Plan and the Bay Back Pack. The workgroup proposed funding to the STAC committee to conduct a workshop with national EE evaluation leaders to organize and promote best practices in evaluation effective environmental education. 5) Ann reviewed 15 grant proposals for the Virginia Environmental Endowment in June 6) Ann is serving on the implementation team for the Center for Environmental Education Excellence helping to draft its plan which has been accepted by Longwood University. 7) Ann worked with the Department of Conservation and Recreation during this period to ensure a smooth transition of the Virginia Office of Environmental Education to DCR on July 1st. She participated in planning for the annual EE conference (Oct 2012).

Final Products	% Completion	Anticipated Completion Date
Environmental Education Leaders <input type="checkbox"/>	100%	September 2012
Capacity Building <input type="checkbox"/>	100%	September 2012

Task: 5	Dept. of Environmental Quality	Current Federal Total: \$0.00						
Water Quality Improvement Fund (WQIF) Match - Town of Cape Charles Wastewater Treatment Plant Nutrient Removal Upgrade								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

Construction of the new Town of Cape Charles' wastewater treatment plant with enhanced nutrient removal technology has been completed. Construction began in October 2009 and was completed in September, 2012.

During this reporting period, reimbursements totaling \$321,760.16 were made to the Town. In the period since October 2011, reimbursements totaling \$967,099.15 have been made to the Town for this project, which exceeds the 901,578.00 in State General Funds needed to provide a match for the Coastal Zone Management Program.

Final Products	% Completion	Anticipated Completion Date
Certificate to Operate – Town of Cape Charles nutrient reduction system <input type="checkbox"/>	100%	Completed

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 6	Virginia Marine Resources Commission	Current Federal Total: \$160,000.00						
Permit Review & Compliance								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

During the reporting period, VMRC received a total of 1,015 joint permit applications. Actions were completed on 965 projects, some of which were received prior to the reporting period. During the reporting period, 144 compliance inspections were conducted for previously issued permits. Also 80 compliance inspections for the random sample of 130 projects permitted by local wetland boards were completed.

During the reporting period, local wetland boards throughout Tidewater Virginia acted on 271 projects involving tidal wetlands. Of this total, 188 were approved as proposed, 56 were approved as modified, 6 were denied and 18 required compensation either on or off site (3) or through payment of an in lieu fee (19) accounting for 13,529 square feet of tidal wetland impacts.

Final Products	% Completion	Anticipated Completion Date
Collect permit Compliance data for projects permitted by VMRC <input type="checkbox"/>	Ongoing <input type="checkbox"/>	
Collect permit compliance for wetland projects permitted in 2010	100%	September 2012
Compile data for entry into database	100%	September 2012

Task: 7	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total: \$50,000.00						
Habitat Conservation/Locality Liaison								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

--Multiple presentations were given to localities and land trusts including Essex and James City counties, and the cities of Suffolk and Virginia Beach; and the Newport News Green Foundation, Eastern Shore Land Trust and the Center for Forest and the Wood Certification. In addition, three state agencies, one federal agency and eight consultants were trained. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, The Natural Heritage Data Explorer (NHDE) website, the Virginia Conservation Lands Needs Assessment (VCLNA), the Land Conservation Data Explorer (LCDE), the Wetlands Catalog and the Virginia Ecological Value Assessment (VEVA) portion of Coastal GEMS.

--For 4/01/12 through 9/30/12, 504 projects were reviewed for impacts to natural heritage resources in the coastal zone (46% of the projects reviewed statewide). The Final EA for the North Wallops Island Unmanned Aerial Systems Airstrip came up for review. Due to the presence of the potentially new rare species of Anomalous eupatorium and the globally rare Maritime Dune Woodland within the proposed project area, NASA, Project review staff and Inventory staff agreed to an establishment of research areas and inclusion of these areas in the master planning process for Wallops Island for the preservation of the remaining areas on Wallops Island supporting these natural heritage resources. Additionally, natural heritage resource information was provided to the USFWS for Chincoteague and Presquile National Wildlife Refuges comprehensive Conservation Plans.

--82% of the localities, 71% of the Land Trusts and 100% of the PDCs in the coastal zone have Natural Heritage data.

--Locality Assistance: The Locality Liaison provided natural heritage resources information, or updated information to Accomack, Hanover, Gloucester, King George, King William and Chesterfield counties and the City of Chesapeake for inclusion in their updated Comprehensive Plans. The Locality Liaison is currently working with Stafford and King and Queen counties, to provide them with Natural Heritage language and maps for inclusion in their comprehensive plans. Additional localities have been contacted to determine schedules for comprehensive plan updates.

--A new Natural Heritage Data Explorer (NHDE) is being developed on an ArcServer platform with NatureServe. The new site will have enhanced functionality for both the general public and subscription users. In addition, the new NHDE will serve as a model for other Natural Heritage programs in other states to develop similar tools with NatureServe.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Project Review	100%	September 30, 2012
Locality Assistance Program Presentations <input type="checkbox"/>	100% <input type="checkbox"/>	September 30, 2012
Natural Heritage Data for Coastal Partners <input type="checkbox"/>	100% <input type="checkbox"/>	September 30, 2012
Improvements to Natural Heritage Data Tools <input type="checkbox"/>	100% <input type="checkbox"/>	September 30, 2012
Final Report <input type="checkbox"/>	100% <input type="checkbox"/>	November 15, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 8	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

Outreach Education:

- 1/18/12 – Climate Change Adaptation Workgroup – Eastern Shore
- 5/24/12 – Tidal Wetlands Workshop – Sea Level Rise, Planning for the Future – VIMS
- 6/19/12 – Tidal Shoreline Management – Hampton Roads PDC
- 9/18/12 – Comprehensive Coastal Resource Mgmt Plan’s – Northern Neck PDC

CCRM Advisory Activity:

	Information Requests	Add'l Field Visits	Meetings	Advisory Reports	Website Hits
APR	166	3	26	8	57
MAY	178	0	44	2	78
JUN	175	0	34	4	55
JUL	151	1	17	2	74
AUG	170	0	22	4	82
SEP	144	0	21	5	72

Wetlands Reports:

The Center for Coastal Resources Management continues to post Joint Permit Applications with VMRC assigned numbers in a searchable database on our website. To view the original shoreline permit applications, as well as the associated VIMS comments, additional information, photos, and public hearing information for every application reviewed by the Wetlands Program staff please see:
<http://ccrm.vims.edu/perms/newpermits.html>.

Publications:

- Rivers & Coast, Spring 2012, Vol 7, No. 1 – Living Shorelines: Integration of Shoreline Management & Policy
http://ccrm.vims.edu/publications/pubs/rivers&coast/vol7_no1LSPolicy.pdf
- Rivers & Coast, Fall 2012, Vol 7, No. 2 – Recurrent Flooding Study
http://ccrm.vims.edu/publications/pubs/rivers&coast/fall2012_recurrent_flood.pdf
- Virginia Wetlands Newsletter, Spring 2012, Vol 27, No. 1 – Sea Level Rise, State of the Science
http://ccrm.vims.edu/publications/publications_topics/vwr/vwr_2012_spring.pdf
- Virginia Wetlands Newsletter, Fall 2012, Vol 27, No. 2 – Tidal Marsh Inventories
http://ccrm.vims.edu/publications/publications_topics/vwr/vwr_2012_fall.pdf
- CCRM e-News April 2012 (Living Shorelines Policy/Senate Bill 964, workshop announcement)
- CCRM e-News May 2012 (workshop reminder)
- CCRM e-News July 2012 (40th Anniversary of Virginia Tidal Wetlands Act)

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Product #1 – Outreach Educational Offerings <input type="checkbox"/>	100	Sept 30, 2012
Product #2 – Permit Application Reviews <input type="checkbox"/>	100	Sept 30, 2012
Product #3 – Outreach Publications <input type="checkbox"/>	100	Sept 30, 2012
Product #4 – Wetlands Program Database <input type="checkbox"/>	100	Sept 30, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 9	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2011 Submerged Aquatic Vegetation Distribution and Abundance Survey of Virginia's Chesapeake Bay and its Tributaries			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2011 12/31/2012 3/31/2013		

A draft report of the 2011 SAV monitoring was submitted to the VA CZM Program. VIMS has received comments for the draft and have modified the report and checked all data based on the appropriate protocols developed in the QA-QC procedure approved by the USEPA. The final report is under assembly and will be completed on time.

