

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 1.01	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$0.00
Coastal Program Management			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2015 3/31/2017 6/30/2017		

Policy Products: A Coastal Policy Team meeting was held on Feb 9, 2016. Meeting notes are available at <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/DescriptionBoundary/VirginiaCoastalPolicyTeam.aspx>.

RPCs and Amendments: CZM staff met with DEQ management and staff from the William & Mary Coastal Policy Center (CPC) about developing narrative enforceable policies for the Virginia CZM Program. The CPC has already started background research to start this effort and is drafting a scope of work to support further work. FY 14 and 15 funds (\$30,000 each) are available for this work.

Grants Management & Reporting: The Section A, Semiannual Grant Progress Report, Section B Agency Report, and Section C Success Story were compiled and submitted to NOAA on April 30, 2016 for the reporting period of Oct. 1, 2015-Mar. 31, 2016. The CZM Manager and Coastal Planner monitored grant activities through phone calls and visits. The Grants Coordinator and CZM Manager processed extension and budget amendment requests, 306 A documentation approvals, SAC removals, and reprogrammed funds using Grants Online.

FY 2016 CZM Grant Application: The FY 2016 Draft application was submitted to NOAA on March 30, 2016, and the Final application will be submitted on May 6, 2016 via the CAMMP and Grants.gov systems. Five PDC projects totalling \$158,434 were selected for funding through a competitive process. The topics addressed through these grants include public access, native plant campaigns and living shorelines.

Section 309 PSM Grant Application: Virginia was awarded a 2015 Section 309 Project of Special Merit for a project entitled "Implementing Sustainable Shoreline Management in Virginia: Assessing the Need for an Enforceable Policy". The subcontract to VIMS for the project was signed in February, 2016.

Performance Measures: CZM collected Training activities and leveraged funds on the Semiannual Progress Reports.

Ocean Planning: MARCO, RPB & Collaborative Fisheries Planning Documents: The VA CZM Manager continued as Chair of MARCO and led the every other Wednesday conference calls and a November 18-19 Board meeting. She continued as Co-Chair of the RPB's Data Synthesis Work Group overseeing completion of two MARCO contracts (marine life data synthesis and human use data synthesis) and development of a phase 2 marine life data synthesis contract. Held a MARCO workshop on January 29 on data syntheses. Human uses syntheses are now available on the MARCO portal and marine life syntheses will be posted by June 2016. She continued work as "champion" of the RPB's Healthy Ocean Ecosystem actions for the Ocean Plan as well as the Portal actions and presented concepts at the March 22-24 RPB meeting (see: <http://www.boem.gov/MidA-RPB-Meetings/>). Continued to help write and edit the Mid-Atlantic Ocean Action Plan in preparation for a June 2016 public release. She also oversaw completion of the Fisheries Planning for VA's Wind Energy Area project: <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/OceanPlanning/FishingandVirginiaOffshoreWind.aspx>. She also helped plan and participated in the March 7-9 2nd VA Marine Debris Summit.

Outreach Materials: The CZM Program Manager and Coastal Planner planned story ideas, wrote articles, gathered photos and developed layout ideas for a summer 2016 issue of the CZM Magazine. PM served on Ocean Frontiers Film panels on Oct 6 and Feb 23. The Outreach Specialist updated the panels and exhibited at the Winter Wildlife Festival on Jan. 30, 2016 including a hands-on activity for children and adults.

Events Sponsorship: For the October 2015 Birding Festival, the CZM Program Manager and Outreach Specialist prepared the poster, an exhibit and the student artwork prizes. The awards were presented by the PM at the festival's opening reception and the OS managed the photography contest. PM is working with partners to create a new 501c3 to run future festivals.

312 Metrics: 312 Metrics information on Seaside Habitat Restoration (Eelgrass Planted and Bay Scallops Released) and Shoreline Management Plans was collected from the Virginia Institute of Marine Science (VIMS) and submitted through the Section B report to NOAA on October 30, 2015.

