

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from  ne?

Task: 1	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total: \$282,000.00						
Coastal Program Management								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2012</td> <td>3/31/2014</td> <td>6/30/2014</td> </tr> </table>	Start:	End:	Closeout:	10/1/2012	3/31/2014	6/30/2014	
Start:	End:	Closeout:						
10/1/2012	3/31/2014	6/30/2014						

Policy Products: A Coastal Policy Team meeting was held on Aug 19 2013. Meeting notes and summaries of the breakout groups that worked to refine priority issues for CZM identified at the Dec 2012 Coastal Partners Workshop are available at: http://www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/CPT_Meeting_Summary_August_19_2013.pdf.

Coastal Partners Workshop: VA CZM staff hosted the biennial Coastal Partners Workshop December 5-6. The agenda, presentations and a summary Of the December 5-6 Coastal Partners Workshop was posted to the Virginia CZM website: <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/ReportsPublications/2012PartnersWorkshopAgenda.aspx>. This includes the prioritized list of suggestions for future CZM activities which were discussed at the August 19 Policy Team meeting.

RPCs and Amendments: A report from ELI entitled "Virginia's Threatened and Endangered Species Policy Recommendations in Federal Consistency Review" was received during the reporting period and presented to the Virginia Coastal Policy Team (CPT) on August 19, 2013. The report's conclusion was that Virginia should incorporate state-listed T & E species laws and statutes as enforceable policies. After considering the report, the CPT decided to table further action on this issue until its next meeting.

Grant Administration & Reporting: Section A, B C Reports were compiled and submitted to NOAA on April 30, 2013 for the reporting period of Oct. 1, 2012-Mar. 31, 2013. The CZM Manager and Coastal Planners monitored 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.

FY 2013 CZM Grant Application: The FY 2013 Draft application was submitted to NOAA on May 15, 2013, and the FY 2013 Final application was submitted to NOAA on June 11, 2013 via the CAMMP, Grants Online, and Grants.gov systems. Six PDC projects totalling \$136,000 have been selected for funding through a competitive process. The topics are coastal resiliency (2 tasks), native plants (2 tasks), dredging and water reuse.

FY 2013 CELCP Grant Application: The CZM CELCP Coordinator disseminated the FY 2013 CELCP Federal Funding Opportunity and program guidance to all potential Virginia applicants on September 30, 2013. To date, no proposals for CELCP awards have been received by VA CZM. Performance Measures: In September, CZM staff solicited information from the necessary sources to assist in completing the Oct. 1, 2012 – Sept. 30, 2013 Performance Measures report.

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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. She presented an update on the MARCO Ocean Data Portal at the April 4-5 Mid-Atlantic Ocean Stakeholder Workshop in Arlington, VA. She developed agendas for and hosted OPAT calls on April 24 and July 24. A MARCO Board "virtual" meeting was held July 22-23. All meeting notes are available on the MARCO Sharepoint site: <http://collaborate.csc.noaa.gov/Marco/default.aspx>. At the April workshop, the Mid-Atlantic Regional Planning Body was officially established and the first "virtual" meeting/webinar was held on Aug 19 and the first face-to face meeting in NJ on Sep 23-25. The CZM Manager's presentations along with all others is available on the BOEM website at: <http://www.boem.gov/Mid-Atlantic-Regional-Planning-Body>.

Section 312 Evaluation Materials: No Section 312 review has been scheduled however three metrics were approved and work began on the collecting the data for the first report due on October 30, 2013. 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	100	
RPCs and Amendments	100	
Grant Administration & Reporting	100	
FY 2013 CZM Grant Application	100	
FY 2013 CELCP Grant Application	100	
Performance Measures	50	November 15, 2013
Mid-Atlantic Regional Council on the Ocean Documents	100	
Section 312 Evaluation Materials	100	

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 1.01	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R	Current Federal Total:	\$100,386.00
Coastal Management Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Progress Reports Constitute Final Product
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

Progress is reported under Task 1.

Task: 1.02	Virginia Commonwealth University	Current Federal Total:	\$85,200.00
Coastal Management GIS Support And Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

-VCU CES staff performed Coastal Gems maintenance, including installing software/security updates and refreshing map services as necessary. From April 1, 2013 to October 1, 2013, Coastal GEMS received 591 visits from 316 unique visitors resulting in 828 page views and an average site visit time of over 3 minutes. Layers updated during the grant period include: SAV coverage, shellfish condemnation zones, conservation lands, public access lands, Baylor grounds, private oyster leases, and DGIF boat access. A new service was added to the application containing all 22 VA Atlantic Coast Recreational Use Project data layers. Coastal GEMS can be accessed online at: www.coastalgems.org.

-The Coastal GIS Coordinator presented on and gave a live demo of Coastal GEMS v3 at the NC Shoreline Mapping & Coastal Atlas Workshop at the UNC Coastal Studies Institute in Manteo, NC on May 7.

-The Coastal GIS Coordinator worked with Nature Conservancy staff to plan and run a pGIS session for a MAMFC meeting to share spatial knowledge from fishermen and scientists to inform an amendment to protect corals and utilized pGIS tools in a meeting between VMRC and VIMS staff to map potential SAV expansion on the seaside of VA's Eastern Shore.

-The Coastal GIS Coordinator assisted DCR DNH staff in completing a request from Nature Conservancy staff for information on the Coastal VEVA data layer and advised on its use (and potential input layer reprioritization) for land conservation planning in the Dragon Run watershed with a focus on improving water quality.

-The Coastal GIS Coordinator updated the metadata for the Virginia Atlantic Coast Recreational Use data to reflect the stakeholder review process and worked with BOEM staff to get registered and post the metadata on data.gov, helping to troubleshoot the process for uploading state level data to Ocean.Data.Gov website.

-The Coastal GIS Coordinator advised GIS staff on processing data from the MD and DE recreational use workshops on data processing methodology, participant data review options, and methods used to create ArcGIS online map and worked with the team developing a regional mid-Atlantic coast recreational use dataset from individual state datasets.

-Map products created for CZM staff/partners by the Coastal GIS Coordinator include; maps used by VMRC for oyster harvest enforcement including Tangier Pocomoke rotational oyster harvest areas maps, update to Rappahannock rotational area 4 map and overall Rappahannock rotational harvest areas map, and maps of Pocomoke public grounds 9 and 10, a map of field trip options for the Coastal States Organization Sep 17-19 annual meeting in Norfolk, a map of native plant demo sites on Virginia's Eastern Shore for inclusion in the ES Native plant guide, and maps required for 306a documentation and SHPO clearance for VA CZM funded projects from DCR DNH and HRPDC.

-The Coastal GIS Coordinator acted as the VA CZM lead on NOAA's new data sharing policy, reviewing proposals at the request of CZM coastal planners to determine if they require a data sharing policy, fielding questions from CZM grantees, communicating with NOAA staff for further guidance and creating a FAQ document about the new policy.

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Maintenance	100	
Coastal GEMS Updates	100	
Coastal GEMS Data Liaison	100	
Coastal GEMS Training Program	100	
Identification of Data Needs and Initiatives	100	
GIS Map Products	100	

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 1.03	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$98,000.00
Virginia CZM Program Outreach and Publications					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2012	12/31/2013	3/31/2014		

In an ongoing effort to coordinate and collaborate with state, federal and other partners on communication, marketing and education efforts, the OC: served on the CSO Communications Workgroup, working with members to develop a communications strategy in consultation with NOAA and CSC communications staff; began working with Virginia Sea Grant communications staff on development of regional media strategies in advance of 2014 Working Waterfronts Workshop; and worked with the Virginia Resource Use Education Council on strategic planning, advocating an expansion of membership to additional CZM agency/partner community outreach staff and an increased focus on community education efforts. OC continued to share the program's experience and lessons learned in social marketing, particularly as it has been applied to efforts to increase native plant use. In May, the OC collaborated with staff of the Dept. of Game and Inland Fisheries to conduct a forum – Increasing the Use of Virginia Native Plants – Social Marketing, Collaboration and Coordination (summary of event submitted as final product). The results of this forum were shared with a Steering Team of the Virginia Native Plant Marketing Partnership (VNPMP) in August. The OC initiated and continues to coordinate this group in an effort to enhance communication and partnership among members. During this partnership meeting, members prioritized projects on which to focus their collaborative efforts – development of a Virginia Conservation Landscape Certification Program, development of a native plant propagation protocols and manual, and creation of a centralized web-based site with an internal and external interface to support continued collaboration. As a result of VNPMP and conversations among members, the Virginia Nursery and Landscape Association will be highlighting native plants for the first time in the annual 2014 Virginia Growers Guide. The OC and other members of the VNPMP have been asked to participate on a steering team for a Feb 2014 Conservation Landscaping Symposium at Norfolk Botanical Gardens, which is new member of the VNPMP. Virginia CZM was mentioned for its native plant marketing efforts many times during the annual Native Plant Society meeting in September. Interest in Virginia CZM's social marketing within other coastal states continues, and the OC recently consulted with County Extension staff in Washington on a native plant initiative for Puget Sound.

