

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	Start: End: Closeout:	
	10/1/2011 3/31/2013 6/30/2013	

Policy Products: The Coastal Policy Team met on December 1, 2011 to discuss a number of policy issues, including: federal consistency authority outside of the coastal zone, offshore wind test sites, stakeholder engagement in marine spatial planning, priorities for VA CZM funding, and FY 11 PDC competitive grant projects.

RPCs and Amendments: Virginia CZM staff has discussed ways to proceed with updating the portions of Virginia's fish and wildlife enforceable policies that do not involve threatened and endangered species (TES), as well as ways to evaluate the effectiveness of federal consistency recommendations currently made by agencies to protect TES. Virginia CZM and ELI staff will develop revisions to the scope of work. The grant agreement with ELI has been extended until 9/30/2012 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 October 31, 2011 for the reporting period of April 1, 2011-Sept. 30, 2011. 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 Oct. 1, 2011-Mar. 31, 2012. The CZM Manager and Coastal Planners developed project proposals for the FY 12 draft application and monitored current grant activities through phone calls and site visits. 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. The SAC was removed from the five PDC Competitive projects and four of the five have been contracted.

FY 2012 CZM Grant Application: The FY 12 draft application was developed during this period and submitted on April 16 for NOAA review.

FY 2013 CELCP Grant Application: With no funding appropriated for the National CELCP program for FY 2013, Virginia did not hold a state CELCP competition. However, Virginia CZM has received final comments from NOAA on the Virginia CELCP plan which we are incorporating for submission and final plan approval in late spring 2012.

Performance Measures: On October 31, 2011 VACZM submitted the 2011 Performance Measures report to OCRM.

Mid-Atlantic Regional Council on the Ocean Documents: The CZM Manager continued to participate in weekly Board calls and to chair the MARCO Ocean Planning Action Team. A full team conference call was held on Feb 7 at which it was decided to change the name from CMSP to Ocean Planning Action team and create two subteams: Stakeholder Engagement and Portal Technical teams. Those teams are now conducting monthly calls. All meeting notes are available to the NOAA Program Officer on the MARCO Sharepoint site: <http://collaborate.csc.noaa.gov/Marco/default.aspx>. A MARCO Board meeting was held in December in Annapolis and Virginia is hosting the May Board meeting in Cape Charles.

Section 312 Evaluation Materials: No Section 312 review has been scheduled however progress was made on developing performance measures. Three metrics have been developed and submitted to NOAA for approval. The metrics cover eelgrass restoration and bay scallop reintroduction and restoration on the Seaside of Virginia's Eastern Shore, and living shoreline plan development.

Final Products	% Completion	Anticipated Completion Date
Policy Products	50	September 30, 2012
RPCs and Amendments	50	September 30, 2012
Grant Administration & Reporting	60	September 30, 2012
FY 2012 CZM Grant Application	50	September 30, 2012
FY 2013 CELCP Grant Application	0	September 30, 2012
Performance Measures	50	September 30, 2012
Mid-Atlantic Regional Council on the Ocean Documents	50	September 30, 2012
Section 312 Evaluation Materials	40	September 30, 2012

Task: 1.01	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R	Current Federal Total: \$102,542.00
Coastal Management Support		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open
Open	Start: End: Closeout:	
	10/1/2011 9/30/2012 12/31/2012	

See Task 1 for deliverables.

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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>	Project Period Open
Open	Start: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

-VCU CES staff performed Coastal Gems maintenance during this grant project period. Tasks were to refresh map services and update data and cartography in the map file. During this period, data and symbology in the GEMS application was updated on five currently in production layers. Layers updated in this period include: Baylor Grounds, Private Oyster Leases, Conservation Lands, Public Access Lands, and SAV Coverage. Coastal Gems remained operational during these updates and was only offline to install software/security updates or to refresh map services.

-Google Analytics remains operational and sends an email PDF report to CZM staff weekly to show access and web statistics for the Gems application. From October 1, 2011 to March 31, 2012, Coastal GEMS received 692 visits from 409 unique visitors resulting in 980 pageviews and an average site visit time of 2 minutes and 8 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 conducted by request a Coastal GEMS training session for Hampton Roads local planning staff as part of a Hampton Roads Planning District Commission environmental committee meeting on February 2nd, 2012.

-The Coastal GIS Coordinator continued involvement in the Seaside SAMP group, the Eastern Shore of Virginia GIS Users group, and the Richmond GIS Users group by attending meetings and participating in discussions. The Coastal GIS Coordinator also continued involvement with the Coastal VEVA group by assisting with improvements to Coastal VEVA outreach materials. The Coastal GIS Coordinator performed Virginia Department of Historic Resources archive searches as part of the state historic preservation office clearance process for two separate CZM funded projects.

-Map products created for CZM staff/partners by the Coastal GIS Coordinator include: maps of American Oyster Catcher distribution on the Eastern Shore of Virginia included in the final report for FY09 Task 96.01, an overview map of the Rappahannock River rotational oyster harvest areas for VMRC conservation and replenishment staff to utilize in presentations, a map of the Wreck Shoals oyster sanctuary area in the James River for VMRC staff to utilize for enforcement purposes, a map of protected lands on the Eastern Shore highlighting the Pickett's Harbor Natural Area Preserve addition for DCR to include in a press release, a map of conserved lands on the Southern tip of Virginia's Eastern shore for VA CZM staff to include as part of a display at the 2011 Eastern Shore Birding Festival, and a map comparing lands prioritized for conservation on both sides of the VA-MD border to inform a discussion on joint land protection projects.

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Maintenance	50	Sep 30 2012
Coastal GEMS Updates	50	Sep 30 2012
Coastal GEMS Data Liaison	50	Sep 30 2012
Coastal GEMS Training Program	50	Sep 30 2012
Identification of Data Needs and Initiatives	50	Sep 30 2012
GIS Map Products	50	Sep 30 2012

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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>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2011	9/30/2012	12/31/2012		

Multi-Media Outreach Strategies: Staff is implementing the program's general outreach strategy focused on enhancing visibility of the program and its efforts among a varied audience, including production of a magazine and website work (details below). Virginia CZM staff generated a list of possible topics on which to focus a sub-strategy(s) during 2012, and decided the first would highlight the program's habitat restoration successes. A strategy was developed which includes use of existing and new media to carry this message to specific audiences. Staff participated via conference call in the CZMA Messaging Session during Program Manager's meeting, and Virginia CZM will help support the national effort through whatever means possible, including an increased use of constituent testimonials and stories in the program's outreach activities and materials. Staff also continued to implement and refine a social marketing strategy for the Plant ES Native Plants campaign, and is encouraging expansion of the effort to increase native plant use in other coastal regions. Staff is providing guidance to NVRC staff in developing a social marketing campaign in Northern Virginia (FY11, T54). Staff gave a webinar on social marketing and its application in the Plant ES Natives campaign in March (16 attendees), which generated Native Plant Society interest in a possible project in the Northern Neck. This scripted webinar is being provided to each attendee in PDF format and further distribution being considered. Staff continued communication and coordination efforts with partners in the Virginia Native Plant Marketing Partnership, presented in the North American Association of Environmental Education on social marketing (October) and served on a panel to review communication grant proposals to the Chesapeake Bay Trust (January).