Final Products	% Completion	Anticipated Completion Date
Policy Team Products	50%	Sep 30 2016
RPCs and Amendments	25%	Sep 30 2016
Grant Management & Reporting	50%	Sep 30 2016
FY 2016 CZM Grant Applications	80%	May 6 2016
Section 309 PSM Grant Application:	15%	Sep 30 2016
Performance Measures	50%	Sep 30 2016
Ocean Planning Documents	50%	Sep 30 2016
Outreach Materials	50%	Sep 30 2016
Events Sponsorship	25%	Sep 30 2016
312 Metrics	50%	Sep 30 2016

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Task: 1.02	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$0.00
Virginia CZM Program Outreach & Social Marketing					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

General Outreach Coordination – A story list for the next issue of the Virginia Coastal Zone Management magazine has been finalized and the production schedule revised to release on-line on June 28 and in hardcopy on July 8. Prepared April – September 2015 Section C report (www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/Section_C_report_April_2015_September_2015.pdf). Drafted stakeholder and public input section for Section 309 Assessment and Strategy report; updated webpages - public notice, homepage, assessment web page - www.deq.virginia.gov/Programs/CoastalZoneManagement/Funds,Initiatives,Projects/CoastalNeedsAssessment/CoastalNeedsAssessmentFY2016-2020.aspx.

Marine debris reduction outreach strategy -- Coordinated with Katie Register and multi-partner committee to assist in planning the 2nd Virginia Marine Debris Summit held March 7-9, including: agenda development; communications with invitees/attendees and registration (via Constant Contact & VACZM website - www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/MarineDebris/2016VirginiaMarineDebrisSummit.aspx); development and distribution of pre- and post-summit survey; development of a media plan, including drafting and distribution of press release and posts to social media - DEQ facebook, Twitter and website; on-site logistics and materials; and, production of a summary of the Virginia Marine Debris Reduction Plan (downloadable at www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/MarineDebris.aspx).

Balloon debris reduction campaign project -- coordinated with Katie Register and Steve Raabe, OpinionWorks, to plan and conduct three general public focus groups – two groups on December 15, 2015 in Virginia Beach and one in Roanoke on January 20, 2016. (OpinionWorks handled participant recruitment and Virginia and Katie facilitated). Developed and presented (with Katie) on quantitative and qualitative research to date during a NOAA MD Web-ex on December 2, 2015.

Native plant marketing and conservation landscaping efforts -- partnered with Carol Heiser, DGIF, to plan and host a Feb 2016 event in support of the Partnership - Habitat Conservation Forum: Practices that Sustain Virginia's Wildlife and Native Plant Communities – which engaged just under 200 members of the public, and the environmental and business communities. Served on a technical advisory committee tasked with outlining content and resources for curriculum on native plants and natural communities for the new Chesapeake Bay Landscape Professional Certification to be piloted in Hampton Roads in fall 2016. Secured ads in the 2016 Virginia Growers Guide, which highlight the growing demand for natives due to the efforts of the regional native plant campaigns and the importance of restoring and protecting native landscapes for habitat. Continued to consult with partners on implementation and development of regional native plant campaigns, including: worked with GWRC staff and Plant Central Rappahannock Natives regional planning team to distribute public survey and outline research steps and partner assistance required to complete the research prior to strategy development in late summer 2016; assembled regional partners and began coordinating production of a regional native plant guide for the Hampton Roads region; assisted Plant NNK Natives campaign to develop survey to evaluate effectiveness of campaign strategy and inform future direction of the campaign; and secured DGIF funding support to install native plant demo garden at Alexandria Library, and to screen the new national film “Hometown Habitat,” as part of a Plant NOVA Natives PR event in September 2016. Secured article in American Planning Association in Coastal Zone Management Technical Advisory Report highlighting VA CZM’s land conservation efforts.

Other Events and Training -- Participated in TNC Big Share meeting with communication and education partners on the Eastern Shore to share current projects and opportunities to collaborate in 2017 – suggestions included need for more public EE programs such as lectures and hands-on workshops/training re: actions public can take to help raise awareness and appreciation for the Shore’s natural areas – perhaps a tour and new comprehensive guide to public demo sites, e.g. native plant gardens, and natural areas. On Jan 6, assisted Beth Polak in presentation on CZM Program initiatives and projects during overview of Environmental Enhancement Division to DEQ central staff.