The OC continued to coordinate ongoing implementation of the Plant ES Natives campaign, arranging a presentation of the Flora, to kick off the Fall 2013 phase of the Plant ES Natives Campaign, in partnership with Science on the Shore (Sept). As part of the Plant ES Natives campaign strategy, the OC produced the following multi-media materials: a redesign, update and printing of "Native Plants of Accomack and Northampton;" a series of native plant articles in the Eastern Shore News newspaper from September – December (OC writing and editing with campaign partners); videotaping of three demonstration gardens with local talent (video to be edited with the assistance of campaign partner and shared on campaign website and social media to highlight the availability of the demos and specific native plants); campaign ads on the local ES radio station, WESR (airing between Sept 9 and Nov 9). The OC continued to consult and assist in implementation of the Plant NNK Natives campaign and development of the Plant NoVA Natives campaign, and reviewed a scope of work for a native plant initiative in Hampton Roads. The OC coordinated a meeting (April) with coastal PDCs and campaign partners regarding the connection between the regional campaigns and need to clearly convey these campaigns as a coast-wide, Virginia CZM funded, effort. The Plant ES Natives guide served as a template for publication of a new guide to Northern Neck natives through the Plant NNK Natives campaign – the OC provided content and review of the guide (this guide is a final product under FY10 Task 50). The OC worked with the Plant NoVA Natives campaign planning team on an outline and selection of native plants to highlight in a new guide to Northern Virginia natives. The OC will be designing and compiling this guide to be released in early 2014 and the campaign logo.

As part of the Virginia CZM general multi-media outreach strategy, the OC and VACZM staff began production of Fall 2013-Winter 2014 Virginia Coastal Zone Management magazine. A key outreach message is the program's habitat restoration efforts. This was conveyed through revision and reprinting of the Virginia Oyster Gardening Guide – including updated content and new design – (worked with VACZM Outreach Specialist); a redesign and update of a Virginia Seaside Success factsheet – OC worked with program manager on this project (www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/Virginia_Seaside_Accomplishments_Report_June_2013_w_funding_chart.pdf); design of new ocean management pages for the VACZM website, highlighting Virginia CZM's efforts to engage stakeholders in protection and management of these resources www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/OceanPlanning.aspx and a new page outlining the program's native plant marketing coordination efforts (www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/NativePlants.aspx). Other website work included design of new Virginia Marine Debris webpage, improved navigation to land acquisition pages and expansion of the issue index web page - <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives.aspx> The OC also worked with Town of Cape Charles staff to draft a grant scope for work for new interpretive and acknowledgement signage for the CZM supported Cape Charles Jetty Pier, dune crossovers and beach area. OC is serving on Feb 2014 Working Waterfront Workshop planning committee, and worked with group to design a survey and Constant Contact Save-the-Date. The OC also worked with VACZM staff to create a new Virginia coastal zone travel log for the annual CSO annual which will be posted to the program's website. Exhibit work included design of ocean planning and marine debris panels displayed the Marine Debris Summit and World Oceans Day at VA Aquarium (June).

This task has been extended through December 30, 2013 with remaining fund to be spent on the Fall 2013/Winter 2014 magazine.

Final Products	% Completion	Anticipated Completion Date
Multi-Media Outreach Strategies	100%	
Printed Media	50%	December 30, 2013
Events and Training	100%	
Electronic Media	100%	

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 2	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$11,654.00
Quick Response Grants					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start:	End:	Closeout:		
	10/1/2012	3/31/2014	6/30/2014		

\$11,654 still remains unallocated in Task 2 and this task has been extended. A scope of work will be developed and submitted to NOAA for approval during the next reporting period.

Task: 2.01	Back Bay Restoration Foundation			Current Federal Total:	\$2,760.00
Back Bay Restoration Foundation State of the Bay Conference					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Attached
Closeout	Start:	End:	Closeout:		
	10/1/2012	9/30/2013	12/31/2013		

Back Bay Restoration Foundation (BBRF), Lynnhaven River NOW (LRNow) and the Virginia Coastal Zone Management Program co-hosted the 2013 Virginia Beach Watersheds Forum on March 21, 2013 for 156 attendees comprised of BBRF members, LRNow members, Master Gardeners, Master Naturalists, students, home/land owners, Virginia Beach City officials and staff, representatives from state and federal agencies, and other stakeholders at the Advanced Technology Center in Virginia Beach. The Forum agenda began with a panel presentation "Sea Level Rise in Virginia Beach" with Carl Herschner (VIMS), Ben McFarlane (HRPDC), and Joe Bouchard (Former State Delegate). The Forum agenda then had two break-out sessions for the northern and southern watersheds in Virginia Beach. The Southern Watershed break-out session talks included: "Update on Back Bay Fishery and Bass Stocking" (Chad Boyce, VDGIF), "Using the Past and the Future to Guide Invasive Species Management in Back Bay" (David Bishop, USFWS), and "Current Water Quality Conditions in Back Bay" (Nathan Bowman, DEQ). The Northern Watershed break-out sessions talks included: "Where Does Your Stormwater Fee Go?" (Steve McLaughlin, City of VB), "Living Shorelines" (Joe Scalf, LRNow and Marcia Berman, VIMS), and "Oyster Restoration Update" (Laurie Sorabella, LRNow and Joe Scalf, LRNow). The VB Watersheds Agenda concluded with a panel titled "VB in 2040: Where do our natural resources fit in?" and panelists included Clay Bernick (City of VB), Steve Herbert (Deputy City Manager), and Barry Frankenfield (City of VB).

Forum agendas and forms acknowledged VA CZMP support. Presentations from presenters are available on the BBRF website (<http://www.bbrf.org/annual-events/vb-watersheds-forum/forum-presentation-archive/>). CDs containing PowerPoint presentations of all presentations were provided upon request. BBRF and LRNow staff and volunteers used the feedback form, discussion results and other thoughtful feedback to identify issues and format suggestions that will be used to improve future Forums. Final deliverables are completed including copies of the Forum agenda, program, a completed action plan to assist with BBRF's mission, and analysis of Forum Feedback Forms.

Final Products	% Completion	Anticipated Completion Date
Webpage with presentations	100% ^{9/}	9/25/13
Final report: agenda, program, and feedback	100%	9/25/13
Action Plan	100%	9/25/13

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 3	Dept. of Environmental Quality - Environmental Impact Review	Current Federal Total: \$217,000.00
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:	
	10/1/2012 12/31/2013 3/31/2014	

During the second half of FY 2012, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 145 development projects and management plans for consistency with the Virginia Coastal Zone Management Program (VCP). This represents 90% of the total amount of projects (161) reviewed during this period. Major state projects accounted for 18 projects, 94 were federal actions, and 33 were federally funded projects (predominantly local government projects). The 94 federal projects included 48 federal agency activities, 32 federal licenses and approvals, and 14 projects submitted under the residual category pursuant to the federal consistency regulation (15 CFR 930.31©) (included 9 U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects, 2 USDA Rural Development, 2 National Science Foundation leases (submitted by GSA) and 1 from the U.S. Department of Health and Human Services). All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines. See Section B report for examples.

The OEIR provided informal training on federal consistency requirements of state projects with federal involvement to three senior management staff at the Division of Real Estate Services (DRES) of the Department of General Services (DGS). The DRES responsibilities include, but are not limited to, managing Virginia's real estate portfolio and transactional negotiation support, including leasing, acquisition, disposal, and easements. Included among the state-owned portfolio of land and buildings that DRES oversees are: 400,000 acres of land in over 1,200 locations; 12,000 buildings; and 117 million square feet of space. Additionally, Virginia leases approximately 13 million square feet of rental space in 1500 locations.

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/EnvironmentallImpactReview.aspx> The OEIR webpage is updated weekly.

Final Products	% Completion	Anticipated Completion Date
Federal consistency determinations and certifications responses	100	9-30-13
Consistency outreach effort (one-on-one consultations with agencies)	100	9/30/13 (ongoing)

Task: 4	Dept. of Environmental Quality	Current Federal Total: \$0.00
Water Quality Improvement Fund (WQIF) Match - City of Richmond Wastewater Treatment Plant Nutrient Removal Upgrade		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start: End: Closeout:	
	10/1/2012 9/30/2013 12/31/2013	

Construction of the City of Richmond's wastewater treatment plant upgrade with enhanced nutrient removal technology continues. Construction began in December 2008 and is scheduled for completion by July, 2015. To-date, \$34,224,318 of the \$50,131,031 grant has been paid to the City.

In the period since October 2012, reimbursements totaling \$8,582,916 have been made to the City for this project, which exceeds the \$894,051 in State General Funds needed to provide a match for the Coastal Zone Management Program.

Final Products	% Completion	Anticipated Completion Date
Certificate to Operate – City of Richmond Contract 2	100% <input type="checkbox"/>	
Certificate to Operate – City of Richmond Contract 4 <input type="checkbox"/>	95% <input type="checkbox"/>	Feb. 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 5	Virginia Marine Resources Commission	Current Federal Total: \$160,000.00	
Permit Review & Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report	
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

During the reporting period, VMRC received a total of 1018 joint permit applications. Actions were completed on 1122 projects, some of which were received prior to the reporting period. During the reporting period, 145 compliance inspections were conducted for previously issued permits. Also, 74 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, 147 were approved as proposed, 49 were approved as modified, 4 were denied, 6 are pending, 5 no permit was required, 1 was inactivated, and 28 required compensation either on or off site (12), or through payment of an in lieu fee (16) accounting for 202,409 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 2011	100 %	September 2013
Compile data for entry into database	100 %	September 2013

Task: 6	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total: \$50,000.00	
Habitat Conservation - Locality Liaison			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report	
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

--There were ten presentations given during this period, training 35 individuals from 24 different organizations, including the cities of Hopewell, Fredericksburg, Newport News and Williamsburg, and Gloucester, Henrico, and Suffolk counties. In addition, 3 state agencies 2 federal agencies, 2 PDCs, 2 land trusts and 8 consultants were trained. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the upgraded Natural Heritage Data Explorer (NHDE) website, including the Virginia Conservation Lands Needs Assessment (VCLNA), as well as information on the Wetlands Catalog and the Virginia Ecological Value Assessment (VEVA) portion of Coastal GEMS.