Printed Media: Staff finalized production of a special 25th anniversary issue of Virginia Coastal Zone Management Magazine - including final copy editing and layout, print management and distribution in December 2011 and January 2012. The magazine drew interest from the Secretary of Natural Resources, who requested that an Op-ed be drafted for his submittal highlighting the program's accomplishments. The Op-ed was provided but has not been printed to our knowledge. The magazine also generated interest of producer of Virginia Water Radio in producing a series of radio spots and podcasts to highlight Virginia CZM issues. Publications produced, or contributed to, included: the Virginia 2010 CSO Funding Fact Sheet (return on investment section highlighted how oyster restoration support has helped dramatically increase landings); a Section C Report on the results to date of the Plant ES Natives campaign; a Coastal Chapter in the DEQ 305b water quality report focused on the program's habitat restoration projects; and, an educational poster on schoolyard habitats, focused on the use of natives, including creation of a list of species suitable for use by schools state-wide. Publications under production include: a reprint of the popular Virginia Oyster Gardening Guide, which will be edited based on feedback from users of the guide, & include testimonials from gardeners; a fact sheet on Seaside restoration to be provided during a federal legislative visit in June; the next issue of the Virginia CZM magazine - to be released in September, which will include testimonials throughout from those who have benefitted from Virginia CZM's leadership and funding; Plant ES Natives plant ID markers to be installed in official demo gardens; a Plant ES Natives pencil as a replacement to decals, featuring the campaign logo and new website address (which changed as a result of DEQ's redesign of its website); and, a new plant guide for the Northern Virginia region based on the Eastern Shore guide template.

Events and Training: As part of the Plant ES Natives Campaign strategy, staff focused on increasing the capacity of the "Community Leaders" (CLs) to help implement the campaign. A 3rd training was provided in February bringing the number trained leaders to 43; and, focused on organizing leaders into teams - most leaders have signed onto teams and individual meetings are being scheduled with teams to create their work plans. Two campaign feedback meetings were held in December and February, and although open to the public were primarily attended by the CLs bringing observations and comments from their community. This feedback helped inform discussion during a March campaign review and strategy meeting, and helped guide decisions on where to tweak the campaign strategy (an updated campaign status report will be submitted a final product). Exhibits during this reporting period included: Dragon Run Day (Oct), ES Birding and Wildlife Festival (Oct), Urbanna Oyster Festival (Nov) and Winter Wildlife Festival (January).

Electronic Media: In addition to the webinar and radio ads previously mentioned, a significant portion of staff time was spent on redesign of the VACZM website-<http://www.deq.virginia.gov/Programs/CoastalZoneManagement.aspx>, including navigation and content revisions, driven by the redesign and conversion of DEQ's website to new content management software. Staff served on a team given a two-week time period (full-time) to transfer all web pages from the old to the new website (Virginia CZM pages make up about 1/3 of DEQ site). Staff serves on the DEQ Web Steering Committee, which provides DEQ management with guidance on decisions concerning web design, navigation and use of social media. This conversion introduced unexpected navigation glitches which are being corrected.

Final Products	% Completion	Anticipated Completion Date
Communication/Education/Marketing Materials	50%	September 30, 2012
Website Development/Maintenance	50%	September 31, 2012
Campaigns/Events/Presentations/Exhibits	50%	September 30, 2012

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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>	Project Period Open
Proposed	Start:	End:	Closeout:		
	10/1/2011	3/31/2013	6/30/2013		

On Feb. 8, 2012 \$5,897 was transferred to Task 53 to fully fund MP PDC's working waterfronts project which NOAA approved. On March 21, \$2,760 was transferred from this task to Task 2.01 Back Bay Forum which was approved by NOAA on March 16, 2012. About \$5,400 remains in this task.

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>	Project Period Open
Open	Start:	End:	Closeout:		
	2/15/2012	6/30/2012	9/30/2012		

The Back Bay Restoration Foundation (BBGRF) held the 2012 Back Bay Forum on March 15, 2012 in Virginia Beach. The BBRF Executive Director prepared the registration form, agenda, website, and nametags and provided digital copies of the presentations to attendees. The Forum included updates on the status of various natural resources, as well as presentation on issues such as sea level rise, TMDLs, invasive species, living shorelines, and Virginia Beach's Sustainability Plan. The Forum was well attended. Participants were asked to complete a survey, which will be used to help determine future actions by the Foundation as documented in the Action Plan (currently under development).

Final Products	% Completion	Anticipated Completion Date
Product #1 – Agenda, Registration, Nametags	100	--
Product #2 – CD of Presentations	100	--
Product #3 – Action Plan	20	Sept 30, 2012
Product #4 – Forum Web Link	100	--
Product #5 - Survey and Comment Form	100	--

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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> Project Period Open
Open	Start: End: Closeout: 10/1/2011 9/30/2012 12/31/2012	

During the first half of FY 2011, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 105 development projects and management plans for consistency with the Virginia Coastal Program. This represents 83% of the total amount of projects (126) reviewed during this period. Major state projects accounted for 10 projects, 63 were federal actions, and 32 were federally funded projects (predominantly local government projects). The 63 federal projects included 37 federal agency activities, 3 Outer Continental Shelf activities, 10 federal licenses and approvals, and 13 HUD mortgage insurance 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.

On November 30, 2011, at the request of the U.S. Coast Guard (USCG) Sector Hampton Roads in Portsmouth, OEIR staff participated in a workshop conducted for marine event sponsors involved in applying for permits to conduct marine events (e.g. boat races and fireworks shows) on Virginia navigable waters. USCG permitting process includes the promulgation of regulations which is a federal action required to be consistent with the VCP. OEIR staff presented an overview of federal consistency requirements and Virginia's review process and procedures to over 31 participants.

OEIR also participated in the Department of General Services, Division of Engineering and Buildings Capital Outlay and Facility Management Forum on October 6, 2011 at the Virginia Museum of Fine Arts. The objective of these meetings is to provide an opportunity for the exchange of information and network with state agency peers. The October forum was attended by 70 state agency facility officers and capital outlay managers involved in the development and construction of capital projects. OEIR staff presented an overview and answered questions on DEQ's state and federal review authorities under the EIR, NEPA and CZMA laws.

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 DEQ website has been updated with a new navigational structure to make it easier for the public to find information, including public notices. The OEIR webpage is updated weekly.