SAV data can now be viewed at:
<http://vims.edu/bio/sav/sav11/index.html> and also on the VIMS interactive map: <http://vims.edu/bio/sav/maps>.

Final Products	% Completion	Anticipated Completion Date
Draft Final Report <input type="checkbox"/>	100 <input type="checkbox"/>	
Final Report <input type="checkbox"/>	0	Dec., 2012

Task: 10	Dept. of Conservation & Recreation	Current Federal Total:	\$27,000.00
VNEMO Program Implementation in Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

For the grant reporting period, the Environmental Analyst at the Virginia Commonwealth University serving as the Coastal NPS Program Manager, continued to implement the Coastal NPS Program, VNEMO Program and the Virginia Healthy Waters Program at the Virginia Department of Conservation and Recreation.

NVRC, VCU and UVA/IEN hosted a "Looking back to move forward" workshop sharing with the entire working group and their localities the work and efforts of the previous two years to advance sea level rise communication. This workshop was held in the Spring, 2012 at the Fairfax County Government Complex and was attended by approximately 25 participants.

The Coastal NPS Program Manager continued the management of the +\$2M, NFWF funded, project at the Virginia Science Museum. The Manager continues to share the Project Management role with the Director of Science at the Museum. Construction continued at the Science Museum of Virginia on the bioretention, porous pavement, and the tree well filters. In addition, the installation of the automated stormwater samplers was initiated as was the collection of samples. The initial data collected indicated a lack of effluent from the treatment devices. This lack of effluent, while limiting the ability to effectively evaluate the performance of the treatment structures, indicates a significant reduction of volume of stormwater being added to the combined sewer overflow system and being infiltrated into the substrate. Several workshops and trainings were conducted at the Science Museum for engineers, local officials, the construction industry, as well as a porous pavement certification workshop.

The VNEMO Program continued to assist the Division of Natural Heritage in the implementation of an outreach and engagement strategy around VA Ecological Values Assessment. The Program Manager provided a presentation at the Chesapeake Bay National Estuarine Research Reserve for local officials training for utilization of the database demonstrating the VEVA application.

The VCU Analyst management of the VA Healthy Waters Initiative continued partnership development with the VA Chapter of the Nature Conservancy and the Albemarle-Pamlico National Estuary Program to expand the range of the Healthy Waters program. The Program Manager continued to represent the Commonwealth in the Chesapeake Bay Goal Implementation Team 4 Healthy Watersheds. The Program Manager met with DEQ staff and management to further discuss the redefinition of the term, "healthy" with respect to the program, program expansion, integration of water quality data and possible integration with other programs at DEQ.

Final Products	% Completion	Anticipated Completion Date
Final Report <input type="checkbox"/>	0	October 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 11	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$200,000.00
Eastern Shore Land Conservation					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start:	End:	Closeout:		
	10/1/2011	3/31/2013	6/30/2013		

Although FY 2010 land acquisition funds will be reprogrammed to habitat restoration, VA CZM will continue to attempt to use FY11 and 12 funds toward acquisition of the Nottingham property - Picketts Harbor Farm's "Pond Drain" area on the lower Chesapeake Bayside of Northampton County.

Task: 12	Virginia Institute of Marine Science			Current Federal Total:	\$173,000.00
Seaside Restoration					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2011	3/31/2013	6/30/2013		

Seagrass Restoration and Water Quality Monitoring: Seedling assessments were conducted of representative plots broadcast in the fall, 2011. In addition, seedling assessments were conducted of the three eelgrass seed test plots established in Black Duck Cove broadcast in the fall, 2011. Mapping of seagrass in the Virginia Coastal Bays revealed 4370 acres in 2011 compared to 4236 acres in 2010. In addition, aerial photography for the 2012 year was obtained of these bays on June 10, 2012. 13 million seeds were harvested in May from grass beds both in the York River and South Bay. Seed broadcasts were initiated in Sept. with 21 acres broadcast in Spider Crab Bay (20 acres) and Black Duck Cove (one acre). Test plots were also established in Black Duck Cove.

Continuous (every 15 minutes) measurements of water quality (salinity, temperature, turbidity, phytoplankton chlorophyll, pH, dissolved oxygen) were made at the Spider Crab bay restoration site for the entire October-March period. Real-time measures of these water quality measurements can be observed at: <http://www.ysieconet.com/public/WebUI/Default.aspx?hidCustomerID=154>. Water quality mapping cruises were conducted on July 9, August 7, and September 20, 2012, for this project throughout the Virginia Coastal Bays restoration area, where spatial measurements of water quality (salinity, temperature, turbidity, phytoplankton chlorophyll, pH, dissolved oxygen) were made using the underway Dataflow system. All water quality data are subject to EPA and DEQ approved QA/QC procedures and final data will be available on the www.VECOS.org web site.

Scallop Restoration: Adult scallops in cages in South and Cobb Bay were observed to ripen in late August and spawn in early September. Following this spawn, the scallops in South Bay from the 2011 cohorts (now about 16 months old) were removed from the cages and free planted on the bottom near the edge of the grass bed. These scallops had become heavily fouled with oysters during the summer of 2012 and the judgment was made that few would survive until a third spawn in the spring of 2012. Scallops in Cobb Bay were less fouled by oysters and VIMS staff continues to maintain them in cages.

On September 10, 2012, an additional spawn was conducted at the VIMS ESL hatchery, from which 1.69 million juvenile scallops were placed in the land-based nursery 12 days later. These animals will be maintained in the land-based nursery until early November, at which time they will be moved to a field-based nursery. In the spring of 2013, they will be deployed into the grass beds in South and Cobb Bays.

A quantitative sampling of the wild scallops in the grass bed in South Bay was undertaken in July 2012. Diver surveys were used to estimate the numbers of large scallops (1 – 2 year class) and suction sampling was used to estimate the numbers of small scallops (0 – 1 year class). These two approaches resulted in an estimated wild population of 2.02 million scallops in the grass bed (1.97 million 0 – 1 year-olds and 47,000 1 – 2 year-olds). These wild scallops are assumed to be the offspring of caged scallops deployed in the grass bed in 2011 and 2012 and, though the wild population remains too small to be self-sustaining, these findings are an indication of early success in this restoration effort.

Final Products	% Completion	Anticipated Completion Date
Coastal Gems data <input type="checkbox"/>	0	3-31-2013
Final Report <input type="checkbox"/>	0	<input type="checkbox"/> 3-31-2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 41	Accomack-Northampton Planning District Commission	Current Federal Total: \$30,450.00						
A-NPDC Technical Assistance Program								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2011</td> <td>9/30/2012</td> <td>12/31/2012</td> </tr> </table>	Start:	End:	Closeout:	10/1/2011	9/30/2012	12/31/2012	
Start:	End:	Closeout:						
10/1/2011	9/30/2012	12/31/2012						

Climate Adaptation Working Group

A-NPDC has held one working group meeting and hosted one public workshop to educate local citizens and elected officials about impacts from sea level rise. The group coordinated with the NOAA Coastal Services Center to develop coastal vulnerability models for the Eastern Shore, reviewed numerous research articles, developed a regional climate resource list, gave two presentations to local groups, served on the VA Recurrent Flooding Advisory Panel, participated on an advisory panel for the development of a vulnerability workshop at the NASA-Wallops Flight Facility, and worked to develop an annual Science Symposium to educate local citizens and elected officials on research accomplished in the region. The group also developed a partnership with Chesapeake Commons to develop web-based projects to archive local anecdotal information regarding climate change/sea level rise and flooding hazards experienced following storm events.