--For 4/01/13 through 9/30/13, 462 projects were reviewed for impacts to natural heritage resources in the coastal zone (39% of the projects reviewed statewide). A request for review of the proposed Lower James River Mitigation Bank was submitted. The bank is within the Pipsico Forest – Eastover Ravines Conservation Site which has a biodiversity ranking of B2 with two globally rare calcareous natural communities represented and the potential to support populations of ephemeral wetland species. A survey was recommended to include identification of all vernal pools, emergent wetlands with ephemeral hydrology and ephemeral wetland breeding amphibians. Additionally, a Small whorled pogonia survey was recommended prior to any timbering, road cutting or other land disturbance.

--84% of the localities, 66% of the Land Trusts and 100% of the PDCs in the coastal zone have Natural Heritage data.

--Locality Assistance: The Locality Liaison provided natural heritage resources information to Spotsylvania County for inclusion in their updated Comprehensive Plan. The Locality Liaison is currently working with the City of Suffolk, Stafford and King and Queen Counties, to provide them with Natural Heritage language and maps for inclusion in their comprehensive plans, implementation plans or updates. The Locality Liaison continues to contact localities to determine schedules for comprehensive plan updates or implementation plan development.

Final Products	% Completion	Anticipated Completion Date
Project Review	100%	September 30, 2013
Locality Assistance Program	100%	September 30, 2013
Improvements to Natural Heritage Data Tools	100%	September 30, 2013
Final Report	100%N	November 15, 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 7	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

Product #1, Outreach Education: CCRM staff tried marketing our regional trainings but found that there wasn't the level of interest that CCRM had anticipated. After consultation with CZM staff, CCRM agreed on substituting a newly developed online training course as part of product #1.

10/31 City of VA Beach Living Shorelines Workshop – 40 participants
 2/25 CCRMP Orientation – 13
 4/15 City of VA Beach Local Wetlands Board Living Shorelines Policy & General Permit Update – 15
 7/11 CCRMP Orientation Gloucester County Planning Commission – 18
 9/05 Stafford County Local Wetland Board Coastal BMP training – 7
 10/3 HRPDC Joint Environmental Committee CCRMP Orientation – 25

CCRM staff prepared the content for and scheduled four additional trainings within the next two months: 10/14 Newport News Comp Plan Guidance, 10/16 Northampton Co CCRMP Orientation, 11/19 West Point LWB Training, and (date pending) Mathews County CCRMP Orientation. In addition, the Wetlands Program created an 11 module on-line course dedicated to shoreline best management practices that was launched in April. CCRM continued to monitor course registration and participation, answer questions about content, troubleshoot technical difficulties, and issue certificates of completion. http://ccrm.vims.edu/education/shoreline_BMP/index.html

Product #2, Technical Advisories & Impact Assessment:
 JPA review & comments = 19
 Erosion control advice (including living shoreline questions) = 12
 Tidal wetland violations = 6
 Impact assessments = 4
 Miscellaneous (wetlands/dune plantings, jurisdictional determinations, mitigation/compensation, regulations, etc) = 31

Product #3, Publications:
 Rivers & Coast, Fall 2013, Vol 8, No. 2 – Use of Guidance to Preserve and Protect Wetlands
<http://ccrm.vims.edu/publications/pubs/rivers&coast/RC913.pdf>
 CCRM e-News April 2013 (workshop announcement)
 CCRM e-News June 2013 (BMP on-line course, training opportunities, living shoreline updates)

Product #4, Permit Database/ Website:
 Website Activity/Hits: Apr – 160, May – 212, Jun – 253, July – 346, Aug – 379, Sept – 335
 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 comments, additional information, photos, and public hearing information please see: <http://ccrm.vims.edu/perms/newpermits.html>.

Final Products	% Completion	Anticipated Completion Date
Product #1 - Outreach Educational Offerings	100	30 Sept 2013
Product #2 - Technical Advisories and Impact Assessments	100	30 Sept 2013
Product #3 - Outreach Publications1	100	30 Sept 2013
Product #4 - Permit Data Base Web Site	100	30 Sept 2013

Task: 8	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2012 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:		
	10/1/2012 12/31/2013 3/31/2014		

A draft report of the 2012 SAV monitoring was submitted to VA CZM. VIMS has received comments for the draft and have modified the report and checked all data based on the appropriate protocols developed in the QA-QC procedure approved by the USEPA. Ground data from numerous surveyors is being completed now. The final report is under assembly and will be completed on time.

2012 SAV data can now be viewed at: <http://web.vims.edu/bio/sav/sav12/index.html> and also on the interactive map: <http://web.vims.edu/bio/sav/maps.html>.

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

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 9	Dept. of Conservation & Recreation	Current Federal Total:	\$27,000.00
Healthy Waters Initiative and VNEMO Program in Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

For the grant reporting period, the Environmental Scientist/Analyst with the Virginia Commonwealth University Center for Environmental Studies in the Department of Life Sciences continued to serve as the Program Manager of the Virginia Healthy Waters Program and the Virginia Coastal Nonpoint Source Pollution Control Program (CNP), Virginia Network of Education of Municipal Officials Program (VNEMO) at the Virginia Department of Conservation and Recreation. The VCU Environmental Analyst/ Program Manager focuses these efforts to expand the implementation of the programs and directs workshops and educational opportunities to local decision makers. Through the VNEMO Program, the Program Manager also directs research and education on innovative stormwater management technologies at the Science Museum of Virginia.

The Environmental Scientist supported the continued growth of the Healthy Waters Program by coordinating directly with the VA Department of Environmental Quality, the USEPA, NOAA, Nature Conservancy and other partners in the refinement of the definition and application of the program. Continued discussions with staff from the DEQ included the Water Division including the Division Director, Office of Ecology and Infrastructure, Office of Water Monitoring and Assessments, and Office of Water Quality Programs; the USEPA Healthy Watersheds Program Manager and the Virginia State Chapter of the Nature Conservancy. During the reporting period, the Healthy Waters Program was physically moved from the Virginia DCR Division of Stormwater to the VDCR Division of Natural Heritage as the program is currently focused on the development of data, identification of valuable natural areas and protection of those resources. The program functions as a land conservation effort based on the identification and protection of critical aquatic habitat. The Program Manager participated in the Chesapeake Bay Program Goal Implementation Team 4 Healthy Watersheds as the Virginia representative and as the VA HWI Program Manager. The Program Manager responded to a solicitation by the USEPA to provide technical assistance to advance the Virginia Healthy Waters Program. The Program Manager responded with a request for the EPA contractors to acquire specific biotic data to inform the development of a statewide modified Index of Biotic Integrity. The USEPA verbally committed to this support, however, in the final negotiations with the USEPA, an effort re-allocation process was implemented that resulted in the USEPAS not providing the promised support. This setback has been significant due to the lack of a statewide comparable database that this effort would have supplied. During this period, the Program Manager met with the VA DEQ Water Division to illustrate a requested overlay of the VAHWI designated waterbodies to the VA 303d Impaired Waters list. The result of such was shown that the VAHWI data when compared to the VA DEQ 303d Aquatic Life use Standard (closest to an aquatic assessment) there was less than 15% of the impaired waters identified as Healthy by the INSTAR Program. Upon further discussions, it was determined there were variables included in the DEQ assessment that would skew the data; removing such concluded there to be less than 10% of the impaired waters as Healthy. In attendance at this meeting were DEQ representatives from the Water Division including the Division Director, Office of Ecology and Infrastructure, Office of Water Monitoring and Assessments, and Office of Water Quality Programs.