Final Products	% Completion	Anticipated Completion Date
Federal consistency determinations and certifications responses	50%	9-30-2012
Consistency outreach effort	50%	9-30-2012

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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>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2011	9/30/2012	12/31/2012		

1. Environmental Education Leaders: Coordination and delivery of trainings began. The Community Education Specialist, David Ruble, has coordinated the delivery of four out of six professional development workshops and webinars. One 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 continued on developing a Watershed Profile for Environmental Education Leaders. A dozen educators are enrolled in this year's program. David maintains 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—a track for environmental issues and field trips was included in their annual professional development conference which attracted 800 science teachers. The office sponsored 2 workshops and an exhibit. 2) Mid-Atlantic Environmental Literacy Roundtable was held in Chevy Chase on Nov 2-3. 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 December 5th During which staff facilitated final comments on what VA state agencies need and can do to support the Mid-Atlantic Region (MAR) Environmental Literacy Plan. Regional EE Team leaders were included in the Council's membership- another step towards institutional support for Regional Teams. The Council approved a partnership with the Virginia Association of Science Teachers (VAST) and Ann coordinated efforts between regional VAST groups and Virginia Naturally Regional Teams to offer STEM and MWEE workshops this spring. 4) Ann continues 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 grant proposals to the Virginia Environmental Endowment and Chesapeake Bay Restoration Fund (License Plate) 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. On February 24th, Ann's position was expanded to include Education, Public Affairs and Community Involvement.

Final Products	% Completion	Anticipated Completion Date
Environmental Education Leaders	75	September 2012
Capacity Building	50	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>	Project Period Open
Open	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 continues. Construction began in October 2009 and is scheduled for completion by August, 2012. To-date, \$7,081,902.52 of the \$7,960,630.00 grant has been paid to the Town.

In the period since October 2011, reimbursements totaling \$645,338.99 have been made to the Town for this project, which is about 71% of 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"/>	71%	August, 2012

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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> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

During the reporting period, VMRC received a total of 890 joint permit applications. Actions were completed on 888 projects some of which were received prior to the reporting period. During the reporting period, 168 compliance inspections were conducted for previously issued permits. Also 50 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 212 projects involving tidal wetlands. Of this total, 169 were approved as proposed, 42 were approved as modified, 1 was denied and 18 required compensation either on or off site (6), or through payment of an in lieu fee (12) accounting for 15,611 square feet of tidal wetland impacts.

Final Products	% Completion	Anticipated Completion Date
Collect permit Compliance data for projects permitted by VMRC	Ongoing	
Collect permit compliance for wetland projects permitted in 2010	38%	September 2012
Compile data for entry into database	50%	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> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

--Multiple presentations were given to localities and land trusts including Hampton Roads PDC, Newport News Green Foundation, James City County, Virginia Beach, DCR Land Conservation and George Mason University. 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 10/01/11 through 3/31/12, 408 projects were reviewed for impacts to natural heritage resources in the coastal zone (40% of the projects reviewed statewide). The Draft EA for the North Wallops Island Unmanned Aerial Systems Airstrip came up for review prior to the completion of the survey report for the inventory performed at North Wallops Island in the summer of 2011. The report included the discovery of a potentially new rare species of Anomalous eupatorium within the area of disturbance. Due to the presence of the eupatorium and the globally rare Maritime Dune Woodland within the proposed project area, NASA, Project review staff and Inventory staff held a conference call to discuss possible mitigation measures including adjusting the airstrip location and potentially preservation of the remaining areas on Wallops Island supporting these natural heritage resources for research.

--77% 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 is currently working with five localities, Accomack, Hanover and King and Queen counties and the cities of Williamsburg and Chesapeake, to provide them with Natural Heritage language and maps for inclusion in their comprehensive plans. Additional localities are being contacted to determine schedules for comprehensive plan updates.

--Planning has begun to develop a new Natural Heritage Data Explorer (NHDE) 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	% Completion	Anticipated Completion Date
Project Review	50	September 30, 2012
Locality Assistance Program Presentations	50	September 30, 2012
Natural Heritage data for Coastal Partners	50	September 30, 2012
Improvements to Natural Heritage data Tools	30	September 30, 2012
Final Report	0	September 30, 2012

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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>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Outreach Education:

- 11/2/11 – Tools for Coastal Resource Management – Mathews County
- 1/27/12 – 2011 General Assembly Session SB964: Coastal Resource Management – Crater PDC
- 3/14/12 – Integrated Shoreline Management/ Decision Trees for Rappahannock River Stewards
- 3/16/12 – Integrated Shoreline Management & the Wetlands Board, Part 2 – Fairfax County

CCRM Advisory Activity:

	Information Requests	Add'l Field Visits	Meetings	Advisory Reports	Website Hits
OCT	120	7	15	2	58
NOV	163	1	14	1	61
DEC	100	4	8	9	29
JAN	188	6	23	6	67
FEB	187	0	21	5	68
MAR	171	2	20	7	74

Wetlands Reports:

The Center for Coastal Resources Management continues to post Joint Permit Applications with VRMC assigned numbers in a searchable database on our website. To view the original shoreline permit applications, as well as the associated VIMS report, 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:

- CCRM e-News Oct 2011, (Terrapin By-Catch, CCRMP's and VA's Wetlands Program Plans)
- CCRM e-News February 2012, (workshop announcement)

Final Products	% Completion	Anticipated Completion Date
Product #1 – Outreach Educational Offerings <input type="checkbox"/>	40	Sept 30, 2012
Product #2 – Permit Application Reviews <input type="checkbox"/>	50	Sept 30, 2012
Product #3 – Outreach Publications <input type="checkbox"/>	30	Sept 30, 2012
Product #4 – Wetlands Program Database <input type="checkbox"/>	50	Sept 30, 2012

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		

VIMS successfully completed the acquisition of aerial photographs of the entire bay and tributaries and coastal bays for the 2011 SAV annual survey.

VIMS also successfully completed ortho-rectifying all flightlines, mosaicing all the quadrangles, and photo-interpreted SAV on all quadrangles for the Chesapeake Bay and the Coastal Bays. VIMS distributed the Bay-wide 2011 SAV numbers to all participants by the beginning of March. 2011 SAV data can now be viewed at: <http://web.vims.edu/bio/sav/sav11/index.html> and also on the interactive map: <http://web.vims.edu/bio/sav/maps>.

Final Products	% Completion	Anticipated Completion Date
Draft Final Report	50	June, 2012
Final Report	0	Dec., 2012

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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>	Project Period Open
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.

Assisted NVRC to outline the process of conducting public listening sessions around Climate Change and Sea Level Rise in Northern Virginia. Through an extension of funding from the VCZM program to the NVRC for this work, a contract was established with the University of VA Institute for Environmental Negotiation (UVA IEN) to lead the listening sessions in the same manner as those conducted in the VA Beach area. Due to an unfortunate decision by Prince William County's Board of Supervisors, the concept was not supported. The project team determined an alternative approach would be to conduct 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 will be held in the Spring, 2012.

Under the VNEMO Program, the CNP Manager conducted the group process facilitation and led the Middle James Roundtable through a revision of their Strategic Plan.

The Coastal NPS Program Manager was requested by VDCR to implement a training program to improve the capacity of the field staff in implementing outcome based technical assistance for local governments, following the model of the VNEMO Program. This training was conducted at the Science Museum of Virginia and included participants from the VDCR field staff from the Divisions of Stormwater Management and Natural Heritage; VDEQ; VIMS Coastal Resources Center, the Coastal Planning District Commissions and local government.