Coastal Management Trainings

A-NPDC has successfully directed two public workshops and two presentations to local NGOs that reached nearly 300 people and brought together 65 stakeholder groups. Workshops have incorporated the following topics: wastewater treatment, sea level rise, and coastal flooding.

Technical Assistance

A-NPDC has coordinated a GIS Users Group to provide training, information, and a forum for data sharing within the region. A-NPDC has coordinated with local and state governments to develop a working group to develop reduction implementation strategies for the Chesapeake Bay WIP Phase II process. A-NPDC has served on local committees including the Environmental Education Council, Resource Conservation & Development Council, and Watersheds Network and participated in state events including the VA Ocean Planning meeting, VA Coastal Policy Team meeting, and VA Coastal PDC team. A-NPDC participated in the Adaptation Strategies and Information Needs in Response to Extreme Events Workshop and a Public Dialogue regarding the Seaside Baylor Grounds.

Ground Water Committee

A-NPDC held five meetings and hosted one public workshop. The committee reviewed and commented on seven ground water withdrawal permits, two environmental reviews, and three research articles. The committee served on the state Reuse for Recharge TAC. The committee has continued updating the ESVA Ground Water Supply Protection & Management Plan. The committee held a successful public workshop on regional wastewater treatment.

Transient & Working Waterfront Infrastructure Needs Assessment

A-NPDC has developed a consensus definition and an inventory for transient & working waterfront infrastructure. A-NPDC surveyed marina owners with cooperation from VIMS to identify marina-specific needs and has conducted a needs assessment for working waterfront infrastructure by reviewing a regional working waterfront inventory. A final report summarizing the needs assessment outcomes will be submitted with the Annual Report.

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Report <input type="checkbox"/>	100%	9-30-2012
Coastal Management Training Report <input type="checkbox"/>	100%	9-30-2012
Technical Assistance Report <input type="checkbox"/>	100%	9-30-2012
Ground Water Committee Report <input type="checkbox"/>	100%	9-30-2012
Transient & Working Waterfront Infrastructure Needs Assessment Report <input type="checkbox"/>	100%	9-30-2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 42	Crater Planning District Commission			Current Federal Total:	\$30,000.00
Crater PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start:	End:	Closeout:		
	10/1/2011	9/30/2012	12/31/2012		

(1) Crater PDC staff processed 17 environmental impact reviews for local, state, and federal projects. (2) Two coastal meetings/training sessions were held during the reporting period (7/13/12 and 9/14/12). Topics of discussion were the East Coast Greenway, the 2013 Update to the Virginia Outdoors Plan, and the Crater PDC Rural Transportation Planning Program. (3) Crater PDC staff coordinated and administered regional reviews of the 2013 Virginia Outdoors Plan Update, the East Coast Greenway, Chesapeake Bay WIP II, and the Electric Vehicle Initiative sponsored by the Richmond Regional PDC. (4) Commission staff participated in several environmental planning efforts pertaining to water monitoring on the Appomattox River, trail development in the Crater Region, stormwater grant applications, the Albemarle-Chowan Watershed, and the Middle James Round Table. (5) Crater PDC staff continued to provide technical support to FOLAR – Friends of the Lower Appomattox River. This included hosting meetings, providing website maintenance, preparing brochures, and preparing and submitting grant proposals. Staff also assisted FOLAR with its 5th Annual Battle or Paddle on 9/15/12.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments <input type="checkbox"/>	100% <input type="checkbox"/>	9/30/12
Coastal Meetings <input type="checkbox"/>	100%	9/30/12
Coastal Training <input type="checkbox"/>	100%	9/30/12
FOLAR Assistance <input type="checkbox"/>	100%	9/30/12

Task: 43	Hampton Roads Planning District Commission			Current Federal Total:	\$60,450.00
Hampton Roads Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2011	12/31/2012	3/31/2013		

Final Report. HRPDC staff continued compiling information for the final report.

Environmental Impact Review. Thirty (30) environmental impact assessments/statements and coastal zone consistency determinations were reviewed, local government input coordinated, and comments provided to DEQ for inclusion in official state positions. Summaries of all projects were provided to the HRPDC.

Public Information and Education. HRPDC staff maintained information on its website and provided regular briefings to local elected officials on the HRPDC Commission, local governing bodies, and to professional and civic organizations. HRPDC staff continued use of an online newsletter, Hampton Roads Review, located at <http://www.hrpdcva.gov/HamptonRoadsReview>, for public outreach and communication. During this period, forty-four (42) entries were posted with topics ranging from environmental education to housing.

Regional Coordination Process. HRPDC staff facilitated monthly regional advisory committee meetings addressing wetlands, Chesapeake Bay issues, and other coastal and environmental issues. Through these committees, the localities develop regional consensus on state and federal regulatory and legislative issues, coordinate plans addressing these issues, and exchange information on program activities. During this period, five (5) meetings were held of the regional Joint Environment Committee (JEC). Topics covered included stormwater management regulations, the Chesapeake Bay TMDL, sea level rise, and environmental education.

Regional Technical Studies. HRPDC staff continued to work with local government staff to identify appropriate topics for regional technical studies. Two topics currently under consideration are improving the regional green infrastructure plan and updating a methodology for identifying and prioritizing sites for wetlands restoration projects.

Technical Assistance. Assistance was provided to local government staff, consultants, businesses and citizen environmental organizations on environmental and planning issues. HRPDC staff assisted local government staff with analyzing Census data.

Final Products	% Completion	Anticipated Completion Date
Final Report: Hampton Roads TA Program <input type="checkbox"/>	20% <input type="checkbox"/>	December 31, 2012
EIA/EIS and Coastal Consistency Review <input type="checkbox"/>	80% <input type="checkbox"/>	December 31, 2012
Public Information, Education and Training <input type="checkbox"/>	80%	<input type="checkbox"/> December 31, 2012
Regional Coordination Process <input type="checkbox"/>	80%	<input type="checkbox"/> December 31, 2012
Regional Technical Studies <input type="checkbox"/>	10%	<input type="checkbox"/> December 31, 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Middle Peninsula Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

Product #1 Title: Coastal Management Analysis and Policy Support – MPPDC staff continues to provide coastal management support to local elected official and other local government officials, local planning commissions and local planning staff. MPPDC staff took the lead on designing a rural regional stormwater management program to assist Middle Peninsula localities with meeting storm water regulations set by the Virginia General Assembly requiring local program compliance by 2014. To further the stormwater focus, the MPPDC applied for and received two grants, one each from the National Fish and Wildlife Foundation (NFWF) and the Virginia Department of Conservation and Recreation (DCR). The NFWF grant provides direct technical assistance to the MPPDC and member localities to explore the development of a Regional Stormwater Program. The DCR grant provides staff funding to oversee the NFWF award and to work with Middle Peninsula localities to develop a mandated program.