The Program Manager continued the management of the +\$2M, NFWF funded, project at the Virginia Science Museum. The Manager shares the overall Project Management role with the Director of Science at the Museum to facilitate full coverage of all aspects of continued project implementation. During the reporting period, the Program Manager directed the research aspects of the project, refining the treatment structures modifying for enhanced performance, and coordinating with outside interests for expanded monitoring research. The Program Manager provided direct TA to a land developer in the implementation of LID to address their stormwater management needs as part of their development proposal. The reporting period also included a detailed field tour of the installed stormwater treatment structures and presentation for the Middle James Roundtable on the economic and ecological benefits of low impact development.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Initiative and VNEMO Program Final Report	90	Nov 15 2013

Task: 10	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$0.00
Eastern Shore Land Conservation			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start: End: Closeout:		
	10/1/2012 3/31/2014 6/30/2014		

The Southern Tip Partners met on September 17th to discuss progress on the habitat restoration projects underway with reprogrammed FY11 land acquisition funds. The meeting included a presentation by The Nature Conservancy on sea level rise and a model they have created to show lands that could be targeted for acquisition that would allow wetlands to migrate inland. Although no specific parcel has yet been identified for possible acquisition using FY12 CZM funds, this tool could be useful. If a willing seller cannot be found and sufficient fund cannot be raised, the SOuthernTip partners may consider requesting permission to reprogram funds toward additional research to better gauge the quality of restored and existing habitats in providing energy to migratory songbirds and understanding the size of the gap between current habitat/energy provision and the amount actually needed by the birds. This would be follow up to initial work done under FY2011 Task 11.01. The Southern Tip partners will meet again on Nov 20-21 to discuss the options further.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 11	Virginia Institute of Marine Science	Current Federal Total: \$180,000.00	
Seaside Restoration			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	4/1/2013	3/31/2014	6/30/2014

Seagrass Restoration and Water Quality Monitoring: Seeds in VIMS seed tanks were removed in July and placed in VIMS holding tanks under appropriate salinity and temperatures. VIMS initial seed counts yielded 12.2 million that were rated as 'good' seeds in August but VIMS noted significant mortality in several seed batches in August and September due to a serious fungal infection VIMS could not control that resulted in a final yield of 8.0 million seeds for distribution. Seeds were broadcast in September into 30 one acre plots in Spider Crab Bay at a seed density of 200,000 seeds per acre for a total of 6 million seeds. Faunal samples were collected in Chincoteague Bay and South Bay in June and September while fishes were sampled in July, August and September.

Dataflow cruises were successfully completed on April 16, May 14, June 12, July 15, August 12, and September 25, 2013. Measurements including salinity, temperature, turbidity, phytoplankton chlorophyll, pH, dissolved oxygen and depth were recorded at approximately 50m intervals along the cruise tracks. The continuous water quality monitoring stations in South Bay and Spider Crab Bay continued to operate for the entire April 1 through September 30, 2013 period. Measurements including salinity, temperature, turbidity, phytoplankton chlorophyll, pH, dissolved oxygen and depth were taken at 15 minute intervals continuously during that period. On April 1, 2013, real time telemetry units were dismantled in order for an upgrade to be performed to the systems. This upgrade was completed, and new telemetry units were installed at the stations on April 12, 2013. Real time data can be observed at <https://stormcentral.waterlog.com/public/vims>.

Scallop Restoration: Quantitative sampling of the wild scallops in the grass bed in South Bay in July, 2013, using diver surveys for large scallops (>15mm) and suction sampling for smaller scallops (<15 mm) resulted in an estimated wild population of approximately 202,000 scallops in the grass bed (173,400 0 – 1 year-olds and 28,600 1 – 2 year-olds). The estimate of new recruits in 2013 (the 0 – 1 year class) is approximately two orders of magnitude lower than the estimated new recruits in 2012 and may be the result of the fewer brood stock deployed in the grass bed during spring 2013 than in the previous year. Two spawns were conducted during the late summer of 2013, each using a mix of three different broodstock sources. The first of these spawns yielded 1.98 million late-stage larvae that were placed into the land-based nursery. Four weeks later, 110,000 juveniles from this group were placed in the field-based nursery where they will be reared until early spring 2014 when they will be transferred to cages in the grass bed for spawning. The second spawn on Sept. 10, 2013 yielded 1.56 million late-stage larvae. Declining water temperatures at this time of the year result in lower growths, making the nursery phase impractical. Thus, all 1.56 million larvae were released directly into the grass bed in South Bay, where owing to lower predation rates in the fall they are expected to experience good survival and contribute to the wild spawning stock in 2014.

Final Products	% Completion	Anticipated Completion Date
Coastal Gems data	0	12-30-2013
Final Report	0	12-30-2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 41	Accomack-Northampton Planning District Commission	Current Federal Total:	\$30,000.00
A-NPDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2012	End: 12/31/2013	Closeout: 3/31/2014

Climate Adaptation Working Group

A-NPDC has held 2 CAWG meetings. The group coordinated the development and promotion of the NOAA Sea Level Rise Viewer and the Nature Conservancy's Coastal Resilience Support Tool. The group developed and sponsored 2 public workshops to educate local citizens and elected officials about impacts from sea level rise and changes to private and federal insurance programs. The group worked to develop a regional science symposium to highlight research in the region.

Coastal Management Trainings

A-NPDC has successfully directed 6 events that reached nearly 352 people representing 114 stakeholder groups. Trainings have incorporated the following: groundwater quality, flooding, waste management/pollution prevention and insurance.

Technical Assistance

A-NPDC coordinated a GIS Users Group to provide training, information, and a forum for data sharing within the region. A-NPDC served on local committees including the Environmental Education Council, Resource Conservation & Development Council, and Watersheds Network, MARCO Ocean Planning Workshop, FEMA FIRM Advisory Committee, Farm Bill Working Group, VA Tourism Plan Advisory Committee, VA Coastal Policy Team & VA Coastal PDC Team. A-NPDC assisted a local NGO with printing of documents for dissemination to raise awareness for recycling & proper solid waste disposal.

Ground Water Committee

A-NPDC held 4 committee meetings and hosted 1 public workshop entitled "Geology of the Shore & How It Influences Our Groundwater." The Committee reviewed and commented on 11 groundwater withdrawal permits. The Committee completed an update to the 20 year-old ESVA Ground Water Supply Protection & Management Plan. The Committee completed a groundwater quality of residential well water within 2 communities in partnership with Randolph-Macon College.

Eastern Shore of Virginia Coastal Change Archive

A-NPDC has established but not populated the Archive. The Archive categories have been defined with input from the CAWG. A-NPDC worked with Chesapeake Commons to develop the online archive mapping application. An extension was requested and granted to allow for ample time for interviews with knowledgeable citizens. A-NPDC developed a partnership with Bloomsburg University to involve students to assist with further solicitation of archive accounts.

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Report	100%	12-31-2013
Coastal Management Training Report	100%	12-31-2013
Technical Assistance Report	100%	12-31-2013
Ground Water Committee Report	100%	12-31-2013
Eastern Shore of Virginia Coastal Change Archive	75%	12-31-2013
Benefits Accrued from Prior CZM Grants Report	100%	12-31-2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 42	Crater Planning District Commission	Current Federal Total:	\$30,000.00
Crater PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

(1) Crater PDC staff processed 16 environmental impact reviews for local, state, and federal projects. (2) Two coastal meetings/training sessions were held during the reporting period (4/5/13 and 6/26/13). Topics of discussion were the Brownfield Redevelopment Program, the latest work of FOLAR, and the Crater PDC Rural Transportation Planning Program. A staff training meeting was also held on 6/3/13. FOLAR and Crater PDC staff toured existing and potential future public access sites. (3) Crater PDC staff coordinated and administered regional reviews of the 2013 Virginia Outdoors Plan Update and the Virginia Coastal Insurance Study. (4) Commission staff participated in several environmental planning efforts pertaining to the Presquile Ecology School, the Richmond Environmental Educators Network, the Beaches to Bluegrass Trail, the North Atlantic Coast Comprehensive Study (NACCS), the Chowan SWCD survey, the use of VAST, the Albemarle-Chowan Watershed, and the Middle James Round Table. (5) Crater PDC staff continued to provide technical support to FOLAR – Friends of the Lower Appomattox River. This included hosting meetings, providing website maintenance, preparing brochures, and preparing and submitting grant proposals. Staff also assisted FOLAR with its 6th Annual Battle or Paddle on 9/28/13. (6) Crater PDC staff updated and reprinted its Appomattox River Interpretive Guide (ARIG) and created an online version of the ARIG: <http://www.craterpdc.org/webmaps/arig/>

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	100%	9/30/13
Coastal Meetings	100%	9/30/13
Coastal Training	100%	9/30/13
FOLAR Assistance	100%	9/30/13
Benefits Accrued From Prior CZM Grants	100%	9/30/13

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 43	Hampton Roads Planning District Commission	Current Federal Total:	\$60,000.00
Hampton Roads Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

Environmental Impact Review. Thirty-nine (39) 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 HRPD Commission, local governing bodies, and to professional and civic organizations. During this period, six (6) entries related to coastal resources management were posted. HRPDC hosted the APA's AICP webinar series and a training session with the U.S. Army Corps of Engineers on planning for sea level rise.

Regional Coordination Process. HRPDC staff facilitated monthly regional advisory committee meetings addressing wetlands, Chesapeake Bay issues, and other coastal and environmental issues. Through these committees, the localities develop regional consensus on state and federal regulatory and legislative issues, coordinate plans addressing these issues, and exchange information on program activities. During this period, five (5) meetings were held of the regional Joint Environment Committee (JEC). Topics covered included regional studies and projects, the Chesapeake Bay Program, living shorelines regulations, and stormwater management. Also, in August, the Joint Environmental Committee (consisting of the Regional Stormwater Management Committee and the Hampton Roads Chesapeake Bay Committee) agreed to dissolve the existing committee structure and adopt new operating guidelines as the Regional Environmental Committee (REC). The REC held its first meeting in September. The total number of regional coordination meetings was six (6).

Regional Technical Studies and Assistance. HRPDC staff completed work on two special projects that were identified as important to achieving larger regional or coastal zone-wide efforts. The first special project consisted of working with the other coastal zone PDCs to gather property data for communities that could be affected by changing insurance industry practices. This data was used to develop a series of maps for the Virginia Association of Counties to educate residents and officials about the potential impacts of these new practices. This project is ongoing, but several maps have been completed. The second was the development of a series of maps showing areas in Hampton Roads localities that allow for working waterfront uses.