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 began at the Science Museum of Virginia of the bioretention, porous pavement, and the tree well filters.

The VNEMO Program continued to assist the Division of Natural Heritage in the development of an outreach and engagement strategy around VA Ecological Valuable Areas. This database effectively integrates the INSTAR stream database at VCU. VEVA is a primary vehicle for communicating the value of the VA Healthy Waters Initiative due to the linkages of terrestrial and water based resource assessments.

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 Chowan Basin was selected as a pilot site to develop a watershed protection plan following the USEPA and VA DEQ Watershed Implementation Plan process.

Final Products	% Completion	Anticipated Completion Date
Final Report	0	October 2012

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		

The Southern Tip Partners continued coordination to select a parcel for acquisition. A conservation easement (or fee simple acquisition if the Secretary of Natural Resources will approve) for Picketts Harbor Farm is the first choice of the group. This 50 acre parcel is in Northampton County and is adjacent to "Pond Drain" which connects through DCR's Picketts Harbor Natural Area Preserve to Chesapeake Bay. Negotiations with the landowner will begin in summer 2012. If the seller is not willing to sell for appraised value, two alternative choices have been identified (Level Ponds on Bayside of Accomack County or a parcel adjoining Mutton Hunk NAP on the seaside of Accomack County).

Year: 2011

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

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		

2.6 million eelgrass seeds were broadcast into 13 one acre plots in Spider Crab Bay at a seed density of 200,000 seeds. In addition, three eelgrass seed test plots (10,000 seeds each) were established in Black Duck Cove to determine if this location, which supported eelgrass in the early part of the century, could now support eelgrass.

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>. All water quality data are subject to EPQ and DEQ approved QA/QC procedures and final data will be available on the www.VECOS.org web site. Biomass and growth of eelgrass at both the South Bay and Spider Crab Bay restoration sites were measured in October 2011. The density and abundance of eelgrass at the more recently seeded Spider Crab Bay site were significantly less than the restored bed at the more established South Bay restoration area.

Two independent surveys (diver surveys and suction sampling) conducted during fall 2011 revealed that scallops had recruited to the South Bay grass bed, though the total population size estimates from these surveys varied widely. These scallops are almost certainly the offspring of the caged broodstock and are a strong indication of early success in this program. The suction sampling was a part of a much larger benthic survey to better understand the presence of the possible competitors and predators of bay scallops.

Aerial photographs of the VA seaside bays were mosaicked, and processing began to delineate the eelgrass beds and determine the overall amount of eelgrass in the bays.

Final Products	% Completion	Anticipated Completion Date
Coastal Gems data	0	3-31-2013
Final Report	0	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>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2011	9/30/2012	12/31/2012		

Climate Adaptation Working Group

A-NPDC has held two working group meetings. The group successfully oversaw a roll-out campaign for the new LiDAR elevation data including presentation to Accomack and Northampton Supervisors and Planning Commissions. The group coordinated with the NOAA Coastal Services Center to develop coastal vulnerability models for the Eastern Shore. The group has developed a public workshop to educate local citizens and elected officials about impacts from sea level rise.

Coastal Management Trainings

A-NPDC has successfully directed 5 trainings/events that have reached nearly 100 people and brought together 44 stakeholder groups. Trainings have incorporated the following topics: ground water quality, cultural awareness, GIS & LiDAR data, coastal recreational planning, and restoration of water quality in surface waters.

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 reduction strategies to be included in submissions 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. A-NPDC has served on the Local Gov. Working Group throughout the TMDL/IP planning process for four watersheds. A-NPDC participated in the development of a regional Hazardous Spill Response Plan by attending regular meetings. A-NPDC judged the regional high school Envirothon competition, which promotes environmental stewardship among local students. A-NPDC assisted a local NGO with printing of documents for dissemination to raise awareness in recycling and proper solid waste disposal. A-NPDC participated in a regional Agricultural Expo focused on protecting water quality. A-NPDC participated in a Civil Public Participation Training.

Ground Water Committee

A-NPDC held 3 Ground Water Committee meetings. The committee has reviewed 7 ground water withdrawal permits, and completed two environmental reviews. The committee submitted comments to the Northampton Co. Comp. Plan update and has served on the state Reuse for Recharge TAC. The committee has begun updating the 20-year old ESVA Ground Water Supply Protection & Management Plan. The committee held a successful public workshop on the ground water quality. The committee awarded the 2011 Ground Water Award to Cherrystone Campground & Aqua-Farms for their exemplary reuse of wastewater for irrigation purposes.

Transient & Working Waterfront Infrastructure Needs Assessment

A-NPDC has spoken with planners from local governments to begin developing local definitions and an inventory for transient & working waterfront infrastructure. A-NPDC will coordinate with VIMS staff to develop a survey for conducting the needs assessment.

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Report	50%	9-30-2012
Coastal Management Training Report	100%	9-30-2012
Technical Assistance Report	50%	9-30-2012
Ground Water Committee Report	50%	9-30-2012
Transient & Working Waterfront Infrastructure Needs Assessment Report	25%	9-30-2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**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>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

(1) Crater PDC staff processed eleven environmental impact reviews for local, state, and federal projects. (2) Two coastal meetings/training sessions were held during the reporting period (1/27/12 and 3/23/12). Topics of discussion were Shoreline Management & Comprehensive Planning, Stormwater Education Programs & Urban BMP Criteria, and the Crater PDC Rural Transportation Planning Program. (3) Crater PDC staff assisted with WIP II submittal packages from local governments. (4) The Crater Region public meeting for the 2013 Virginia Outdoors Plan Update was held on January 19, 2012 at the Crater PDC offices. (5) The Crater PDC hosted the semi-annual Coastal PDCs meeting on 10/3/11. (6) Commission staff participated in several environmental planning efforts pertaining to water monitoring on the Appomattox River, trail development in the Crater Region, regional TMDL studies, the Albemarle-Chowan Watershed, and the Middle James Round Table. (7) Crater PDC staff continued to provide technical support to FOLAR – Friends of the Lower Appomattox River. This included hosting meetings, providing website maintenance, and preparing and submitting grant proposals. FOLAR received two grants during this period - \$2,100 from the Chesapeake Bay Restoration Fund for trail signage in Appomattox River Regional Park; and \$3,000 from Virginia American Water for scenic river signage along the Appomattox River.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	50%	9/30/12
Coastal Meetings	50%	9/30/12
Coastal Training	50%	9/30/12
FOLAR Assistance	50%	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 9/30/2012 12/31/2012		

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

Environmental Impact Review. Twenty-two (22) 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 (44) entries were posted, with topics ranging from environmental education to regional economics. Two training sessions on storm-tide observation tools and Coastal GEMS were also provided for local government staff.

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, six (6) meetings were held of the regional Joint Environment Committee (JEC). Topics covered included stormwater management regulations, the Chesapeake Bay TMDL, climate change, and environmental education. HRPDC staff also facilitated meetings of the region's Chesapeake Bay TMDL Phase II Watershed Implementation Plan Steering Committee.

Regional Technical Studies. HRPDC staff worked with local government staff to identify appropriate topics for regional technical studies. Potential topics include regional land use patterns and green infrastructure.