Product #2 Title: Local Planning Coordination - MPPDC staff convened monthly meetings of the Middle Peninsula Local Government Administrators (LGA) and quarterly meetings with local level planners, as well as the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA) related to current coastal zone management issues. Two emerging issues were explored: 1) Natural gas “fracking”. Shore Exploration is a company interested in natural gas “fracking” and oil drilling in the Middle Peninsula portion of the Taylor Basin. This is an issue of environmental, zoning, and financial concern to local governments. Shore Exploration was a guest speaker at the September 2012 LGA meeting. They report that drilling could begin as early as 2013. 2) Recurring flooding in the region. The Commonwealth, in Senate Joint Resolution 76 - A Study to Assess Recurrent Flooding in Tidewater Virginia, requested the Virginia Institute of Marine Science to study strategies for adaption to prevent recurrent flooding in Tidewater and Eastern Shore Virginia localities. This was discussed at the May 2012 LGA meeting. The final report by VIMS is due to the Commonwealth in November, 2012.

Product #3 Title: (special project) MPCBPAA Work Plan and Perrin Wharf Transfer- MPPDC staff focused on the regulatory and permitting requirements to request transfer of the Perrin Wharf from the Virginia Department of Transportation (VDOT) to the MPCBPAA. VDOT has defined where the property line is for the Perrin Wharf/VDOT road, thereby verbally agreeing to the transfer. The MPCBPAA is currently developing and considering a draft resolution to formally request transfer of VDOT infrastructure to the MPCBPAA.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Analysis and Policy Support <input type="checkbox"/>	100	<input type="checkbox"/> Sept 30
Local Planning Coordination <input type="checkbox"/>	100	<input type="checkbox"/> Sept 30
Assistance with the implementation of the Middle Peninsula Chesapeake Bay Public Access Authority annual work plan. Perrin Wharf transfer <input type="checkbox"/>	100	<input type="checkbox"/> Sept 30

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 45	Northern Neck Planning District Commission	Current Federal Total:	\$30,000.00
Northern Neck PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:
	10/1/2011	9/30/2012	12/31/2012

NNPDC staff held the second local coordination meeting on May 27, 2012 with the main topic being the Chesapeake Bay TMDL, and the impacts to local governments to meet the nutrient and sediment goals. The Virginia Department of Health Three Rivers Health District Environmental Health Manager gave a training session on the latest regulations on engineered onsite wastewater treatment systems, as well as the status and progress on the identified failing septic systems in each county. NNPDC staff held the third local coordination meeting on August 22, 2012 discussing the upcoming new Virginia Stormwater Regulations. After discussing the implications to local government staff and local development patterns, staff from the Virginia Department of Recreation gave a presentation on the components local governments need to adopt to be compliant with the new stormwater regulations. Local county officials had much discussion with DCR staff on whether single family homes were exempt or not. If they are not exempt, the workload of rural county staff will increase dramatically, however if they are exempt the impact will be less. The state wants localities to estimate how much it will cost to develop a local stormwater tracking program, and not knowing if most single family residence construction would be exempt is making this much harder. DCR staff stated they will research the requirements and resolve this issue soon. The final local coordination meeting was held on September 18, 2012, and the topic was how the stormwater regulations can assist counties in collecting information about areas with stormwater infiltration that can be used to report progress on the Bay TMDL. Localities were encouraged by NNPDC staff to consider tracking stormwater permits before the new regulations go into effect as a trial run to work out any problems in recording that data. Training was held the same day by Virginia Institute of Marine Science (VIMS) on the County Comprehensive Plan Shoreline Guidance that VIMS is working on for Virginia coastal localities. Local county staff were updated on the studies needed to complete the assessment for each locality, as well as shown a live internet demonstration of the VIMS mapping website that VIMS is launching to disseminate the shoreline assessment data to localities and citizens.

NNPDC staff have completed the digital revision of five Northumberland Tax Parcel Maps. The digital tax maps revised are Map 18, 20, 21, 42 and 43, and were updated using the Virginia Base Mapping Program's 2009 aerial photography and the latest version of the hard copy tax maps. NNPDC staff created water trail maps for two creeks in three Northern Neck Counties, Lancaster, Richmond and Westmoreland. In Lancaster County, water trail maps were created for Deep/Mulberry Creeks, and Little Oyster Creek. In Richmond County, water trail maps were created for Cat Point Creek and Morattico/Lancaster Creeks. Deep/Mulberry Creeks in Lancaster County are adjacent to Morattico/Lancaster Creeks in Richmond County, so that a paddler could extend their canoeing trip to see all four creeks. In Westmoreland County, water trail maps were created for Monroe Creek/Bay and the Nomini Creek/Bay area. The six water trail maps created will be posted on the Northern Neck Tourism website, [http:// www.northernneck.org](http://www.northernneck.org).

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support <input type="checkbox"/>	100%	September 30, 2012
Local Planning Coordination and Training <input type="checkbox"/>	100%	September 30, 2012
Northumberland Five Revised Digital Tax Maps <input type="checkbox"/>	100%	September 30, 2012
Three County Water Trails Map and Website <input type="checkbox"/>	100%	September 30, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 46	Northern Virginia Regional Commission	Current Federal Total:	\$30,000.00
NVRC Coastal Resources Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:
	10/1/2011	9/30/2012	12/31/2012

Coordination & Training:

Local governments are beginning to explore ways of engaging residents by providing inexpensive incentives to implement stormwater management solutions on their property. On April 16, 2012, the Northern Virginia Regional Commission hosted a workshop to engage diverse representatives from government, non-profit, and university sectors to discuss opportunities for engaging residents and businesses.

The workshop featured three local government programs that exemplify incentive-based solutions, which provide financial or recognition motivations for residents and/or private businesses to change behaviors: Arlington Green Games, Arlington StormwaterWise Landscape Program, and Montgomery County RainScapes.

NVRC prepared a summary of the programs' best practices and lessons-learned that emerged from the discussion and may be particularly interesting to organizations that may consider establishing similar programs. The summary and workshop materials are available online at: www.novaregion.org/index.aspx?NID=409

Special Project – Northern Virginia Clean Water Partners:

During this grant period, the Northern Virginia Clean Water Partners ran two radio ads featuring messages on the importance of picking up pet waste and general household stormwater pollution reduction measures on three popular radio stations, including one Spanish speaking station a total of 236 times. These ads reached approximately 54,563 Northern Virginia residents and resulted in over 200 visits to the www.onlyrain.org website. Additionally, campaign ads appeared on Google, Facebook, and YouTube advertisements over 8 million times, resulting in over 60,000 visits to the campaign web sites – www.onlyrain.org; www.metro-dc-dog-blog.com; and www.gardening.mwcog.org.

During the summer 2012, a survey was conducted of 500 northern Virginia residents to measure the effectiveness of the campaign. One-fourth of the respondents recalled hearing or seeing advertisements on the internet or on the radio, as compared with one-third in 2011. Of those respondents who recalled the ads, six percent state they now pick up their pet waste more often, 15 percent state that they are more careful with fertilizer, and seven percent fertilize fewer times per year.

A summary report for the campaign was prepared and distributed to the Partners for inclusion in their annual MS4 reports. The report is available online at: <http://www.novaregion.org/index.aspx?nid=408>

EA/EIS/EIR Reviews: Since April 2011, NVRC staff have reviewed and responded to 18 EIR requests across the region. There has not been any follow-up regarding the impacts of staff recommendations on the reviews.

Final Products	% Completion <input type="checkbox"/>	Anticipated Completion Date
Annual Report – NoVA Coastal Resources TA Program <input type="checkbox"/>	100	September 30, 2012
Summary of Regional Stormwater Education Campaign <input type="checkbox"/>	100	September 30, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 47	George Washington Regional Commission	Current Federal Total:	\$30,000.00
GWRC Coastal Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report	
Open	Start: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

Product #1: Local Government Coordination and Training Program Report

GWRC staff participated in Coastal PDC meeting (6/19/12) in Hampton Roads and Coastal Policy team meeting (9/17/12) in Richmond. GWRC held meetings with PD 16 local staff on 8/17/12 and 8/30/12 regarding the DCR local stormwater program grant RFP.