Final Products	% Completion	Anticipated Completion Date
Outreach and Social Marketing Strategies	50%	9/30/16
Printed Media – magazine production delayed <input type="checkbox"/>	5%	7/8/16
Events and Training	50%	9/30/16
Electronic Media	50%	9/30/16

Task: 1.03	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R			Current Federal Total:	\$106,956.00
Coastal Management Support					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

Progress on this task is reported under Task 1.01.

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Task: 1.04	Virginia Commonwealth University	Current Federal Total: \$110,130.00	
Coastal Management GIS Support and Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2015	End: 9/30/2016	Closeout: 12/31/2016

VCU CES staff:

-Performed Coastal Gems maintenance, including installing software/security updates and refreshing map services as necessary. From October 1, 2015 to March 31, 2016, Coastal GEMS received 517 visits from 388 unique visitors with an average site visit time of 1 minute and 9 seconds. Coastal GEMS can be accessed online at: www.coastalgems.org.

The Coastal GIS Coordinator:

- Drafted Section 309 past accomplishment summary for Seaside SAMP
- Continued participation in BOEM Collaborative Fisheries Planning for VA's WEA project, including creating map layouts and text describing Virginia Atlantic Coast Recreational Use data for inclusion in the final report, and creating a map of potentially impacted commercial fishing ports for inclusion in BMP 1
- Responded to data requests from Energy Renewal Partners LLC, DCR Planning and Recreation staff, The Nature Conservancy, and graduate students from ODU and UVA
- Performed spatial analysis and created map layouts to illustrate conserved land coverage (comparing upland and wetland coverage) on VA's Eastern Shore for use in Eastern Shore economic study
- Represented VA on Mid Atlantic RPB Tribal Uses IJC Workgroup, including participating in calls and collaborating on white paper prepared by group
- Created map of oyster enforcement area in Mobjack Bay for VMRC Conservation and Replenishment staff
- Discussed limitations of available VA commercial shellfish aquaculture data with VMRC Habitat Management staff and possibility of VMRC providing additional information in order to create a more complete dataset
- Provided VIMS CBNERR staff demo of both CPS audience participation system and eBeam digital whiteboard technology used for participatory mapping
- Drafted BOEM Collaborative Fisheries Planning for VA's WEA project article for CZM Magazine
- Created maps used for 306a clearance from AG and DHR for VIMS 2016 Seaside Restoration work. Completed project review form and compiled attachments required for SHPO clearance and sent to VA DHR for review
- Worked with TNC staff and VITA to troubleshoot firewall issue blocking certain data layers on the MARCO Portal
- Coordinated Coastal VEVA partners to begin process of creating updated Coastal VEVA dataset including meeting with staff from DCR, VCU, VIMS, and DGIF, creating a spreadsheet of Coastal VEVA data inputs, preparing sample Coastal VEVA survey questions for localities, working with DCR DNH staff on proposal for VaNLA update, providing DGIF GIS staff information on PCA/VEVA input data created by former DGIF GIS staff, and participating in CSI Land Conservation Stakeholder Meeting

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Application Maintenance	50%	September 30th, 2016
Coastal GEMS Data Management	50%	September 30th, 2016
Coastal GIS Coordination	50%	September 30th, 2016
Coastal GEMS Training and Outreach	50%	September 30th, 2016
GIS Map Products and Services	50%	September 30th, 2016

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Task: 2	Dept. of Environmental Quality			Current Federal Total:	\$205,700.00
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:		
	10/1/2015	9/30/2016	12/31/2016		

During the period of October 1, 2015 and March 31, 2016, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 70 development projects and management plans for consistency with the Virginia Coastal Zone Management Program (VCP). This represents 58% of the total amount of projects reviewed (118) during this period. Major state projects accounted for 42 projects, 6 were National Environmental Policy Act (NEPA) documents without a federal consistency component, 52 were federal actions, and 18 were federally funded projects. The 52 federal actions included 29 federal agency activities, 23 federal licenses and approvals, and 0 outer continental shelf projects. The 29 federal agency activities included 16 projects submitted under the residual category pursuant to the federal consistency regulation (15 CFR 930.31©), which consisted of U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects and one U. S. Department of Agriculture project. All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines.