Technical Assistance. Assistance was provided to local government staff, consultants, businesses and citizen environmental organizations on environmental and planning issues.

Final Products	% Completion	Anticipated Completion Date
Final Report: Hampton Roads TA Program	20	September 30, 2012
EIA/EIS and Coastal Consistency Review	50	September 30, 2012
Public Information, Education and Training	50	September 30, 2012
Regional Coordination Process	50	September 30, 2012
Regional Technical Studies	5	September 30, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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>	Project Period Open					
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">Start:</td> <td style="width: 25%;">End:</td> <td style="width: 50%;">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						

Product #1

Title: Coastal Management Analysis and Policy Support – MPPDC staff continues to provide coastal management support to local elected officials and other local government officials, local planning commissions and local planning staff. MPPDC staff provided direct research assistance on issues related to Chesapeake Bay water quality. MPPDC staff has taken 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. MPPDC staff continued with coordination and research associated with the submittal of a Middle response to Virginia Chesapeake Bay TMDLs and WIP.

Product #2

Title: Local Planning Coordination MPPDC staff convened monthly meetings of the Middle Peninsula Local Government Administrators 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. Items of most interest were the tracking and discussion of Virginia General Assembly Bills and Resolutions Under consideration during the 2012 session and the relations to coastal zone management and local land use and policy implications. Considerable staff time was devoted to the tracking of proposed legislation pertaining to stormwater regulations. Training- see schedule below

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 to the MPCBPAA. Discussed construction requirements and grant requirements associated with 306A funds with NOAA Coastal Zone Management staff; wharf permitting requirements with Virginia Marine Resource Commission staff; sanitary sewage issues of concern from the Virginia Department of Health; and, Gloucester County local zoning and building requirements.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Analysis and Policy Support	50	Sept 30
Local Planning Coordination	50	Sept 30
Assistance with the implementation of the Middle Peninsula Chesapeake Bay Public Access Authority annual work plan. Perrin Wharf transfer	50	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>	Project Period Open
Open	Start: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

NNPDC staff held a Northern Neck Land Use Administrator's Meeting on January 18th. The first part of the meeting was additional training on the Virginia Assessment Scenario Tool (VAST). Land Use Administrators received a demonstration on how to use the VAST tool, and the various allowable best management practices that the tool records that are used in the Chesapeake Bay Models. After the training on VAST, NNPDC staff conducted the local coordination meeting. NNPDC staff presented information that was delivered at the November 2011 Virginia Stakeholder Advisory Group meeting. Local land use staff were informed of the problems with the accuracy of the Chesapeake Bay Model version 5.3.2. Most importantly, according to Virginia state staff, nutrient management planning implementation in many Virginia counties actually increased the amount of pollution coming off the land, instead of reducing nutrients as logic would suggest. Since Virginia's WIP I plan relied on nutrient management planning to get a large portion of the nutrient reductions, the problems with the 5.3.2 Bay Model make it very difficult to move forward to create a Watershed Implementation Plan II. Some counties in Virginia, according to the 5.3.2. Bay Model have already met the nutrient reduction goals, while others are shown to have made much less progress than they actually have due to the problems with the Nutrient Management Plan BMP credit in the model. NNPDC staff warned local land use staff that although the final nutrient reduction numbers are still debated, we all need to start thinking of ways the county can help reduce nutrients flowing off of the land. Most likely, at the county level, this will entail enhanced tracking of BMP's installed by the private sector, in addition to possible education outreach programs.

NNPDC staff have revised 3 of the 5 digital tax maps for Northumberland County. The work entailed aligning the property lines with roads, fence and shrub lines and other property line indicators viewable on the 2009 Virginia Base Mapping Program aerial photographs. The revised digital tax maps need to be reviewed for accuracy in the line work and tax parcel attributes, and any problems corrected before they are finalized.

NNPDC staff have contacted Richmond County staff, and after several discussions determined the two creeks for water trails: the Lancaster-Morratico Creek in the southern part of Richmond County and Cat Point Creek in the central part of Richmond County. NNPDC staff have coordinated with the Rappahannock River Steward, who is employed by a local nonprofit organization, the Friends of the Rappahannock. The Rappahannock River Steward lives on Lancaster-Morratico Creek and offered to accompany NNPDC staff on an upcoming reconnaissance field excursion to take photographs and identify points of interest. Mapping has begun and work on the design of the website is progressing.

NNPDC staff have worked with Westmoreland County and Lancaster County staff to identify one of the two creeks for water trail creation in each respective county. Monroe Creek/Monroe Bay will be the focus of one water trail in Westmoreland County and Mulberry and Deep Creeks in Lancaster County (which are adjacent to Lancaster-Morratico Creek).

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50	September 30, 2012
Local Planning Coordination and Training	25	September 30, 2012
Northumberland Five Revised Digital Tax Maps	45	September 30, 2012
Three County Water Trails Maps and Website	20	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 NVRC Coastal Resources Technical Assistance Program	Current Federal Total:	\$30,000.00					
<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: 25%;">Start:</td> <td style="width: 25%;">End:</td> <td style="width: 50%;">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						

Coordination & Training. During the reporting period, NVRC staff coordinated and implemented two rain garden workshops held on October 1, 2011 and March 30, 2012. Through the workshops, 68 participants learned how to design, build, landscape, and maintain small-scale residential rain gardens. These workshops have proven to be instrumental in providing technical expertise and resources to support the application of innovative stormwater management practices on private properties. Additionally, the workshops serve to educate local government staff on designing residential rain gardens. Directors of public works departments, local stormwater engineers, land use planners, and other local staff participated in one of the two workshops that occurred during this reporting period. Over three-quarters of all participants who provided feedback stated that they will move forward with placing a rain garden on their properties. www.novaregion.org/raingardens

On January 25, 2012, NVRC hosted two Virginia Outdoor Plan Meetings to discuss recreation and conservation opportunities across the region. Over 30 local government staff and the general public attended these meetings. Participants identified several regional priorities, including equestrian and mountain biking trails, as well as new local, regional, and state parks. It was agreed that the conservation priorities identified through the Conservation Corridors in Northern Virginia (funded by CZM) be represented in the final plan.

Special Project – Northern Virginia Clean Water Partners. To accommodate partnership interests from local governments in Maryland and D.C. and to save costs, the Clean Water Partners entered into a joint campaign effort with the Regional Education Campaign coordinated by the Metropolitan Washington Council of Governments. Joint efforts resulted in the establishment of 541 new blog and Facebook followers. To support the campaign and plan various elements, one meeting was held which resulted in the development of a joint plan for a mini-online campaign. www.onlyrain.org, www.metro-dc-dog-blog.com, www.gardening.mwcog.org

EIS/EA/EIR Reviews. Since October 2011, NVRC staff have reviewed and responded to numerous EIR requests across the region. However, as part of EIR review processes, NVRC staff met with related staff from the National Capital Planning Commission (NCPC) who are responsible for reviewing EIRs for federal facilities. The meeting resulted in NCPC's agreement to utilize information gained through the Conservation Corridors Planning in Northern Virginia project, funded by the Virginia CZM program, to identify regionally-significant natural resources that federal facility expansions and/or developments should avoid.