Benefits Accrued from Prior CZM Grants. HRPDC staff identified several long-term and recent benefits that continue to aid the Hampton Roads region from previous CZM grants.

Final Products	% Completion	Anticipated Completion Date
Final Report: Hampton Roads TA Program	100%	September 30, 2013
EIA/EIS and Coastal Consistency Review	100%	September 30, 2013
Public Information, Education and Training	100%	September 30, 2013
Regional Coordination Process	100%	September 30, 2013
Regional Technical Studies	100%	September 30, 2013
Benefits Accrued from Prior CZM Grants	100%	September 30, 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
MPPDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2012 12/31/2013 3/31/2014		

Product #1- Coastal Management Support: MPPDC staff continues to provide coastal management support to local government elected officials, chief administrative officers, local planning staff, and local planning commission staff. MPPDC staff has been an information resource on a variety of regional issues including stormwater, groundwater management and shallow water dredging. MPPDC staff provided information to the counties on enrolling in the FEMA's Community rating System program to receive premium discounts for their residents to offset the pending increase in insurance premiums due to the mandated FIRM maps update. MPPDC has researched the issue of hydro fracturing in the middle Peninsula and the coastal and environmental impacts associated with "fracking." MPPDC staff has coordinated with Megan Gallagher Conservation Consulting firm to provide draft comprehensive plan language on oil/gas exploration activity in the Middle Peninsula area to the counties. Most Middle Peninsula counties do not have policies in place to address oil/gas exploration. MPPDC staff received a research request from the Middlesex County Administrator regarding right of way for a possible new boat launch. MPPDC staff researched deeds and plats to determine the public's right to gain access to the site. In May, MPPDC staff also participated in a Dragon Run Kayak Tour. Doug Domenech, Virginia Secretary of Natural Resources attended. MPPDC staff was able to promote awareness of the Dragon Run Special Area Management Plan supported by the Virginia Coastal Zone Management Plan.

Product #2 - Convened Meetings: MPPDC staff convened monthly-quarterly meetings with local government level planners as well as government administrators. Local Government Administrators meetings focused on storm water planning updates, issues counties face with meeting the demands of the mandate updating FIRM maps and ordinances. On September 23rd, MPPDC staff facilitated a meeting between Melissa Hall and Charley Banks of DCR of Virginia Department of Conservation and Recreation and local government planners and administrators to discuss the mandated FIRM map and ordinance change requirements. MPPDC also convened the Local Planners meeting with Middle Peninsula area planners to discuss current land use and planning issues such as the complexities of regulating "oysterplexes" (floating buildings used to support aquaculture businesses) through local land use codes.

Product #3 – Middle Peninsula Chesapeake Bay Public Access Authority (PAA): MPPDC staff convened scheduled meetings of the MPCBBPAA. MPPDC staff met with owner and manager of Crown Point Marina to discuss future management approaches to Perrin Wharf. MPPDC staff has made substantial progress in updating the floodplain insurance information for the Lands Ends structures. Certificates of elevation have been forwarded to VACORP for floodplain insurance quotes. MPPDC staff also attended an Americans with Disabilities workshop and received information on providing more recreational opportunities to those with disabilities. MPPDC is continuing to work on various PAA projects including private property donation to the PAA in several counties in the Middle Peninsula. PAA closed on a 100 acre \$1,423,600 "Lands End" donation in Gloucester County. The PAA has facilitated two additional waterfront private land donations of 5.25 acres and 1.78 acres totaling over \$200,000 in gifted waterfront land. Draft deeds of the gifts have been developed and expect closing in early October of 2013.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Analysis and Policy Support	70	December 31, 2013
Local Planning Coordination	70	December 31, 2013
MP CBPAA Work Plan & Public Waterfront Management	70	December 31, 2013
Benefits accrued from prior CZM grants	70	December 31, 2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 45	Northern Neck Planning District Commission	Current Federal Total:	\$30,000.00
Northern Neck PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start:	End:	Closeout:
	10/1/2012	9/30/2013	12/31/2013

NNPDC staff held a local coordination meeting with Northern Neck County staff on March 20. Updates to the WWF inventory and Technical Assistance Grant were given, as well as training on Stormwater Ordinances by an attorney that was involved with consulting with the State on creating the new stormwater rules. This meeting and training were inadvertently left out of the previous progress report. NNPDC staff hosted the Virginia Coastal Zone PDC meeting on July 22nd, and arranged with a local non-profit, the Friends of the Rappahannock Riverkeeper, to paddle part of a water trail created by NNPDC staff through a previous year's PDC TA grant after the meeting. NNPDC staff held the third local coordination meeting/training session on August 14; topic discussed during the meeting were the VACO Coastal Insurance Study and the FEMA Floodplain Mapping Process. The training was provided by a GIS consultant, Timmons Group, who gave a training session on mobile GIS and field mapping and management of stormwater Best Management Practices. The most interesting aspect of the training was that a majority of field mapping now is done with smartphones instead of traditional GPS units. NNPDC staff held the final local coordination meeting/training session on September 25, where the main topics of discussion were the rural working waterfront coalition workshop in February 2014 and stormwater local program implementation. Training was provided by NNPDC staff on the Division of Natural Heritage's Natural Data Explorer web based interactive mapping application. NNPDC staff noted that registering for this site allows a county to prescreen development applications to see if any rare, endangered or threatened animal or plant species are in the vicinity of the project. NNPDC staff also noted that the mapping application could be used by a county or town staff for mapping purposes, instead of a more costly GIS software application. NNPDC staff completed revising five digital tax maps (map numbers 11, 12, 40, 41,42) for Northumberland County. Northumberland County staff examined the maps after the first revision and corrections were made to create the final revised maps. These maps were then re-inserted into the county wide digital tax map composite. NNPDC staff have completed two additional water trail maps for Westmoreland County (Bonum's Creek, Yecomico River) and two water trail maps for Lancaster County (Greenvale Creek and Corrotoman River). These water trail maps, in addition to those created last grant year, were combined into a countywide water trail map that also shows a long distance water trail down the Potomac River for Westmoreland and the Rappahannock River in Lancaster. NNPDC staff have revised the agricultural GIS data and intersected this data with the county taxmaps to create a list of landowners that have agriculture operations occurring on their land. This agricultural landowner database could be used by the county to notify landowners about the Chesapeake Bay Act requirement to maintain up to date nutrient management plans on agricultural lands in the Chesapeake Bay Resource Management Area. NNPDC staff assisted Westmoreland County with creating Rescue Squad District wall-sized maps for use in their backup E911 dispatch office. Three Rescue District wall maps were created and printed out for use by the County.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	100%	September 30, 2013
Local Planning Coordination and Training	100%	September 30, 2013
Northumberland Five Revised Digital Tax Maps	100%	September 30, 2013
Lancaster County Wide Water Trail Plan	100%	September 30, 2013
Richmond County Agricultural Data Revision Database	100%	September 30, 2013
Westmoreland County Wide Water Trail Plan	100%	September 30, 2013
Benefits accrued from prior VACZM Grants	100%	September 30, 2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 46	Northern Virginia Regional Commission	Current Federal Total:	\$30,000.00
NVRC Coastal Resources Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

Coordination & Training:

During the reporting period, Northern Virginia Regional Commission (NVRC) staff in partnership with the Chesapeake Stormwater Network and the Northern Virginia Soil and Water Conservation District hosted a stormwater retrofitting workshop. Stormwater retrofitting has emerged as one of the solutions to mitigate the impact of un-managed runoff from developed areas as well as to provide better water quality treatment in older stormwater structures, such as detention ponds. The two-day program included a mix of lecture, discussion, small group exercises, and field activities. The focus of this training was on how to locate and prioritize retrofit opportunities in developed areas, through field investigations and concept drawings. The workshop was filled to capacity at 65 participants coming from all NVRC jurisdictions.

<http://www.novaregion.org/index.aspx?NID=1255>

NVRC also hosted a FieldScope presentation by the Alice Ferguson Foundation and National Geographic on the Trash Free Potomac FieldScope and Chesapeake Bay Water Quality Programs. Fieldscope is a tool for local governments and groups to map environmental data collected by citizen scientists. The presentation was attended by 16 participants. <http://www.novaregion.org/index.aspx?nid=409>

NVRC staff also facilitated a meeting between the Friends of Dyke Marsh and the National Park Service. The purpose of the meeting was to evaluate options for invasive plant removal and funding the restoration of Dyke Marsh. The marsh is managed by the National Park Service and is the largest remaining freshwater tidal wetlands left in the northern Virginia area. Due to historic dredging, the marsh is rapidly eroding six to eight feet or 1.5 to 2 acres per year on average.

Special Project – Northern Virginia Clean Water Partners:

During this reporting period, the Northern Virginia Clean Water Partners implemented their annual Only Rain Down The Storm Drain campaign. The partners aired four Public Service Announcements (PSA's) on cable television that illustrated the importance of picking up pet waste, reducing fertilizer application and implementing other general household stormwater pollution reduction measures. From April 1 thru August 20 the ads aired on 12 channels a total of 1530 times. Additionally, a campaign banner ad appeared on the Comcast website. The ads fulfilled the outreach and education requirements of the jurisdictions' MS4 permits. A post-campaign survey was conducted of 500 northern Virginia residents to measure the effectiveness of the campaign. NVRC staff prepared a summary report for the campaign and distributed it to the Partners in September 2013 for inclusion in their annual MS4 reports. <http://www.onlyrain.org/>

EA/EIS/EIR Reviews:

Since April 2013 NVRC staff have reviewed and commented on 13 EIS/EIR requests across the region.