Product #2: Enhance Community Conservation Info Inputs to Chesapeake Bay TMDL WIP-Phase 2

GWRC intern conducted pilot automated land cover classification study on the Whitsons Run watershed in Stafford County. GWRC staff worked with localities, Friends of the Rappahannock and various consultants to develop project methodology and grant proposal submitted by GWRC on behalf of seven PD 16 localities in response to DCR Request for Proposals for Local Assistance Grant for Stormwater Program Development. GWRC staff also collaborated with Tri-County/City Soil and Water Conservation District (TCC-SWCD) to develop capacity-building NFWF technical assistance grant application for TCC-SWCD's benefit. GWRC staff participated in 3rd Annual "Choose Clean Water" Conference (June 6-8, 2012) in Lancaster, PA to discuss region's TMDL/WIP coordination response effort and to learn Lancaster's municipal approaches to green infrastructure implementation to reduce urban stormwater flows into combined sewer system. GWRC staff attended Conservation Foundation Green Infrastructure Planning training conference and participated in VIMS workshop on Green Infrastructure Planning.

Product #3 : GWRC HW-HELP Home Performance Project Implementation

GWRC staff and consultants worked with homeowners in the City of Fredericksburg and Caroline Co to support their participation in the GW-HELP program. This ARRA (stimulus)-funded project was completed by the end of July, achieving 133 home energy audits and 104 energy retrofits, as well as investing \$150,237 in grant funds for energy-saving appliance, HVAC, lighting, and insulation upgrades for public buildings in City of Fredericksburg, the Towns of Port Royal and Bowling Green and Caroline Co.

Final Products	% Completion	Anticipated Completion Date
#1: Coordination & Training <input type="checkbox"/>	100%	Sept. 30, 2012
#2: Enhancement of Community Conservation Information Inputs <input type="checkbox"/>	100%	Sept. 30, 2012
#3: GW-HELP Project Implementation <input type="checkbox"/>	100%	June 30, 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,000.00
Richmond Regional PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Technical Assistance RRPDC staff completed 39 environmental and intergovernmental reviews from April 2012 through September 2012.

Coordination RRPDC staff has, and continues to, coordinate with locality planning staff regarding the planning and implementation of the Chesapeake Bay Total Maximum Daily Load and associated 2-year milestones. RRPDC staff also continue to coordinate with locality staff regarding implementation of the revised Stormwater Regulations promulgated by the Virginia Department of Conservation and Recreation. This ongoing communication and coordination feeds directly into the planning for the training sessions mentioned below. In May, RRPDC staff attended the Chesapeake Modeling Symposium 2012 in Annapolis, Maryland. RRPDC staff were able to gain great insight into the workings of the suite of models constituting the Chesapeake Bay model that are used to inform the Chesapeake Bay TMDL process. Findings were reported back to locality staff.

Training RRPDC staff hosted an Environmental TAC training session on April 16. DCR staff provided presentations and materials related to Virginia's revised stormwater regulations and the planning process for implementing the Chesapeake Bay TMDL through the Phase II Watershed Implementation Plan. RRPDC staff hosted an Environmental TAC meeting on June 28. RRPDC staff provided an update on various state initiatives such as Stormwater Regulations and the Bay TMDL. A roundtable discussion proceeded with updates from each locality and the sharing of future plans, success, complications, etc. Staff from the Virginia Department of Health and the Virginia Department of Transportation were also present to lend each agencies' perspective, experience, and future tasks.

Coastal Mapping Update RRPDC staff has developed a regional existing land use map. This existing land use map can serve a wealth of planning purposes related to Coastal Zone Management objectives. Analysis of land use by locality and by zoning classification has begun. Presentations of the findings have been provided to the RRPDC board. For more information about the regional existing land use map, please contact RRPDC staff at 804-323-2033 or look on our website at www.richmondregional.org.

Regional Future Land Use Update RRPDC staff has incorporated a copy of the GIS data layer for the Town of Ashland's 2011 Comprehensive Plan Future Land Use map into the regional Future Land Use Map. RRPDC staff continues to coordinate with locality staff regarding amendments and updates to their respective future land use maps.

Coordination on Public Access to the Region's Rivers RRPDC staff obtained a copy of a 1997 report produced jointly by the Virginia Department of Transportation, the Virginia Department of Game and Inland Fisheries, and the Virginia Department of Conservation and Recreation (VDCR): Inventory of Bridges Receiving Recreational Use. RRPDC staff has reviewed this report and summarized findings in the grant Final Product Report.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance <input type="checkbox"/>	100% <input type="checkbox"/>	September 30, 2012
Coordination <input type="checkbox"/>	100% <input type="checkbox"/>	September 30, 2012
Training <input type="checkbox"/>	100%	September 30, 2012
Coastal Mapping Update	100%	September 30, 2012
Regional Future Land Use Map Update	100% <input type="checkbox"/>	September 30, 2012
Coordination on Public Access to the Region's Rivers <input type="checkbox"/>	100%	September 30, 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 49	Virginia Beach/Virginia Aquarium and Marine Science Center	Current Federal Total:	\$31,000.00
Virginia Sea Turtle and Marine Mammal Stranding Network			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	1/1/2012 12/31/2012 3/31/2013		

This grant officially started on January 1, 2012. During the period from April through September 2012, the Virginia Aquarium Stranding Response Program (VAQS) recorded 233 strandings in Virginia. There were 187 strandings recorded during the same period in 2011.

The VAQS Stranding Team responded to 59 marine mammal strandings in Virginia during this reporting period and all were cetaceans. Twenty five (42%) of the strandings were located in Virginia Beach, 13 (22%) were located on the western shores of Chesapeake Bay north of the James River, and 27 (46%) were located on Virginia's eastern shore. The cetacean species included three common dolphin (*Delphinus delphis*), 52 bottlenose dolphin (*Tursiops truncatus*), one harbor porpoise (*Phocoena phocoena*), one long-finned pilot whale (*Globicephala melas*), one humpback whale (*Megaptera novaeangliae*) and one unknown Delphinid. The humpback whale stranded alive on Wallops Island but was euthanized as a result of its poor condition.

There were 174 sea turtle strandings recorded in Virginia during this reporting period. That represents a 33% increase over the same period from 2011 (131 strandings). Of the strandings, 70 (40%) were located in Virginia Beach and south side, 68 (39%) on Virginia's eastern shore, and the remainder (36 = 21%) along the western shores of Chesapeake Bay north of the James River. The sea turtle species included 26 Kemp's ridley (*Lepidochelys kempii*), 142 loggerhead (*Caretta caretta*), one leatherback (*Dermochelys coriacea*), three green (*Chelonia mydas*) and two animals that were unidentified to species. There were 10 live sea turtles that stranded during the reporting period: one Kemp's ridley, seven loggerhead, one green and one leatherback that was disentangled from pot buoy line. Five of the turtles were rehabilitated and released, and two loggerheads were outfitted with satellite tags as part of ongoing research.