Final Products	% Completion	Anticipated Completion Date
Annual Report – NoVA Coastal Resources TA Program <input type="checkbox"/>	50	September 30, 2012
Summary of Regional Stormwater Education Campaign	50	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> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Product #1: Local Government Coordination and Training Program Report

GWRC staff convened several technical LID/stormwater best management practices webinar training viewing sessions hosted by the Chesapeake Bay Stormwater Network from October 1 through March 31 to support local government interaction on the development of regional response to the DCR TMDL –WIP process. Additionally, several group work sessions with local government environmental planning and stormwater program technical staff were held on the review of TMDL data and evaluation of regional and local WIP strategies. Moreover, on October 17, 2011, GWRC hosted DCR training session for all local government staff in PD 16 (and elsewhere) at the University of Mary Washington (Stafford Co campus) to demonstrate the use of the Virginia Assessment Scenario Tool (VAST) developed by VDCR to solicit local data review and WIP strategies to support Virginia’s WIP Phase II response to US EPA. Another VAST training session was held for local government on Dec. 21, 2011.

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

GWRC staff used a stratified random-sample of land cover at the TMDL river segment sub-watershed level (by using the free i-Tree canopy land cover classification tool)and aggregated the results for regional review of TMDL land cover estimates at jurisdiction level to determine how jurisdictional land cover estimates in the Ches. Bay water quality model may misrepresent local land cover. The results of this analysis were submitted to VDCR, along with a program of locally-endorsed (at the technical staff level) regional WIP-2 strategies to respond to DCR deadline for local and regional input to the TMDL/WIP-2 process.

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

GWRC staff and consultants worked with homeowners in City of Fredericksburg and Caroline Co to support their participation in the GW-HELP program (see www.gwhelp.org). Over the last 6 months, 63 homes have had completed home energy audits, 22 home energy-saving retrofit projects have been completed and \$440,514 dollars of EECBG grant funds encumbered to cover home energy-saving rebate projects. Two public outreach meetings were held on March 31, 2012.

Final Products	% Completion	Anticipated Completion Date
#1: Coordination & Training	50	Sept. 30, 2012
#2: Enhancement of Community Conservation Information Inputs	75	Sept. 30, 2012
#3: GW-HELP Project Implementation	75	June 30, 2012

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Technical Assistance RRPDC staff processed 41 environmental and intergovernmental reviews from October 2011 through March 2012. RRPDC staff assisted locality staff with mapping and research regarding development of the Chesapeake Bay TMDL Phase II WIP.

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 Phase II Watershed Implementation Plan and associated 2-year milestones. This ongoing communication and coordination feeds directly into the planning of training sessions mentioned below.

Training RRPDC staff is planning an Environmental TAC training session for April 16. DCR staff will provide 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. Multiple activities not listed were conducted during this semiannual report period, but were separately funded by DCR.

Coastal Mapping Update RRPDC staff has developed and is finalizing a regional existing land use map. This existing land use map can serve a wealth of planning purposes related to Coastal Zone Management objectives. The map should be finalized within weeks. RRPDC staff has begun work with Virginia Department of Environmental Quality staff to map water quality monitoring data across the Richmond Region. The existing land use data, paired with water quality monitoring data, will enable regional and local planners to track changes land use may have on water quality over time.

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

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 in addition to some additional GIS mapping and analysis produced by VDCR based on this 1997 report. RRPDC staff has determined that limited additional work needs to be exerted towards the refinement of this data. Meanwhile, RRPDC staff has found privately sourced funds to reprint an additional 30,000 copies of the Rivers of the Richmond Region Public Access Guide produced during the FFY10 Richmond Regional PDC Technical Assistance Program grant. These maps have been reprinted. They are currently being distributed to interested partners across the region.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance	50	September 30, 2012
Coordination	430	September 30, 2012
Training	15	September 30, 2012
Coastal Mapping Update	50	September 30, 2012
Regional Future Land Use Map Update	15	September 30, 2012
Coordination on Public Access to the Region's Rivers <input type="checkbox"/>	85	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 January through March 2012, the Virginia Aquarium Stranding Response Program (VAQS) recorded 12 strandings in Virginia. There were 27 strandings recorded during the same period in 2011.

The VAQS Stranding Team responded to 10 marine mammal strandings in Virginia during this reporting period and all were cetaceans. Six (60%) of the strandings were located in Virginia Beach, three (30%) were located on Virginia's Eastern Shore, and one (10%) was found in Norfolk. The cetacean species included one common dolphin (*Delphinus delphis*), six bottlenose dolphin (*Tursiops truncatus*), one harbor porpoise (*Phocoena phocoena*), one dwarf sperm whale (*Kogia sima*) and one fin whale (*Balaenoptera physalus*). There were no live marine mammal strandings reported during the period. The dwarf sperm whale that stranded was a female and was pregnant with a partially developed female fetus. The 42 ft. male fin whale stranded in Norfolk and showed signs of blunt trauma associated with a ship strike. The warm winter season was unusually active for large whales, and more than 50 individuals were identified in the coastal waters off Virginia Beach.

There were two sea turtle strandings recorded in Virginia during this reporting period and both were green sea turtles (*Chelonia mydas*). One of the turtles was alive and was successfully recovered and returned to the Aquarium's Marine Animal Care Center for rehabilitation from the effects of "cold-stunning". In addition to the strandings recorded during this period, VAQS staff continued to care for two loggerhead sea turtles that are recovering from extensive injuries resulting from boat strikes.

VAQS Staff attended nine professional meetings and workshops 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. Grant funded VAQS staff worked more than 500 hours and Stranding Team volunteers contributed more than 1,000 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	% Completion	Anticipated Completion Date
VA Sea Turtle & Marine Mammal Stranding Response & Reporting	25%	December 31, 2012
Personnel & Cooperator Training Activities	15%	December 31, 2012
Public Education & Outreach Activities	20%	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		

Funding for Richmond Regional PDC remains in this task until 306A documentation for Task 55 is submitted to and approved by NOAA. Once approval is received, remaining funds in this task will be transferred to Task 55.

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	9/30/2012	12/31/2012		

Between October 1, 2011 and March 31, 2012, HRPDC staff introduced and discussed the project's scope of work and deliverables with local government staff and other stakeholders. In addition, HRPDC staff gave several presentations and participated in several coordination activities (Final Product #1). These included meetings with staff from the City of Norfolk, who are currently engaged in efforts to address repetitive flooding, as well as meeting with faculty from Old Dominion University regarding several projects, including: economic impacts of sea level rise and flooding, sea level rise technical forums for local government staff, the ODU Climate Change/Sea Level Rise Initiative, and the Hampton Roads Adaptation Forum, a joint effort between HRPDC, ODU, and Virginia Sea Grant. HRPDC staff gave presentations to the local Urban Land Institute chapter, Norfolk's Citizen Flooding Task Force, and a group of students and local government staff at Hampton University. HRPDC staff has, with assistance from local government staff, begun identifying plans and processes that would be appropriate targets for incorporating climate change impacts or planning. HRPDC staff continues to work with other partners such as ODU, the Institute for Environmental Negotiation, and Wetlands Watch, on related projects.