Final Products	% Completion	Anticipated Completion Date
Annual Report – NoVA Coastal Resources TA Program	90	November 1, 2013
Summary of Regional Stormwater Education Campaign	100S	September 1, 2013
Benefits accrued from prior CZM grants	75	November 1, 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

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>	Attached
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

Product #1: Local Government Coordination and Training Program Report

GWRC staff convened several meetings of the regional stormwater technical committee (and local government attorneys) held on: 5/9, 6/13, 8/28, and 9/12. These meetings helped define the direction of consultant and regional staff efforts to support successful local implementation of the State VSMP stormwater management regulations, including drafting of local VSMP ordinances. Moreover, the meetings helped identify issues which may require legislative action to make the VSMP program less burdensome without comprising positive environmental outcomes, as well as defining ways to engage regional stakeholders to inform them of changes coming in local environmental review processes as a result of VSMP implementation. Participation of local attorneys helped ensure that local VSMP ordinances cover all required program elements and recognize potential internal inconsistencies in local code of ordinances resulting from enactment of VSMP ordinance.

GWRC staff attended a quarterly coastal PDC meeting in March and a Coastal Policy team meeting in August. GWRC sponsored a VAST training workshop for local and regional agency officials involved with Chesapeake Bay TMDL watershed implementation plan (WIP) development.

Product #2: Regional Stormwater Management Program Implementation Study

GWRC staff and consultant team provided support to regional VSMP technical and legal teams, providing:

- a legal analysis on local authority to collect various environmental fees,
- a comparative profile of various local and regional fund-raising schemes to finance local and regional VSMP program implementation,
- legal issues analysis and support to local government attorneys drafting local VSMP ordinances
- a draft VSMP ordinance for Caroline County and Development Application and Review Standard Operating Manual (with particular attention to promotion of Low Impact Development Practices).

Product #3: Supplemental Technical Assistance (bonus)

GWRC staff provided Caroline County with digital map (.shp) files of the County's adopted Resource Protection Area (RPA) to be posted on County GIS webpage, and a polygon file of the boundaries of subdivisions, commercial and industrial planned unit developments to help the County monitor development activity for areas under a "common plan of development" that are subject to VSMP requirements, as well as to facilitate the better organization of development plans and project documentation in the County Planning Office. Maps for each locality highlighting the areas of highest regional priority for conservation easement activity to promote conservation and preservation of the region's green infrastructure as defined under previous CZM-supported work. These map overlays were used to define parcels (and land owners) to be targeted in conservation promotion efforts through the Commission's conservation agent, the Northern Virginia Conservation Trust (NVCT).

Final Products	% Completion	Anticipated Completion Date
#1: Coordination & Training	100%	Sept. 30, 2013
#2: Regional Stormwater Management Program Implementation Study	100%S	Sept. 30, 2013
#3: Supplemental Technical Assistance Products	100%	Sept. 30, 2013
#4: Benefits accrued from prior CZM grants	100%	Sept. 30, 2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 48	Richmond Regional Planning District Commission	Current Federal Total: \$30,000.00
Richmond Regional PDC Technical Assistance Program		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start: End: Closeout:	
	10/1/2012 9/30/2013 12/31/2013	

Technical Assistance –RRPDC staff processed 59 environmental and intergovernmental reviews from April 2013 through September 2013; and beginning with the September RRPDC Board report, expanded staff reports as an educational tool for local elected leaders on environmental issues addressed through the review process.

Coordination and Training – RRPDC staff hosted an Environmental TAC meeting on September 18, 2013, first providing an update on the Chesapeake Bay TMDL, reporting requirements, and ongoing Bay model improvements. Localities then discussed the development of or amendments to local stormwater management programs in accordance with State regulations. Common concerns expressed by localities included their challenges with guidance and consistency of interpretation by the Virginia Department of Environmental Quality (DEQ) during local program development, increased construction and development activity, and general confusion over how certain aspects of the local stormwater programs will need to be implemented. A second discussion focused on the review of new MS4 permits for Phase I localities. Chesterfield County is currently in the permit development process with Virginia DEQ. Henrico County expects their new permit to begin development soon and expressed interest in learning from the prior experience of other localities.

Regional Base Layer Update and Maintenance – RRPDC staff continues to maintain the regional existing land use GIS data layer as an integral part of many current projects, including City food policy implementation with RRPDC staff in the role of Richmond’s Food Policy Advisor, development of a small area plan to capitalize on and protect the Virginia Capital Trail in the vicinity of the Route 5 Corridor/Courthouse area in Charles City County, and for a corridor plan for Midlothian Turnpike (Route 60) in the City of Richmond. Regional impervious surface data is also being employed to indicate where there is potential for reducing impervious surface, improving stormwater management, and water quality in the Reedy Creek watershed, in which the corridor is located.

Chesapeake Bay Total Maximum Daily Load Support –The Chesapeake Bay Program has established a Land Use Technical Workgroup to inform the 2017 version of the suite of models that provide input into the Chesapeake Bay TMDL. RRPDC staff has maintained frequent contact with the co-chairs of the workgroup and continues to inform local staffs of developments. RRPDC staff made local staffs aware of the effort by DCR to provide updated data to the Bay Modeling Program to inform the development of and for possible use in the 2017 updated version of the Bay suite of models. One RRPDC locality chose to provide data in response to the request.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance	100%	September 30, 2013
Coordination and Training	100%	September 30, 2013
Regional Base Layer Update	100%	September 30, 2013
Chesapeake Bay TMDL Support	100%	September 30, 2013
Benefits accrued from prior CZM grants	100%	September 30, 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

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:
	1/1/2013	12/31/2013	3/31/2014

This grant officially started on January 1, 2013. During the period from April through September 2013, the Virginia Aquarium Stranding Response Program (VAQS) recorded 531 strandings in Virginia. There were 233 strandings recorded during the same period in 2012.

The VAQS Stranding Team responded to 371 marine mammal strandings in Virginia during this reporting period. One hundred thirty eight (37%) of the strandings were located in Virginia Beach, 41 (11%) in Norfolk and other south-side cities, 82 (22%) were located on the western shores of Chesapeake Bay north of the James River, and 110 (30%) were located on Virginia's Eastern Shore. The cetacean species included 13 common dolphin (*Delphinus delphis*), 338 bottlenose dolphin (*Tursiops truncatus*), 11 harbor porpoise (*Phocoena phocoena*), one pygmy sperm whale (*Kogia breviceps*) and two humpback whale (*Megaptera novaeangliae*). The pinniped species included four harbor seal (*Phoca vitulina*), one harp seal (*Phoca groenlandica*) and one gray seal (*Halichoerus grypus*). The level of marine mammal mortality experienced during this six-month reporting period was the highest in Virginia history, eclipsing even the bottlenose dolphin die-off of 1987. Bottlenose dolphins are also at the center of this unprecedented stranding event that was declared an Unusual Mortality Event (UME) for the mid-Atlantic region in early August. The probable cause of the event is a cetacean morbillivirus that is spreading through the population. The UME was still active at the end of September and expected to have impacts in Virginia into the fall months. A complete summary of the UME will be included in the final project report.

There were 160 sea turtle strandings recorded in Virginia during this reporting period. Of the strandings, 78 (49%) were located in Virginia Beach and Norfolk, 54 (34%) on Virginia's Eastern Shore, and the remainder (28 = 17%) along the western shores of Chesapeake Bay north of the James River. The sea turtle species included 32 Kemp's ridley (*Lepidochelys kempii*), 113 loggerhead (*Caretta caretta*), six leatherback (*Dermochelys coriacea*), four green (*Chelonia mydas*) and five animals that were unidentified to species. There were 31 live sea turtles that stranded during the reporting period and many were rehabilitated and released. A complete summary of live sea turtle recovery, rehabilitation and release will be included in the final project report.

VAQS Staff attended professional meetings and made several formal presentations during this reporting period. There were also educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area and to stranding network cooperators. 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	75%	December 31, 2013
Personnel & Cooperator Training Activities	85%D	December 31, 2013
Public Education & Outreach Activities	90%	December 31, 2013

Task: 50	TBD	Current Federal Total:	\$0.00
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:
	10/1/2012	9/30/2013	12/31/2013

Task 51 - Eastern Shore Water Trails Association Development and Seaside Water Trail Camping Accommodation Implementation Plan, Task 54 - Feasibility Study to Incentivize Living Shoreline's with a Revolving Loan Program and Task 55 - Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition Phase 2 - Virginia Summit have all been contracted. \$97,188 still remains in Task 50 to fund two more proposed projects. 306a documentation for Task 52 - Lavalette Ave - Canoe/Kayak Launch in Norfolk has been submitted to NOAA for SAC release and will be contracted once approved. HRPDC is still working to complete the 306a documentation for Task 53 - Nansemond River Water Access at Constant's Wharf Park in Suffolk.