VAQS staff attended five professional meetings and made several formal presentations during this reporting period. There were also educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area and to stranding network cooperators, and a traveling exhibit was presented at five regional festivals. Grant funded VAQS staff worked more than 1,000 hours and Stranding Team volunteers contributed more than 8,000 hours to the stranding response program during this reporting period. A detailed list of all trainings, presentations and publications will be included in the final report.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
VA Sea Turtle & Marine Mammal Stranding Response & Reporting <input type="checkbox"/>	75%	December 31, 2012
Personnel & Cooperator Training Activities <input type="checkbox"/>	85% <input type="checkbox"/>	December 31, 2012
Public Education & Outreach Activities <input type="checkbox"/>	90%	December 31, 2012

Task: 50	TBD	Current Federal Total:	\$49,838.00
PDC Competitive Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

\$49,838 still remains in this task until NOAA approves 306A documentation for a new Task 55 Richmond Regional PDC's Chapel Island Project. 306A documentation was submitted on Sep 26 however, a few items were missing and the package was re-submitted on Oct 22, 2012.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 51	Hampton Roads Planning District Commission	Current Federal Total:	\$20,000.00
Coastal Resiliency: Adapting to Climate Change in Hampton Roads			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	12/15/2011 12/31/2012 3/31/2013		

Between April 1, 2012 and September 30, 2012, HRPDC staff made significant progress on all three deliverables through research and coordination with local government staff and other stakeholders. HRPDC staff coordinated with other institutions (ODU, VIMS, local governments) on this and related projects, including the VIMS Recurrent Flooding Study, ODU's Climate Change and Sea Level Rise Initiative, and the Hampton Roads Adaptation Forum, a joint project with ODU, Virginia Sea Grant, and HRPDC, to make sure that the findings from this Coastal Resiliency study were incorporated into those projects. HRPDC staff also worked with local government staff to identify issues with the previously conducted sea level rise GIS analysis, which will be used to improve the products from this study. HRPDC staff also met with other institutions and stakeholders, including VIMS, ODU, the City of Norfolk, and others to discuss coastal resiliency issues. HRPDC staff has conducted research into methods for incorporating climate change impacts and adaptation strategies into local and regional plans, and HRPDC staff continues to develop GIS analyses and products which can inform local and regional climate change planning efforts.

Final Products	% Completion	Anticipated Completion Date
Climate Change Public Outreach and Education <input type="checkbox"/>	70% <input type="checkbox"/>	December 31, 2012
Incorporating Climate Change Impacts in Existing and Ongoing Planning Efforts <input type="checkbox"/>	25% <input type="checkbox"/>	December 31, 2012
Hampton Roads Climate Change Adaptive Management Plan <input type="checkbox"/>	25% <input type="checkbox"/>	December 31, 2012

Task: 52	Hampton Roads Planning District Commission	Current Federal Total:	\$30,000.00
Water Quality Policy Analyses to Support Attainment of Nutrient Reduction Goals			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	12/15/2011 12/31/2012 3/31/2013		

The project includes 3 tasks to provide research on potential policies that support local governments' efforts to comply with the Chesapeake Bay TMDL and improve water quality: 1) Redevelopment Activities to Meet Nutrient Reduction Goals, 2) Opportunities and Constraints for Nutrient Reductions on Private Property, and 3) Project Management and Coordination. Each task has one deliverable – a report summarizing the findings or coordination activities.

Task 1 is 100% complete. HRPDC contracted with CH2M Hill to collect data from localities and evaluate the potential for nutrient reductions through redevelopment requirements under Virginia's revised stormwater regulations. CH2M Hill has completed the report "Redevelopment as a Nutrient Strategy." At the HRPDC Executive Committee meeting on September 20, 2012, the report was approved and has been distributed to localities and posted on HRDPC's webpage.

Task 2 is 100% complete. HRPDC contracted with CH2M Hill with Wetlands Watch as a subcontractor to examine the feasibility of implementing more BMPs on private property. Wetlands Watch has completed all 5 objectives identified in the grant including extensive research of existing programs that encourage private property BMPs, cataloging existing BMPs implemented with grant funded efforts, and technical research on the Bay Program and BMPs included in the models. Wetlands Watch has completed the report "Reducing Nutrients on Private Property: Evaluation of Programs, Practices, and Incentives." At the HRPDC Executive Committee meeting on June 21, 2012, the report was approved and has been distributed to localities and posted on HRDPC's webpage.

Task 3 is 90% complete. HRPDC managed the contract with CH2M Hill to complete the reports under Tasks 1 and 2. HRPDC staff briefed local stormwater staff on the development and findings on the two reports throughout the grant period. HRPDC staff also provided multiple reviews of the two reports and brought them to the HRPDC Executive Committee meetings for approval and distribution.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Redevelopment Activities to Meet Nutrient Reduction Goals - Report <input type="checkbox"/>	100%	September 20, 2012
Opportunities and Constraints for Nutrient Reductions on Private Property – Report <input type="checkbox"/>	100%	June 20, 2012
Project Management and Coordination - Summary <input type="checkbox"/>	90%	October 31, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 53	Middle Peninsula Planning District Commission	Current Federal Total:	\$29,559.00
Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	12/15/2011 3/31/2013 6/30/2013		

Product #1 Title: Establish the Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition: In January 2012, the MPPDC staff drafted, received and executed a Memorandum of Understanding (MOU) between the Northern Neck PDC and the Accomack- Northampton PDC which created the 3 PDC Coalition for the purpose of advancing NOAA Grant NA11nos4190122 Task 53 forward. The MOU describes the scope of work, schedule, products and deliverables as well as compensation for each participating PDC.

Product #2 Title: Recommendation of tools to provide for state and local tax, regulatory relief, and the preservation working waterfront jobs and infrastructure: The Coalition discussed with the Virginia Coastal Program staff the need to amend the project scope of work. As a result, the scope of the project in Product #2 was changed to have each PDC partner: A) Identify up to three closed working waterfront businesses and document issues associated with the closing of each business, B) Include a discussion on the land use planning tools associated with the impacted businesses, C) Explore how zoning helps or hinders a restart of the closed business or expansion of nearby related businesses, and D) Identify critical open working waterfront businesses and make general inquiry about legacy and secession planning. The culmination of this effort will be discussions with both Working Waterfronts business and local governments across the Bay to identify solutions which can ultimately help to protect existing and future working waterfronts.

Product #3 Title: Coordination with Marine Advisory Services at VIMS for Scientific, Technical and Local Industry Coordination and Collaboration: Working Waterfront graphic illustrating the connection of various working waterfront projects at the national, state, regional and local level was produced in March to assist with the overall coordination and collaboration with various partners.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Establish the Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition <input type="checkbox"/>	100	March 2013
Recommendation of tools to provide for state and local tax, regulatory relief, and the preservation working waterfront jobs and infrastructure	25	March 2013
Coordination with Marine Advisory Services at VIMS for Scientific, Technical and Local Industry Coordination and Collaboration	50	March 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 54	Northern Virginia Regional Commission			Current Federal Total:	\$49,500.00
Northern Virginia Native Plant Social Marketing Campaign ("Go Native NoVA")					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	12/15/2011	3/31/2013	6/30/2013		

Efforts during this grant period resulted in the development of a draft training module agenda and complementing presentation, along with a refined survey instrument and the hiring of a survey firm to perform the work.

In April, the campaign partners met to provide an overview of how the campaign fits into a social marketing framework, to discuss the opportunity offered by Virginia CZM to produce a native plant guidebook for Northern Virginia, and for partners to provide input on the content and logistics of the training for nursery staff, master gardeners, and master naturalists.

An initial outline for a 2.5 hour Community Leaders Training was introduced and Jim McGlone, Urban Forester with the Virginia Department of Forestry presented a draft PowerPoint slideshow developed for the training that provides an overview of native plants and their value. Partners provided the following recommendations for the presentation and training, as a whole:

- Place the discussion of "Why Plants?" in general first, and then go into more details about native plants.
- Should provide references/citations to statements regarding the benefits of native plants.
- Incorporate information from the Conservation Corridors in Northern Virginia Planning project to discuss habitat loss and opportunities.
- Tie the information provided in the presentation to reference the research collected through the survey on what customers will most likely be seeking and provide additional outlets to information for other questions, such as available websites that may be easily downloaded to a handheld device
 - o VA Tech's online database – in development
 - o USFWS Native Plants Center, Chesapeake Region – <http://www.nativeplantcenter.net/>
- Keep the presentation to roughly 20-30 minutes.
- Consider pushing the training until the late-fall, "off-season" when there is less activity at the Garden Centers.