Final Products	% Completion	Anticipated Completion Date
Climate Change Public Outreach and Education	30	September 30, 2012
Incorporating Climate Change Impacts in Existing and Ongoing Planning Efforts	10	September 30, 2012
Hampton Roads Climate Change Adaptive Management Plan	10	September 30, 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	9/30/2012	12/31/2012		

The project includes 3 tasks to provide research on potential policies that would 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 15% 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 started the data collection and contacted most localities in the region. The contractor has also evaluated the definition of redevelopment in existing regulations and potential differences in how localities define it. CH2M Hill has started reviewing local comprehensive plans and other long-term planning reports to identify areas that are slated for redevelopment.

Task 2 is 85% 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 prepared the presentation and led the discussion for the Hampton Roads Watershed Roundtable on January 25, 2012. The Roundtable meeting was funded through a DCR grant. However, the effort required to develop the materials was not included. Wetlands Watch helped promote the Roundtable meeting which had record high attendance. Feedback from local government stormwater staff, watershed groups (Chesapeake Bay Foundation, Lynnhaven River Now, etc., and landscape and design professionals who attended the Roundtable helped shape the draft report for this task. Wetlands Watch submitted the draft report to HRPDC in March 2012.

Task 3 is 50% complete. HRPDC has issued a contract to CH2M Hill. HRPDC had two meetings to kick off Tasks 1 and 2. For Task 1, HRPDC identified a staff member in each locality and provided phone numbers and email addresses to help the contractor begin data collection. HRPDC vetted the data collection questions. For Task 2, HRPDC has met with Wetlands Watch several times to evaluate progress on data collection, refine the scope of the research, plan the Roundtable event, and review the first draft of the report.

Final Products	% Completion	Anticipated Completion Date
Redevelopment Activities to Meet Nutrient Reduction Goals - Report	15	September 30, 2012
Opportunities and Constraints for Nutrient Reductions on Private Property – Report	85	September 30, 2012
Project Management and Coordination - Summary	50	September 30, 2012

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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
MPPDC staff drafted and received the executed Memorandum of Understanding (MOU) between the Northern Neck PDC and the Accomack-Northampton PDC (January 2012) which creates 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
Convened the project kick off meeting at the Virginia Institute of Marine Science on March 29th. Discussed working waterfront issues, political challenges, and relationship to other ongoing working waterfront projects in Virginia. Coalition PDC partners agreed that defining what a working waterfront is (regionally) must be completed prior to discussing the Coalition's purpose with local industry representatives. Participating PDC's, under a separate Virginia CZM grant, being coordinated by Marine Advisory Services at VIMS should have definitions completed by late spring 2012. The Coalition will reconvene once each region has settled on a definition. MPPDC has vetted a definition with local land use administrators to ensure close public policy connections for possible future use and compatibility with local land use planning tools.

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 has been produced to assist with the overall coordination and collaboration with various partners.

Final Products	% Completion	Anticipated Completion Date
Establish the Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition	100	Sept 30
Recommendation of tools to provide for state and local tax, regulatory relief, and the preservation working waterfront jobs and infrastructure	25	Sept 30
Coordination with Marine Advisory Services at VIMS for Scientific, Technical and Local Industry Coordination and Collaboration	25	Sept 30

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 12/31/2012 3/31/2013		

Much of this grant period was spent on identifying and coordinating partners who represent diverse interests in native plants. An initial information meeting was held on October 31, 2011 to share background information regarding the campaign, the process and goals, schedule, and potential end products. The meeting resulted in resounding support for the campaign, which many partners see as a complement to their existing efforts that promote the use of native plants.

A campaign kick-off meeting took place in December 2011. At this meeting, the group established a set of guiding principles to support their work together, a working definition of how native plants are defined for this campaign, and ideas for refining the survey instrument that will be used to collect the knowledge, attitudes, and opinions of Northern Virginia residents, which will ultimately guide the development of messages and materials.

Additionally, the Partners agreed to use the list of native plants developed by the Virginia Department of Conservation and Recreation's Division of Natural Heritage as the basis for the campaign. Using this list, NVRC staff separated the species in the following three ways: Natives found only in the piedmont region, natives found only in the coastal plain, and natives found in both the coastal and piedmont physiographic provinces of Northern Virginia. Interestingly, the majority of the native species identified for the region may be found in both the coastal and piedmont provinces.

Since the December meeting, NVRC staff worked to better engage industry partners, connecting particularly with Meadows Farms, a Northern Virginia-based nursery and supply chain, with stores throughout the D.C. Metropolitan region. Jim Meadows expressed that the retail community sees the value in promoting native plants to its customers and would like to do so in a way that is consistent with messages and interests of non-profit and government organizations.

Final Products	% Completion	Anticipated Completion Date
Campaign Research	10	September 30, 2012
Campaign Community Leader Training Module and Materials	10	December 31, 2012
Campaign Materials	0	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:		

This task has not yet been contracted. A funding shortfall for the design portion of the project has caused significant delays. This has recently been resolved by Richmond Regional PDC and 306a documentation should be submitted to Virginia CZM soon.

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 9/30/2012 12/31/2012		

A project initiation meeting was held November 14, 2011 at VIMS. Attendees included representatives of the four Coastal PDCs (Hampton Roads, Accomack-Norhampton, Northern Neck, and Middle Peninsula), planning consultants, and VCP staff. The meeting provided an update on the national WWF efforts and related projects. An overview of the new VCP project was provided and contracting information was detailed. Further coordination of field work and programmatic reporting was established.

Contracts were drafted and sent to the PDCs and consulting planners. Contracts were executed and returned to VIMS.

The first task for the PDC subcontractors was to develop working waterfront definitions by region. PDCs have reported progress on adopting definitions and individual county feedback on the strawman definition(s) provided by VIMS (based upon the national legislative language). Final definitions are being assimilated by the PDCs.

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 have 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. Other PDC's are following a similar tack.

Final Products	% Completion	Anticipated Completion Date
Consensus Definitions of Working Waterfronts by 4 PDC s	50	5/30/12
Inventory of Working Waterfronts by 4 PDC districts	10	9/30/12

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> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

This reporting period was spent reviewing the literature 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 proceeding on compilation of the relevant information into an annotated bibliography.

CCRM has held several meetings to develop draft criteria for a living shorelines general permit. Two meetings included VMRC and Corp representatives. CCRM has communicated, via email, the draft criteria to both the VMRC and the Corps.

CCRM staff attended most VMRC briefings on the living shorelines general permit at the local wetlands boards.

VMRC has initiated an agency ad hoc meeting process to begin the work on the general permit. CCRM will attend the first meeting early May.