On January 28, 2016, DEQ hosted training for representatives of the agencies and programs that administer the enforceable policies of Virginia's Coastal Zone Management Program. Kerry Kehoe of the NOAA Office for Coastal Management conducted the training focusing on the Coastal Zone Management Act.

The OEIR continues to provide informal training on federal consistency requirements to consultants who prepare consistency documents for federal agencies and applicants for federal permits and maintains a website for Federal Consistency Reviews which can be accessed through DEQ's main webpage or found at <http://www.deq.virginia.gov/Programs/EnvironmentalImpactReview.aspx>. The OEIR webpage is updated weekly.

Final Products	% Completion	Anticipated Completion Date
Federal consistency, Sections A and B Semiannual Reports	50	September 30, 2016
Consistency Information/Outreach Efforts	50	September 30, 2016

Task: 3	Dept. of Environmental Quality			Current Federal Total:	\$0.00
Water Quality Improvement Fund (WQIF) Match- City of Hopewell Wastewater Treatment Plant Nutrient Removal Upgrade					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2015	1/31/2017	4/30/2017		

Construction of the City of Hopewell's wastewater treatment plant upgrade with nutrient removal technology continues. The project began in July 2014 and is scheduled for completion by February 2017. To-date, \$32,321,297 of the \$49,129,657 state grant has been paid to the City.

In the period since October 2015, reimbursements totaling \$11,094,818 have been made to the City for this project, which exceeds the \$757,096 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 Hopewell nutrient reduction upgrade	65%	February, 2017

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Task: 4	Virginia Marine Resources Commission	Current Federal Total:	\$160,000.00
Permit Review and Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

During the reporting period, VMRC received a total of 916 joint permit applications. Actions were completed on 891 projects, some of which were received prior to the reporting period. During the reporting period, 104 compliance inspections were conducted for previously issued permits. Also, 34 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 198 projects involving tidal wetlands. Of this total, 152 were approved as proposed, 32 were approved as modified, 1 was denied, 2 are pending, 1 was inactivated, 6 no permit was required, and 27 required compensation either on or off site (11), or through payment of an in lieu fee (16) accounting for 29,071 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 2014	26%	September 2016
Compile data for entry into database	50%	September 2016

Task: 5	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

The Locality Liaison held Natural Heritage Data Explorer training sessions in October and December 2015, February and March 2016 for seven consultants, one planning district commission, four localities, three land trusts and 3 state agencies. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the Virginia ConservationVision, Landscape, the Virginia Wetlands Catalog, Virginia Ecological Value Assessment (VEVA) and hands-on training on the Natural Heritage Data Explorer (NHDE), which includes the Species and Community Database Search, conservation lands information and project review preliminary screening functions.

A new category, the Land Conservation Treasures, was added to the Natural Heritage Data Explorer website as a screening layer. A "Treasure" can be designated for a permanent land protection project, including easement amendments that intersect one of fourteen mapped conservation metrics. Five of the layers do not require review, but the remaining nine require a review to assure specific protection language is contained in the recorded deed.

For October 1, 2015 to March 31, 2016, 446 projects were reviewed for impacts to natural heritage resources in the coastal zone (43% of the projects reviewed statewide). 235 projects were submitted through the Natural Heritage Data Explorer representing 53% of the coastal projects submitted.

In January of 2016, the Locality Liaison provided the City of Newport News with natural heritage information to include in their comprehensive plan update. The information provided included a description of the significant natural heritage resources in the city, a table of all resources and associated conservation sites in the city and a map displaying the conservation sites by biodiversity rank present in Newport News.

In March 2016, the Locality Liaison participated in the City of Norfolk, Flood Risk Management Study – Planning Workshop lead by the USACOE and the City of Norfolk. Participation in three different break-out group; Problems & Opportunities, Objectives & Constraints and Management Measures helped provide concerns and recommendations for consideration in the development of the Flood Risk Management Study.

91% of the localities, 100% of the Planning District Commissions and 68% of the Land Trusts in the coastal zone have Natural Heritage data. The website map (http://www.dcr.virginia.gov/natural_heritage/localitiesmap.shtml) displaying localities with natural heritage data has been updated reflecting the current status.