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 51	Accomack-Northampton Planning District Commission	Current Federal Total:	\$10,000.00
Eastern Shore Water Trails Association Development and Seaside Water Trail Camping Accommodation Implementation Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2012 12/31/2013 3/31/2014		

Eastern Shore Water Trail Association Meetings: A-NPDC invited representatives from an extensive list of regional water trail stakeholders to a kick-off meeting. The meeting's purpose was to coordinate water trail development and plan construction of camping accommodations along the Seaside Water Trail. A-NPDC provided stakeholders with, and facilitated a discussion regarding suggestions contained in the 2008 Seaside Water Trail Camping Platform Feasibility Report. Attendees discussed camping platform types, location, ownership, permits, signage, maintenance responsibilities issues, and the need to prioritize construction projects. Attendees resolved to look into how other trails were set up, recommended additional stakeholders to include in implementing the plan, and suggested mechanisms for public outreach.

Stakeholders reached a consensus to form a membership association and to initially implement two camping platform sites – both land-based – one in Accomack County and the other in Northampton County. The group identified four potential sites to explore, two in each county, in order to select one from each to propose in the implementation plan. Subgroups subsequently met in a series of meetings to discuss structuring the association, scout the four sites, and strategize outreach.

The organization's key objectives are to: promote sustainable tourism and recreation on the Eastern Shore's seaside; develop infrastructure and facilities to accommodate paddlers; educate the public and protect the environment by enhancing citizen appreciation and stewardship through public access; develop a community of paddlers and serve as a resource for paddlers in the community; raise revenue and promote contribution of resources; partner with private and public entities.

In September, A-NPDC's Program Manager for the Camping Accommodation project attended a workshop on Universal Design for Water Access and acquired information resources and ideas to include when implementing the plan.

Stakeholders reconvened in late September to review progress and determine next steps. Attendees agreed to pursue priority land-based camping sites at Indiantown Park in Northampton County and NASA Docks in Accomack County. The group decided to pursue the option of "incubating" the association under auspices of the A-NPDC, structuring it as a 501C3, or as a committee.

Seaside Water Trail Camping Accommodation Implementation Plan: A-NPDC will

- take the group's recommendations to pursue the two priority sites;
- approach and build the association's credibility with other, private, local, state, and federal stakeholders; and
- seek funding to staff and drive the organization's objectives.

Final Products	% Completion	Anticipated Completion Date
Eastern Shore Water Trail Association Meetings	90%	November 2013
Seaside Water Trail Camping Accommodation Implementation Plan	85%D	December 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 54	Middle Peninsula Planning District Commission	Current Federal Total:	\$34,929.00
Feasibility Study to Incentivize Living Shoreline's with a Revolving Loan Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

On April 29, 2011, the Commonwealth state legislature approved legislation directing the Virginia Marine Resource Commission (VMRC), in cooperation with the Department of Conservation and Recreation and with technical assistance from the Virginia Institute of Marine Science (VIMS), to establish and implement a general permit regulation that authorizes and encourages the use of living shorelines as the preferred alternative for stabilizing tidal shorelines in the Commonwealth. VMRC, with assistance from VIMS, is developing a general permit which can expedite the permitting process as an incentive to encourage property owners to select the "preferred alternative" for stabilizing tidal shorelines in the Commonwealth. This project proposed to design a program that encourages and incentivizes the financing of living shoreline construction projects at a lower interest rate with more flexible loan terms than a traditional lending institution is willing to offer.

Product #1- Master Report, builds from product #2,3 and 4 – MPPDC is assembling the Master Report incorporating the findings from Products 2, 3 & 4 to be posted on the MPPDC website – www.mppdc.com

Product #2- Virginia Revolving Loan and Legal Framework: MPPDC initiated discussions with Rick Weeks, DEQ Chief Deputy and Walter Gills, Program Director for the Virginia Clean Water Financing & Assistance Program to discuss if and how application could be made under the Virginia Clean Water Revolving Loan program to fund a living shoreline revolving loan program.

Product #3 National Scoping Report: Staff from the NSGLC, under contract with MPPDC, researched how various programs which authorize revolving loan programs could be used to finance a living shoreline RLF. NSGLC examined 4 federally funded RLFs, 7 state-funded RLFs including 4 Virginia programs, and 2 non-governmental programs. Two programs were identified as having the most promising models. The NSGLC report is being incorporated into the Master Report.

Product #4 Center for Coastal Resource Management Scoping Report: Staff from CCRM, VIMS, under contract with MPPDC, surveyed 430 recent shoreline permit holders to explore why particular permit approaches were chosen and what could have been done to encourage living shoreline projects over the structural solutions chosen. 36% were returned. 48% of those who did not choose a living shoreline installation indicated that a low interest loan would or may have influenced their decision as to the type of structure installed. The CCRM report is being incorporated into the Master Report.

Final Products	% Completion	Anticipated Completion Date
Product #1- Master Report, builds from product #2,3 and 4	100	Sept 30, 2013
Product #2- Virginia Revolving Loan and Legal Framework	100	Sept 30, 2013
Product #3 National Scoping Report:	100	Sept 30, 2013
Product #4 CCRM Scoping Report	100	Sept 30, 2013

Task: 55	Middle Peninsula Planning District Commission	Current Federal Total:	\$32,883.00
Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition Phase 2 - Virginia Summit			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	1/1/2013 3/31/2014 6/30/2014		

Product #1 Title: Virginia Working Waterfront Summit
 Planning for the Virginia Working Waterfront Workshop has continued forward. Multiple workshop planning meetings have been held around the Virginia Coastal Zone to encourage and equalize the travel and work flow. Planning meetings were held on the Eastern Shore at the Anheuser Busch Coastal Research Center Northampton, VA and at the Smithfield Center in Smithfield, VA. Workshop matters discussed included:
 development of Working Waterfront Survey Questionnaire to help inform the workshop agenda; identification of workshop invitees; logistics for holding remote meetings at the Eastern Shore Community college; marketing and advertising strategy development; final save the date card and final survey development. Collaboration partners, including the MPPDC, Northern Neck PDC and the ANHPDC continue to research Working Waterfront compatibility with local zoning to help inform workshop attendees of the importance that zoning plays supporting the continuation of water dependant business. Initial outreach to guest speakers is under way.

Product #2 Title: Summit Summary and Recommendation Report from the Summit
 To be completed after the Summit.

Final Products	% Completion	Anticipated Completion Date
Virginia Working Waterfront Summit	50%	January 2014
Summit Summary and Recommendation Report from the Summit	0%	March 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

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>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

Product #1 Finalize Inventory of Working Waterfronts by 4 Reg. Planning Districts As reported as a milestone in the FY 2011 project, over 500 of the PDC draft inventories and definition reports have been submitted. PDC and subcontractor assisted VIMS where needed with refinement of the 2012 Working Waterfront Inventory database and promoted the inventory as a resource for local government planners, industry officials, and relevant state, federal, and NGO stakeholder agencies. Additionally, the PDCs and consultants held ongoing discussions and provided supplementary information to VIMS regarding working waterfront sites that were deemed of greatest interest for their characteristics that were representative of working waterfronts state-wide. All contractor reports are complete except the HRPDC report which is complete except for the NOAA chart information. HRPDC advises that at the time of this report the federal government shutdown precludes those charts being downloaded.

Product #2 Current Condition Analysis -Evaluation of local dependence upon critical Working Waterfronts. The evaluation of the inventories and discussion with local PDC staff is helping to determine which particular sites may warrant more detailed evaluation in the future. One site was selected in Hampton, Virginia as a pilot for an in depth economic assessment. A meeting was held with the facility owner and agreement for provision of necessary income and expense information was reached. That data evaluation was completed and an initial IMPLAN economic impact modeling was completed and will be provided in the final closeout report.

Essentially all work has been completed and a final report will be provided at the end of the close out period, 11/15/13.

Final Products	% Completion	Anticipated Completion Date
Product 1	98	11/15/13
Product 2	100	11/15/13

Task: 93.01	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$135,000.00
Shoreline Management Planning and Development			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2012 3/31/2014 6/30/2014		

A Shoreline Management Plan (SMP) is a guidance document for local governments that recommends strategies for managing tidal shoreline conditions. Development of the SMP includes data developed as the Shoreline Inventory. Shoreline Evolution Reports provide important management information associated with the change in tidal shoreline position over time. The products to be generated under this grant include:

- Charles City County Shoreline Inventory
- City of Suffolk Shoreline Inventory
- Northampton County Shoreline Evolution Report
- Charles City County Shoreline Evolution Report
- York County Shoreline Management Plan
- City of Suffolk Shoreline Management Plan

The following products have been completed:

- Charles City County Shoreline Inventory: http://ccrm.vims.edu/gis_data_maps/shoreline_inventories/index.html
- City of Suffolk Shoreline Inventory: http://ccrm.vims.edu/gis_data_maps/shoreline_inventories/index.html
- Update of the York County Shoreline Inventory: complete but still to be posted
- Field work for York County and City of Suffolk Shoreline Management Plan
- Northampton County Shoreline Evolution Report

This year, the Shoreline Studies Program adopted a new technique for assessing shoreline change. The new computer program allows for a more accurate assessment of sinuous shorelines typical of tidal creeks throughout the Bay. Learning this program has put the project schedule behind, but the principal investigators are confident the investment in this new program will greatly enhance the accuracy of the data reported in the Shoreline Evolution Reports. The delay in production, however, has resulted in an extension; which has been approved.