Final Products	% Completion	Anticipated Completion Date
Draft permit language	90	Sept 30
Literature review	70	Sept 30
Tech support, process	25	Sept 30

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

Project status: Current approved Final deliverable(s) status: Project Period Open
Open Start: End: Closeout:
10/1/2011 9/30/2012 12/31/2012

This reporting period has been used to develop the baseline mapping layers that will be used for the Shoreline Inventory and Evolution Reports. This activity includes digitizing a base shoreline from aerial imagery for Westmoreland, Henrico county and the City of Va Beach. This is now complete. Data layers have been prepared to run the Shoreline Management Model in Westmoreland County. Preparation of data layers for the modeling in the Lynnhaven River Watershed in Virginia Beach continues. The Shoreline Management Model has been run for Westmoreland County. VIMS elected to update inventory layers for existing data in Westmoreland county and the Lynnhaven portion of Virginia Beach where necessary since changes were observed. Imagery to be used for the Evolution Studies has been acquired and geo-rectification is now underway.

Final Products	% Completion	Anticipated Completion Date
Shoreline Management Plans Lynnhaven Watershed, Westmoreland Co	40	10-2012
Expanded Shoreline Evolution Reports: VA Beach, Westmoreland Co	50	6-2012
Shoreline Inventories: VA Beach, Henrico County	35	10-2012

Task: 94.01 Hampton Roads Planning District Commission Current Federal Total: \$90,000.00
Land & Water Quality Protection in Hampton Roads

Project status: Current approved Final deliverable(s) status: Project Period Open
Open Start: End: Closeout:
10/1/2011 9/30/2012 12/31/2012

Between October 1, 2011 and March 31, 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. Additionally, HRPDC staff solicited local governments to volunteer to be selected as pilot localities to serve as research and testing grounds for this project. After the solicitation period HRPDC tentatively selected Suffolk (suburban) and Norfolk (urban) as the pilot localities. For Product 1, a draft summary of the impacts of new water quality regulations on local government plans and programs has been developed. For Product 2, HRPDC staff has identified several existing tools (such as checklists) that can be used to evaluate plans and policies for their impacts on water quality goals. These tools were presented to the regional Joint Environmental Committee for reactions and comments, which will inform the final deliverable. For Product 3, a matrix has been created that lists tools (models, software, etc.) which can potentially analyze the environmental impacts of different development scenarios. For each tool, the matrix indicates the required data inputs, as well as the data outputs.

Final Products	% Completion	Anticipated Completion Date
Assessment of Water Quality Regulations Impacts	40	September 30, 2012
Tool Development: Plan Evaluation Methodology	40	September 30, 2012
Tool Evaluation for Modeling Development Impacts	40	September 30, 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>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Product 1: Formation of Project Committee Structure: As the Commonwealth of Virginia tasked Chesapeake Bay watershed localities with responding to the EPA Chesapeake Bay Watershed Implementation Plan needs (WIP) by February 1, 2012, MPPDC staff organized a Middle Peninsula WIP committee. The Committee is comprised of Local Government Administrators, Planners and external resource managers as needed. This committee will receive and review project work associated with this project.

Product 2: Rural Local Government Assessment of Nutrient Loading Responsibilities: MPPDC staff worked with the Center for Watershed Protection between October 2011 and February 1st 2012 to coordinate technical assistance needs to prepare Middle Peninsula local government to submit strategies for reducing nutrient loadings associated with the Chesapeake Bay WIP. All Middle Peninsula localities met the deadline and submitted strategies to the Virginia Department of Conservation and Recreation. The Commonwealth of Virginia has submitted a Virginia plan to the Environmental Protection Agency and is awaiting review. Concurrently, the Virginia General Assembly considered legislation to enhance nutrient trading as an approach for local governments to meet nutrient loading responsibilities. The second half of the project will focus on the impacts of a local and regional nutrient trading program.

Product 3: Unintended consequences of Phase II Watershed Implementation Plan: MPPDC staff drafted and received executed contracts for professional services to assist with technical research on the following:

1. Developing a new septic enforcement model (outreach with various state and local government staff has occurred)
2. Land Valuation and relations to VA Dept of Health OSDS regulations (General Assembly legislation (House Bill 80) could further complicate the relationship between VA Dept of Health and land valuation. The Governor has recommended a language amendment. Discussions are underway with key VDH staff on the implications of legislation)
3. Creation of Regional Sanitary Sewer District- research has just begun with the deliverable.

Final Products	% Completion	Anticipated Completion Date
Formation of Project Committee Structure	100	Sept 30
Rural Local Government Assessment of Nutrient Loading Responsibilities	50	Sept 30
Product 3: Unintended consequences of Phase II Watershed Implementation Plan	25	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: \$45,750.00	
Virginia Ocean Spatial Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 11/1/2011	End: 9/30/2012	Closeout: 12/31/2012

A contract was sent to VCU on 12-13-11 and was finally signed and returned on 4-17-12. 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 assist with coordinating 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). MARCO has secured additional support for the development of the Mapping and Planning Portal from the Monmouth Project Team (PMT) that includes Monmouth University, Rutgers University, University of Delaware and the Nature Conservancy.

The Environmental Scientist has begun participating in the weekly MARCO Board conference calls, began coordinating with the NOAA Coastal Services Center, attended the quarterly MARCO Board meeting in Annapolis from December 5-7, attended the Monmouth PMT kick off meeting in New Brunswick, NJ from January 3-5, attended the MARCO-Monmouth PMT kickoff meeting in Baltimore from February 2-3, began participation in the MARCO Water Quality Action Team, MARCO Ocean Planning Action Team (both the Portal and Stakeholder Engagement Subteams), represent VA for the monthly Monmouth PMT Stakeholder Engagement meetings, began refinement of the VA sector-based stakeholder list and coordinated a MARCO subcommittee to create unified language to inform the VA Stakeholder invitation letters.

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 VA Coastal Znoe Management Program, VCU, VA Sea Grant, VIMS, the Virginia Aquarium, and Longwood University and held one meeting and scheduled a second in the following reporting period. In addition, VCU secured graduate research assistant to assist with the development and coordination of activities leading up to the Summit. The Summit is planned for February, 2013.

Final Products	% Completion	Anticipated Completion Date
Final Report	0	October 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: 10/1/2011	End: 9/30/2012	Closeout: 12/31/2012

This task will support a marine debris summit. Planning is underway for the summit, however this task has not yet been contracted. Once a more detailed work plan for the summit is developed, a revised scope of work will be submitted to NOAA.

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:

This task has not yet been created but will eventually be used once the remaining \$54,250 in Task 95.01 is allocated. Task 95.01 contains \$45,750 which was contracted to VCU for a part-time ocean planner.

Year: 2011

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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 Pending
Proposed	Start:	End:	Closeout:
	10/1/2011	9/30/2012	12/31/2012

A scope of work for this task was submitted through Grantsonline on April 20, 2012 for NOAA approval. Given the General Assembly's decision not to pas Senator Northam's bill that would allow for reconsidering Baylor boundaries, the seaside SAMP effort is taking a different tack on will work on recreational use data collection in coordination with the broader MARCO efforts and will also attempt to develop policies to set goals for SAV restoratio on the seaside.