Final Products	% Completion	Anticipated Completion Date
Project Review	50%	September 30, 2016
Local Assistance Program Presentations	50%	September 30, 2016
Improvements to Natural Heritage Tools	50%	September 30, 2016
Final Report	0%	September 30, 2016

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Task: 6	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2015	End: 9/30/2016	Closeout: 12/31/2016

Product #1, General Technical Guidance:

The Wetlands Program continues to provide general technical guidance to both the general public and regulatory and non-regulatory authorities with regard to tidal shorelines. CCRM provides Joint Permit Application Reviews upon request – this is project specific advice typically involving large or complicated projects. CCRM also routinely writes VIMS Tidal Shorelines Management Recommendations for all Joint Permit Applications involving shoreline erosion control activities advertised on local wetlands boards’ agendas. This advice is the preferred shoreline best management practice derived from the CCRMP’s (for localities where available – see <http://ccrm.vims.edu/ccrmp/index.html>) and/or the applicable CCRM Decision Trees (<http://ccrm.vims.edu/decisiontree/index.html>). Both types of reports are made available on CCRM’s (<http://ccrm.vims.edu/perms/newpermits.html>) and VMRC’s (<https://webapps.mrc.virginia.gov/public/habitat/>) permit websites. In addition, other advisory information requests were responded to (via phone and email) covering a variety of coastal management issues. All technical advice continues to be tracked in a database maintained under this grant.

JPA Reviews/ VIMS Recommendations = 164
Living Shoreline Advice = 14 (includes 3 site visits)
Other Advisory Information Requests (climate change, mitigation, etc.) = 40
Total = 218

Product #2, Outreach Education:

CCRM e-News December 2015 (New CCRMP’s, Aquaculture Portal, Shoreline Contractor Workshop, GCA Scholarship)
CCRM e-News February 2016 (Living Shorelines Loan Program, Workshop Announcement, Marine Debris Summit)

CCRM is in the process of planning their annual Tidal Wetlands Workshop. “Legal Authority, Roles & Responsibilities of Local Wetlands Boards” has been scheduled for May 5th, 2016. The planned program includes presentations by legal experts, panel discussions with local government staff and Local Wetlands Board members, and interactive experiences related to the legal framework of the Tidal Wetlands Act.

Although not included in the grant task, additional outreach education training was completed for CCRMP orientation & Shoreline Best Management Practices. Four CCRM training sessions were held for a total of 135 participants.

Final Products	% Completion	Anticipated Completion Date
Product #1 – Technical Guidance <input type="checkbox"/>	50%	September 30, 2016
Product #2 – Education/ Outreach <input type="checkbox"/>	25%	September 30, 2016

Task: 7	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2015 Submerged Aquatic Vegetation Distribution and Abundance Survey			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2015	End: 12/31/2016	Closeout: 3/31/2017

VIMS successfully completed the acquisition of aerial photographs of the entire bay and tributaries and coastal bays for the 2015 SAV annual survey.

VIMS also successfully completed ortho-rectifying all the photography and mosaicing all the flightlines. VIMS has completed the photointerpretation and analysis and submitted the 2015 SAV final numbers to the VA CZM office on March 30, 2016. Maps completed for the 2015 work can now be viewed at: <http://web.vims.edu/bio/sav/sav15/index.html> and also on the VIMS interactive map: <http://web.vims.edu/bio/sav/maps.html>.

Final Products	% Completion	Anticipated Completion Date
Draft Final Report	50	July, 2015
Final Report	0	Dec., 2015

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Task: 8	Dept. of Conservation & Recreation - Natural Heritage			Current Federal Total:	\$27,000.00
Healthy Waters Program in the Coastal Zone					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

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 at the Virginia Department of Conservation and Recreation, Division of Natural Heritage.

Programmatically, the assessment of program resources and needs has continued to determine gaps and areas of improvement. Data integration, geographic expansion and data re-sampling continue to be the top focal areas of the analysis with immediate attention addressed to integrate existing INSTAR data into the NHD data explorer and the creation of new Element Occurrences (EOs) and Stream Conservation Units (SCUs). Challenges to administering the Program are development of new data to complete the statewide coverage, and the resource and staffing needs to conduct field assessments. The DNH continues to support the Healthy Waters Program by contributing one field biologist for the purpose of being trained in the INSTAR data collection and field identification process. This increased capacity in the program is a critical advancement in the program within the Division of Natural Heritage and permits the collection of data by additional field personnel aside from specific grant related activities. This process provides the Healthy Waters Program the ability to identify and track trends in Healthy Waters. The focus of the upcoming season will be on the Chickahominy River and Shenandoah Valley.