Final Products	% Completion	Anticipated Completion Date
Shoreline Inventories	100	n/a
Shoreline Evolution Reports	80%D	December, 2013
Shoreline Management Plans	75%	March, 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2012

**Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?**

Task: 94.01 Hampton Roads Planning District Commission Land & Water Quality Protection in Hampton Roads	Current Federal Total: \$90,000.00
<u>Project status:</u> <u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start: End: Closeout: 10/1/2012 9/30/2013 12/31/2013

Between April 1, 2013 and September 30, 2013, HRPDC staff made significant progress on the deliverables for the second year of this grant project. HRPDC staff made two (2) briefings to local government staff at meetings of the Hampton Roads Joint Environmental Committee. HRPDC staff also met with staff from the two pilot localities (Norfolk and Suffolk) on two occasions for each city. The purpose of these meetings was to provide an opportunity to review project status, discuss the direction of ongoing and future work, and review related city activities.

This project has three deliverables:

- 1) Identification of Coastal Plain Stormwater BMPs
- 2) Implementation of Plan Evaluation Tool
- 3) Modeling of Development Impacts on Water Quality

For the first deliverable, HRPDC staff completed guidance related to stormwater management (SWM) BMPs suited for use in the Coastal Plain. The guidance summarizes state SWM regulations, obstacles to using traditional BMPs in the Coastal Plain, and assesses the suitability of many common BMPs for use in coastal areas. The guidance also demonstrates how developers can use environmental site design to reduce stormwater loads and the cost of stormwater treatment to meet the stormwater regulations.

For the second deliverable, HRPDC staff continued discussions with local staff on the policies and ordinances that should be reviewed and that would also be possible targets for modification. HRPDC staff reviewed these policies and ordinances using a tool, the Center for Watershed Protection's Code and Ordinance Worksheet, which was identified during the previous grant year. Based on this review and discussions with local staff, HRPDC staff developed a set of recommendations for future consideration by local officials.

For the third deliverable, HRPDC staff identified several possible locations for modeling efforts. HRPDC staff worked with local staff to gather and/or create the required GIS data for analyzing these sites. HRPDC staff developed multiple scenarios for each selected site (one each for Norfolk and Suffolk) and assessed how the various alternatives performed in terms of nutrient loads using the Runoff Reduction Method/GIS methodology developed in the previous grant year.

Final Products	% Completion	Anticipated Completion Date
Identification of Coastal Plain Stormwater BMPs	100%	September 30, 2013
Implementation of Plan Evaluation Tool	100%	September 30, 2013
Modeling of Development Impacts on Water Quality	100%	September 30, 2013

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

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: 10/1/2012 12/31/2013 3/31/2014

Product #1: Continuation of the Project Committee: MPPDC Staff convened local government administrators meetings and local planners meetings April-September 2013 to continue the WIP committee (organized in Phase I of this project) discussions on coastal issues of local rural government concern relating to Bay cleanup, new legislation that may cause local action and unintended consequences of the Phase II WIP. Advised the committee of completion of the Ditch ownership report under product #3. This committee will receive and review project work associated with this project.

Product #2: Continuation of Rural Government Assessment of Nutrient Loading: The MPPDC was awarded two grants to address stormwater management for the Region's jurisdictions as recorded in the 2011 Final Project Report submitted to DEQ in Fall 2012. For Phase II of this project, MPPDC staff project managers for this and the stormwater grant projects will coordinate and collaborate between projects for a comprehensive assessment of nutrient loading by our rural local governments. On July 16th, presented a talk to the State Water Commission on strategies related to water reuse and possible legislative action to assist with water reuse.

Product #3: Unintended Consequences of Phase II WIP: Through the project committee meetings with local government administrators and local planners from November 2012 to February 2013, seven ditches parallel and perpendicular to the Virginia Department of Transportation (VDOT) Right-of-Way (ROW) were identified for analysis by a legal consultant to determine the ownership, management and oversight of stormwater ditches and the relationship to the secondary road system overseen by VDOT. The goal is to determine who has what role and responsibilities in the management of stormwater movement in and around the ditches identified for analysis. Received the legal analysis report entitled "MPPDC Report: Roadside and Outfall Drainage Ditches from John Morris, Beal Davidson, Ehterington and Morris PC." Findings include: The duty to keep ditches clear and maintain them will be determined by the circumstances. If the ditch was created by a single landowner or used to channel excessive water from a single landowner, that landowner would be responsible for damages resulting from the ditch. If a party has a drainage easement for the ditch, that party would be responsible for maintaining the ditch. Jenkins v. County of Shenandoah, 246 Va. 467, 436 S.E.2d 607 (1993). Landowners have the ability to fend off water, but there are limits to that ability. As long as the water is going into a natural watercourse and does not improperly damage adjoining or downstream land, there is typically no liability or obligation to do anything further. The difficult issue with most of these ditches is whether there is a duty to keep the water flowing. This is complicated by the fact that, in many of the outfall ditches, the water is not flowing very well at substantial distances from roadside ditches due to the lack of elevation change and a corresponding lack of flow in the natural watercourses. No party is responsible for such lack of flow if it has not taken some action that impedes that flow in the natural watercourse. However, if that flow has been impeded in an unreasonable manner, the party impeding the flow of water would be liable.

Final Products	% Completion	Anticipated Completion Date
Product #1: Continuation of Project Committee	90%	9/30/13
Product #2: Continuation of Rural Government Assessment of Nutrient Loading	90%	9/30/13
Product #3: Unintended Consequences of Phase II WIP	90%	9/30/13

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 95	Virginia Commonwealth University	Current Federal Total:	\$98,000.00
Virginia Ocean Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2012 12/31/2013 3/31/2014		

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

The Environmental Scientist continued participating in the weekly MARCO Board meetings, participated in the MARCO Ocean Planning Action Team (both the Portal and Stakeholder Engagement Subteams), and coordinated with the Surfrider and the Monmouth Project Team to assist in the development of the Recreational Non-consumptive User Survey. The VCU Environmental Scientist/Analyst provided feedback and suggested modifications to improve usability and applicability of the survey. In addition, the VCU Scientist attempted to coordinate with the Monmouth Team on the development of Commercial Fishery users; this task will continue into 2014.

This Task also includes the implementation of the VA Marine Debris Summit and the development of a Draft Marine Debris Plan. During this period, the VCU Environmental Scientist was requested to coordinate with the Longwood University to develop the draft newly titled Marine Debris Reduction Plan. Longwood University has taken the lead in this effort for the Commonwealth. This plan is to be informed by the second day of the Marine Debris Summit covering the categories: Fishing Gear, Single Use Plastics, and Items of Special Concern, using notes that were collected from the two days that will form the basis of the Plan. The Marine Debris Reduction Plan will include the identification of the problem, priority areas, suggested actions, responsible party and timeframe. During this period, the VCU Environmental Scientist coordinated with the USEPA Trash Free Waters Initiative to determine whether this effort would enhance the efforts in Virginia to move forward with a plan. The USEPA coordinated a meeting with the states of VA, MD, DE and PA and Washington DC to determine if a regional effort could be explored to address litter in the environment. This meeting was held at the NOAA offices in Annapolis, MD on Aug 26, 2013.

The Environmental Scientist also coordinated with the Accomack-Northampton Planning District Commission to evaluate and summarize the aerial photography of the recreational users along the Virginia sea-side coast. This effort outside of the Eastern Shore includes in excess of 400 aerial images to be catalogued.

Final Products	% Completion	Anticipated Completion Date
Stakeholder engagement & data for MARCO Portal	75	March, 2014
Communication Tracking Database	50	March, 2014
Draft Debris Plan	50	March, 2014

Year: 2012

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA12NOS4190168
for the period from #Name?

Task: 96	Accomack-Northampton Planning District Commission			Current Federal Total:	\$60,000.00
Seaside SAMP - Recreational & Commercial Fishing Uses on the Seaside and Adjacent Ocean and SAV Restoration Goals					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2012	3/31/2014	6/30/2014		

Updated Recreational Aerial Survey & PGIS Data

A-NPDC built on the Summer 2012 aerial surveys by conducting 6 additional aerial surveys over the VA Atlantic coast from Maryland to North Carolina to reassess recreational uses at times of peak activity. Processing of the Summer 2013 data has begun, and it will be incorporated into the final report.

Commercial Fishing Use PGIS Workshop & Meeting Data

A-NPDC held initial discussions with personnel from other MARCO states who have conducted similar workshops with commercial watermen. A-NPDC has become familiar with these methods and will finalize a methodology for Virginia with VCZM. The project will be promoted to stakeholders during the Virginia Working Waterfronts Summit in February. Individual interviews with watermen and stakeholder groups are planned for Spring 2014.

Final Report on Recreational & Commercial Fishing Uses

No activity has taken place on the Final Report. The report will build on work accomplished during the FY11 Seaside Recreational Use Study & SAV Restoration Goals project and will incorporate all data compiled during the FY12 project.

SAV Restoration Goal & Policies Report

No activity has taken place on the Report. The report will build on work accomplished during the FY11 Seaside Recreational Use Study & SAV Restoration Goals project.

Final Products	% Completion	Anticipated Completion Date
Updated Recreational Aerial Survey & PGIS Data	75%	3/31/2014
Commercial Fishing Use PGIS Workshop & Meeting Data	15%	3/31/2014
Final Report on Recreational & Commercial Fishing Uses	0%	3/31/2014
SAV Restoration Goal & Policies Report	0%	3/31/2014