NVRC hired Amplitude Research to refine and finalize the survey instrument and to conduct an online poll of 500 Northern Virginia residents. The poll will take place in Fall 2012 and will support the development of campaign messages and materials.

Final Products	% Completion	Anticipated Completion Date
Campaign Research <input type="checkbox"/>	40	November 30, 2012
Campaign Community Leaders Training Module & Materials <input type="checkbox"/>	30	December 31, 2012
Campaign Materials <input type="checkbox"/>	10	June 15, 2012

Task: 55	Richmond Regional Planning District Commission			Current Federal Total:	\$49,839.00
Chapel Island/James River Public Access Enhancement Project					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Pending	Start:	End:	Closeout:		

Final 306A documentation was re-submitted on October 22, 2012. As soon as NOAA approval is received, construction will begin.

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 92	Virginia Institute of Marine Science	Current Federal Total:	\$50,000.00
Developing a Working Waterfronts Plan for Virginia's Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

Two Interim project telephone meeting updates were held with each PDC to discuss the status of the work and any impediments or noteworthy findings. Overall progress on the definition stage was slower than anticipated but was completed in all regions by the beginning of this reporting period. Generally based on the definitions, selected PDC staff compiled and sent a draft list of "infrastructure critical to the working waterfront" to County Planners. The local county planners/staff reviewed the list and some input has been received indicating any infrastructure or businesses that need to be added to the list, any entries on the list that are no longer in existence or in business, and any information that is found incorrect.

The inventories are in various stages of completion but progressing as of the end of September 2012.

One PDC has completed a draft inventory and overall, the remaining three are 50% completed. An extension on this effort has been received in order to allow time for all of the PDCs to complete the fieldwork and reporting.

Final Products	% Completion	Anticipated Completion Date
Consensus Definitions of Working Waterfronts by 4 PDC s <input type="checkbox"/>	100 <input type="checkbox"/>	
Inventory of Working Waterfronts by 4 PDC districts <input type="checkbox"/>	66	12/30/12

Task: 93.01	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$30,000.00
Research and development of comprehensive shoreline guidance and living shorelines general permit in Virginia			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

This reporting period was spent finishing the literature review on shoreline hardening effects, living shorelines attributes and ecological benefits and detriments, and existing shoreline management policies of other states and/or regional authorities. Work is almost complete on the compilation of the relevant information into an annotated bibliography.

CCRM attended a VMRC public meeting on the living shorelines general permit in May and participated in two agency workgroup meetings to present the draft criteria for the general permit to VMRC. Next steps will be the continued support and participation in the VMRC process for the vetting of the permit criteria and promulgation of the permit through regulation.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Annotated bibliography <input type="checkbox"/>	90	Nov 15, 2012
Draft permit criteria <input type="checkbox"/>	100 <input type="checkbox"/>	
Support for permit and integrated guidance development <input type="checkbox"/>	100	

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 93.02 Virginia Institute of Marine Science - Center for Coastal Resources Management				Current Federal Total: \$150,000.00
Shoreline Management Planning				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2011	3/31/2013	6/30/2013	

A Shoreline Management Plan (SMP) is a guidance document for local governments that recommends strategies for managing tidal shoreline conditions. The document integrates and utilizes a large and diverse set of conditional data that describes conditions along tidal shoreline reaches at high resolution.

This funding is allocated to target the development of Shoreline Management Plans in two areas, the county of Westmoreland, Virginia and the Lynnhaven Watershed located in Virginia Beach. In addition, the funding will expand the study of historic shoreline evolution to tidal tributaries in Westmoreland County and the City of Virginia Beach. To facilitate a future management plan in Virginia Beach and Henrico County, the data collection, processing and publication of a Shoreline Inventory for these jurisdictions is also funded.

This reporting period has been used to complete the model run for the Lynnhaven River Watershed and to conduct QA/QC on the model run for shoreline management scenarios for Westmoreland County, which was completed last performance period. Shoreline Inventories for both Henrico County and the City of Virginia Beach have been completed and final reporting documents are now in preparation. These should be posted to the website by the end of November, 2012. Shoreline Evolution Studies are now underway for Westmoreland and the City of Virginia Beach. Final report preparations for Westmoreland County are underway. Ortho-rectification and digitizing of images selected for Virginia Beach is nearly complete. Analysis of shoreline change is underway for Virginia Beach.

Final aspects of field work for completion of Shoreline Management Plans for Westmoreland County and Lynnhaven River Watershed commenced later than expected. This is now complete. Processing and integrating these data into final products has been planned but remains behind schedule. A requested extension has been approved. VIMS fully expects all deliverables associated with this product to be complete by March, 2013.

Final Products <input type="checkbox"/>	% Completion	Anticipated Completion Date
Shoreline Management Plans Lynnhaven Watershed, Westmoreland Co <input type="checkbox"/>	60%	3-2013
Expanded Shoreline Evolution Reports: VA Beach, Westmoreland Co <input type="checkbox"/>	85%	11-2013
Shoreline Inventories: VA Beach, Henrico County <input type="checkbox"/>	95%	10-2012

Task: 94.01 Hampton Roads Planning District Commission				Current Federal Total: \$90,000.00
Land & Water Quality Protection in Hampton Roads				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2011	12/31/2012	3/31/2013	

Between April 1, 2012 and September 30, 2012, HRPDC staff accomplished several key objectives related to this project and made significant progress on each of the three deliverables. HRPDC staff has made three presentations to local government staff to introduce the project, solicit ideas and other input, and present initial findings. For Product 1, HRPDC staff continued developing a summary, through research and discussion with local government staff, of the impacts of new water quality regulations on local government plans and programs. For Product 2, HRPDC staff reviewed existing tools and recommendations for incorporating best practices related to stormwater management and conservation development and identified key areas of local codes and plans to assess for consistency with the goals of the Virginia Stormwater Management Regulations and Chesapeake Bay TMDL. For Product 3, HRPDC staff continued to assess existing models and software for analyzing environmental impacts, including summarizing both benefits and potential issues or concerns with each tool.

Final Products	% Completion	Anticipated Completion Date
Assessment of Water Quality Regulations Impacts	80%	December 31, 2012
Tool Development: Plan Evaluation Methodology <input type="checkbox"/>	50%	December 31, 2012
Tool Evaluation for Modeling Development Impacts <input type="checkbox"/>	50%	December 31, 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from**

Task: 94.02 Middle Peninsula Planning District Commission	Current Federal Total: \$50,000.00
Land and Water Quality Protection in Middle Peninsula	
<u>Project status:</u>	<u>Current approved</u> <u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start: End: Closeout: 10/1/2011 9/30/2012 12/31/2012

Product 1: Formation of Project Committee Structure: The Middle Peninsula Watershed Implementation Plan Committee, created in February 1, 2012, is comprised of Local Government Administrators, Planners and external resource managers. In part, this committee recommended the development of a Septic Enforcement Committee to begin understanding how failing septic systems within the region are dealt with (ie. what does the enforcement process look like?). It was found that there are communication gaps within the current failing system enforcement process that may hinder homeowners and the Virginia Department of Health (VDH) in fixing failing/leaking septic systems. As these gaps were specifically identified, the committee and Middle Peninsula Planning District Commission (MPPDC) have recommended and implemented solutions to improve the current enforcement process.