While VDCR DNH has directed staff to include collecting data relevant to the HWP, the data will be in a raw form still requiring the development of models to interpret such information to make relevant to the Program, as a whole. The development of an INSTAR model is typically done on a basin scale to provide for comparable results within a defined area. The collection of raw data will permit an additional cataloging of resources to further inform the development of an INSTAR model when resources are present for the specific region or basin.

During the reporting period, the Program Manager continued to participate in the Chesapeake Bay Management Strategy development process to coordinate the involvement of VA Departments of Conservation and Recreation, Environmental Quality and Forestry. The Chesapeake Bay Program identified three management measure outcomes for the Healthy Waters Goal Implementation Team Four (GIT4) that included: Healthy Waters, Land Use Metrics and Land Use Options Evaluation. The Bay Program requested the development of State two-year workplan strategies to begin during the reporting period, and the VHWP Manager coordinated the VDEQ and VDOF to participate in the process. The Goal Implementation Team for Healthy Watersheds released a limited Request for Proposals for projects, in mid 2015 and the VDCR partnered with the VDOF to serve as an advisor to ensure that their modeled approach would be refined based on Healthy Waters Program data, ground-truthed where feasible and include a definition of ecologically healthy conservation areas.

Through funding from EPA 319, the Program Manager continued to manage the process by which watersheds and waterbodies are identified as Healthy and how the Program communicates outward. The Watershed Integrity Model, used and developed by the Natural Heritage Division and VCU, has been updated and streamlined to improve the utility and integrate new data from the latest sampling.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Program Growth and Admin	10%	Sept, 2016
Healthy Waters Capacity Development	10%	Sept, 2016
Healthy Waters Data Analysis and Evaluation	5%	Sept, 2016

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Task: 9	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$213,000.00
Eastern Shore Land Acquisition					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start:	End:	Closeout:		
	10/1/2015	3/31/2017	6/30/2017		

At the February 23 Southern Tip Partnership meeting two potential land acquisitions were discussed. One is a 124 acre parcel on the Bayside of Accomack County adjacent to Parkers Marsh Natural Area Preserve (NAP). Although it is adjacent to a NAP, the land is quite low-lying. Marsh migration is evident on this property. While it would provide for marsh migration over time, it would eventually be underwater if sea level continues to rise. The 2nd property is 108 acres just east of route 13 in Northampton County. This parcel (known as the Spady property) has been on the Southern Tip Partnership priority acquisition list since the list was first created. It is currently farmland with no water access but is very close to both the Magothy Bay NAP owned by DCR and the Mockhorn Wildlife Management Area owned by DGIF. The property is within the critical migratory songbird habitat protection zone and would provide an excellent opportunity for conversion to native scrub-shrub bird habitat which would also improve water quality. The CZM Program is more interested in the Spady property. The owner was a long time Director of the Citizens for a Better Eastern Shore (a local non-profit group) and very much wants the land to be conserved.

The next meeting of the partnership is scheduled for May 24. We will continue to explore the possibility of using these FY15 Task 9 funds as well as FY16 funds to purchase the property. One complicating factor is that the 2016 Virginia General Assembly is now requiring DCR to submit all land acquisition proposals to them for approval. This would make it difficult or impossible to accomplish the acquisition by March 31, 2017 (given that the GA will not be in session again until January 2017 and won't conclude until end of March 2017) unless this award is extended. Another option may be to see if the grant could be handled by DGIF, which is not subject to this new state legislative requirement.

Task: 10	Virginia Institute of Marine Science			Current Federal Total:	\$161,000.00
Seaside Restoration					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Pending	Start:	End:	Closeout:		
	1/1/2016	3/31/2017	6/30/2017		

During this period 306A documentation was prepared and sent to NOAA for approval. Approval was received and the contract with VIMS has been signed.