Product 2: Rural Local Government Assessment of Nutrient Loading Responsibilities: MPPDC developed and assessed the region's need for enforceable policy tools to address these mandates and applied for grant funds that would directly establish a Regional Stormwater Program as well as an approach to addressing regulations relating to the Chesapeake Bay Total Maximum Daily Load (TMDL) Program. Thus, MPPDC staff applied for funds and was rewarded two grants: (1) National Fish and Wildlife Foundation (NFWF) to develop a Regional TMDL and Stormwater Management Program and (2) Department of Conservation and Recreation (DCR) to explore options and coordinate regional efforts when responding to the new stormwater regulations.

Product 3: Unintended consequences of Phase II Watershed Implementation Plan: MPPDC consultant interviewed regional and local real-estate assessment firms about how land valuation for reassessment will be handled as a result of VDH Alternative Onsite Sewage Systems (AOSS) regulation changes. Through discussions it was found that each firm will continue to assess land at the 100% fair market value, as per Virginia Code §58.1-3201. A MPPDC consultant also researched the establishment of a regional sanitary sewer district to manage the temporal deployment of nutrient replacement technology for installed AOSS systems; and the impacts of VDH Emergency Regulations on land use. It was found that the VDH Emergency Regulations have re-clarified that the Department of Environmental Quality (DEQ) has jurisdiction of wetlands. Thus re-establishing that VDH may not legally issue permits for onsite systems proposed in wetlands (ie. tidal, non-tidal as well as constructed wetlands).

Final Products <input type="checkbox"/>	% Completion <input type="checkbox"/>	Anticipated Completion Date
Formation of Project Committee Structure <input type="checkbox"/>	100 <input type="checkbox"/>	Sept 30
Rural Local Government Assessment of Nutrient Loading Responsibilities <input type="checkbox"/>	100 <input type="checkbox"/>	Sept 30
Product 3: Unintended consequences of Phase II Watershed Implementation Plan <input type="checkbox"/>	100 <input type="checkbox"/>	Sept 30

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 95.01 Virginia Commonwealth University		Current Federal Total: \$100,000.00
Virginia Ocean Spatial Plan		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open
Open	Start: End: Closeout: 11/1/2011 12/31/2012 3/31/2013	

For the grant reporting period, an Environmental Scientist/Analyst with the Virginia Commonwealth University Center for Environmental Studies in the Department of Life Sciences was secured to coordinate the stakeholder engagement of the eight sectors to develop the Virginia portion of the Mid-Atlantic Regional Council on the Ocean (MARCO) Mapping and Planning Portal. MARCO identified the sectors: offshore and alternative energy; commercial fisheries; recreational fisheries; recreational users and conservation groups; ports, shipping and navigation; tourism; Defense/ Navy; and other (oil and gas, sand mining, Marine Trades, etc).

The Environmental Scientist continued participating in the weekly MARCO Board meetings, coordinated with the NOAA Coastal Services Center and Marine Protected Areas, attended the quarterly MARCO Board meeting in Cape Charles, VA (May, 6-9), participated in the MARCO Water Quality Action Team, MARCO Ocean Planning Action Team (both the Portal and Stakeholder Engagement Subteams), and conducted outreach and facilitated breakout groups for the Virginia Ocean Planning Multisectoral Kick-off Meeting on June 28. As part of this process, a list of Sector participants was created and will serve as the base for future engagement activities for Ocean Planning. The Outreach Coordinator also conducted direct invitations to the Eastern Shore Participatory GIS Workshops (July 9-13) to collect recreational use data. Through two intensive days of facilitation, significant data was collected from participants that represented State and local government, private industry, and individual users. During this reporting period, the Outreach Coordinator also met with the Pilot Association in VA Beach to ascertain their needs with respect to ocean use, significantly, the access to deep water channels to maximize efficiencies and minimize disruption of commerce.

This Task also includes the development of a VA Marine Debris Summit and Draft Marine Debris Plan. During this period, the VCU Environmental Scientist coordinated the development of a working committee that includes representatives of the VA Coastal Zone Management Program, VCU, VA Sea Grant, VIMS, the Virginia Aquarium, and Longwood University and held several meetings to lay out the structure of the workshop and ensuing plan development. The VCU secured graduate research assistant continued to advance the development and coordination of activities leading up to the Summit. The Summit is planned for February, 2013.

Final Products	% Completion	Anticipated Completion Date
Database of Virginia Ocean Stakeholders	95	December 2012
Educational Outreach Materials for VA Stakeholders	95	December 2012
Narrative Summaries and Maps of Indiv Stakeholders Needs/Interests	95	December 2012
Summary report on VA Marine Summit and Initial Debris Plan	80	December 2012

Task: 95.02 Dept. of Environmental Quality - Virginia Coastal Zone Management Program		Current Federal Total: \$6,000.00
Ocean Resources: Marine Debris Summit		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Pending
Pending	Start: End: Closeout: 10/1/2011 9/30/2012 12/31/2012	

The Marine Debris Summit is scheduled at the Virginia Aquarium in Virginia Beach for February 27-28 (which conflicts with the more recently scheduled Feb 28 OCRM Program Managers' meeting). Several planning calls have been held, the agenda is under development and will consist of sessions revolving around various types of marine debris. Participants will be asked to generate and prioritize solutions for each type of debris. It is anticipated that a contract will be undertaken with the Virginia Aquarium.

Task: 95.03 Dept. of Environmental Quality Subcontract		Current Federal Total: \$0.00
Ocean Resources - Marine Spatial Planning Leftover		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Funds Transferred Out of Task
Proposed	Start: End: Closeout:	

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from

Task: 96	Accomack-Northampton Planning District Commission			Current Federal Total:	\$60,000.00
Seaside Special Area Management Plan (SAMP)					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	5/1/2012	3/31/2013	6/30/2013		

Seaside Recreational Use Literature Search

A-NPDC has identified several existing recreational datasets from the US Navy and USFWS Chincoteague National Wildlife Reserve. Work continues to expand the list as more sources are identified and data is incorporated into the Assessment Report.

Seaside Recreational Use Aerial Survey GIS Data

A-NPDC has completed a test flight and five aerial surveys over the VA Atlantic coast from Maryland to North Carolina. Recreational uses were recorded over an established flight path using a digital camera with GPS capabilities. A-NPDC is coordinating with VCZM staff to compile all data gathered into a single GIS dataset to be used for verification of information compiled during the Recreational Use Participatory GIS Workshop and Meetings.

Seaside Recreational Use Participatory GIS Workshop & Meeting Data

A-NPDC participated in 14 conference calls to develop a three-day workshop at the Eastern Shore Community College. The first day consisted of Participatory GIS Orientation & Staff Training to prepare workshop leaders for the workshops conducted on the second and third days. The workshop leaders included representatives from other MARCO states who participated to gain experience for conducting similar workshops in their localities. Recreational use data for Virginia's Atlantic Coast was acquired during two days of workshops and compiled into GIS format. The draft workshop data has been completed and A-NPDC staff has developed an outreach strategy to solicit comment and review from workshop participants and other stakeholders who did not attend the workshop.

Seaside Recreational Use Assessment Report

No activity has taken place with regards to drafting the Assessment Report.

SAV Restoration Goal & Management Report

No activity has taken place with regards to the SAV Restoration Goal & Management Report.

Final Products	% Completion	Anticipated Completion Date
Seaside Recreational Use Literature Search <input type="checkbox"/>	50%	3/31/2013
Seaside Recreational Use Aerial Survey GIS Data <input type="checkbox"/>	50% <input type="checkbox"/>	3/31/2013
Seaside Recreational Use Participatory GIS Workshop & Meeting Data <input type="checkbox"/>	100%	3/31/2013
Seaside Recreational Use Assessment Report <input type="checkbox"/>	0%	3/31/2013
SAV Restoration Goal & Management Report <input type="checkbox"/>	0%	3/31/2013