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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:	End:	Closeout:
	10/1/2015	9/30/2016	12/31/2016

Climate Adaptation Working Group Newsletters

Newsletters were distributed to over 500 subscribers in November and March including numerous research and news items. Newsletters are currently being developed for May and another is planned for August.

Coastal Management Trainings

A-NPDC has successfully directed 6 events reaching 92 people. Trainings included educational activities regarding ground water, surface water quality planning, coastal hazards, and water access and events.

Technical Assistance

A-NPDC served on local & state committees including the ES Environmental Education Council, Southern Tip Partnership, ES Watersheds Network, VCZM Coastal Policy Team, and Port Tomorrow & Resilience Planning for Water-Dependent Uses Projects.

Ground Water Committee

A-NPDC held 4 Committee meetings, held one public Ground Water Summit in October, and presented at the public Accomack County Planning Commission meeting in December. The Committee reviewed 7 groundwater withdrawal permits, completed reviews of research publications, and reviewed 3 new bills in the General Assembly session. The Committee maintained the Regional Ground Water Plan and 2 County Water Supply Plans. The Committee educated local governments on local susceptibility to saltwater intrusion and pursued the development of programs to monitor the hazard. The Committee explored options for amending its Joint Resolution to include surface water quality, natural hazards, and land stewardship in addition to ground water.

Regional Dredging Needs Assessment Report

A-NPDC began the process of developing the Regional Dredging Needs Assessment Report by meeting with the U.S. Army Corps of Engineers and the region's newly formed Eastern Shore Regional Navigable Waterways Committee at their February meeting. A-NPDC staff presented a draft report outline and comprehensive tables presenting survey data and dates at the ESRNWC March meeting.

Benefits Accrued from Prior CZM Grants Report – No activity to report.

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Newsletter Report	50%	9/30/2015
Coastal Management Training Report	80%	9/30/2015
Technical Assistance Report	50%	9/30/2015
Ground Water Committee Report	50%	9/30/2015
Regional Dredging Needs Assessment Report	40%	9/30/2015
Benefits Accrued from Prior CZM Grants Report	0%	9/30/2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2015

**Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016**

Task: 42	Crater Planning District Commission			Current Federal Total:	\$30,000.00
Crater PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

(1) Crater PDC staff processed 8 environmental impact reviews for local, state, and federal projects. (2) Three coastal meeting/training sessions were held during the reporting period (10/14/15, 1/29/16, 3/24/16). Topics of discussion were the Appomattox River Recreation and Economic Development Plan, the Virginia Outdoors Plan, Virginia DEQ Review of Dominion Energy Projects, VDOT Environmental Review of Transportation Projects, the Virginia HB2 Transportation Planning Program, and the Crater PDC Rural Transportation Planning Program. (3) Crater PDC staff coordinated and administered regional review of the Appomattox River Recreation and Economic Development Plan and the Beaches to Bluegrass Plan. (4) Commission staff participated in several environmental planning efforts pertaining to the James River Heritage Trail, the Beaches to Bluegrass Trail, Chesapeake Bay TMDL, 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 3/26/16 river cleanup day, its scheduled 4/30/16 RiverFest, and its RFP trail planning process. (6) Staff continued work on maintaining and producing paper and internet versions of the Appomattox River Interpretive Guide.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	50%	9/30/16
Coastal Meetings	50%	9/30/16
Coastal Training	50%	9/30/16
FOLAR Assistance	50%	9/30/16
Benefits Accrued From Prior CZM Grants	50%	9/30/16

Task: 43	Hampton Roads Planning District Commission			Current Federal Total:	\$60,000.00
Hampton Roads Coastal Resources Management Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

Environmental Impact Review. Seventeen (17) environmental impact assessments/statements and coastal zone consistency determinations were reviewed. This included coordination of local government input and providing comments to DEQ for inclusion in official state positions.

Public Information and Education. HRPDC staff maintained information on its website and provided regular briefings to local elected officials on the HRPDC Commission, local governing bodies, and to professional and civic organizations. During this period, four (4) entries related to coastal resources management were posted to the HRPDC website. HRPDC hosted three (3) APA/AICP Web Conferences and helped coordinate one (1) Hampton Roads Adaptation Forum.

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, the Regional Environmental Committee (REC) met six (6) times. Topics covered included regional studies and projects, the Virginia Wildlife Action Plan, sea level rise, the Chesapeake Bay Program, nutrient credit trading regulations, living shorelines, and stormwater management. The Sea Level Rise Advisory Committee met two (2) times. Topics included the Dutch Dialogues workshop, the National Disaster Resilience Competition, regional inundation maps, hazard mitigation grants, and state, federal, and academic efforts. The Coastal Resiliency Committee met two (2) times. Topics included land subsidence monitoring and partnerships with federal agencies.

Regional Technical Studies and Assistance. HRPDC staff began working with localities to identify issues of interest for special studies and projects. Topics identified the impact of local stormwater ordinances on meeting Chesapeake Bay TMDL requirements and estimating the economic impacts of sea level rise.

Benefits Accrued from Prior CZM Grants. This deliverable will be completed by the end of the grant.

Final Products	% Completion	Anticipated Completion Date
EIA/EIS and Coastal Consistency Review	50%	September 30, 2016
Public Information, Education, and Training	50%	September 30, 2016
Regional Coordination Process	50%	September 30, 2016
Regional Technical Studies and Special Projects	15%	September 30, 2016
Benefits Accrued from Prior CZM Grants	0%	September 30, 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2015

**Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016**

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

Product #1- Coastal Management Policy and Support: MPPDC staff continues to provide coastal management support to local government elected officials on floodplain management, sea level rise, wetland protection and restoration, and storm water management. MPPDC continues to help shape coastal policy through collaboration with Virginia DEQ Clean Water Financing and Assistance Program staff to implement the 2015 House Bill 1734 Loans for Living Shorelines. On January 14th, the State Water Control Board approved the Draft Guidelines for creating the living shoreline revolving loan program. MPPDC developed and provided DEQ staff with a draft living shoreline program design guidelines and revolving loan program evaluation template for use by other coastal localities. To further incentivize living shoreline use across the Coastal Zone, during the 2016 Virginia General Assembly session, HB 526 Living shorelines; tax exemption from local property taxes was introduced as Middle Peninsula legislation. Governor McAuliffe signed HB526 into law on April 1, 2016.

Product#2 Local Planning Coordination: MPPDC staff convened monthly-quarterly meetings with local government administrators and local level planners. Local Government Administrators meetings (6) included ongoing discussion related to Stormwater management and local implementation; Chesapeake Bay Act compliance review; and general discussion about the future economic vitality of rural coastal Virginia given the increasing State and Federal regulatory framework intended to manage growth and green and blue infrastructure across the rural coastal landscape.

Product #3 Living Shoreline/Native Plant Public Education Display: Consulted with Jim Perry, Professor of Marine Science Biological studies VIMS, Molly Mitchell and Wes Hudson, PHD students VIMS about standing literature for Virginia native coastal plants and trees and the nitrogen update potential. Consulted with Bland Crowder Executive Director for Flora of Virginia Projects. Research continues to identify specific native plants that optimize nitrogen uptake.

Product #4 MP CBPAA Work Plan & Support: MPPDC staff continues to advance forward waterfront land acquisition by using private donations. Finalized donations and initiated new discussion with land owners in Mathews, Gloucester, and Essex County. The PAA also closed on its first full public waterfowl/public use season using the new the online land reservation system (www.virginiacoastalaccess.net). January was the most successful month to date, generating \$500 in user revenue.

Product #5 Benefits Accrued from Prior CZM Grants: MPPDC continues to build on previous 2015 legislative success from House Bill 1734 by shepherding HB 526 Living shorelines; tax exemption into law signed by Governor McAuliffe.

Final Products	% Completion	Anticipated Completion Date
Product #1- Coastal Management Policy and Support:	50%	Sept 30 2016
Product#2 Local Planning Coordination	50%	Sept 30 2016
Product #3 Living Shoreline/Native Plant Public Education Display	25%	Sept 30 2016
Product #4 MP CBPAA Work Plan & Support	50%	Sept 30 2016
Product #5 Benefits Accrued from Prior CZM Grants	50%	Sept 30 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 45	Northern Neck Planning District Commission	Current Federal Total:	\$30,000.00
Northern Neck Planning District Commission Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

NNPDC staff have provided maps supporting the localities, the Northern Neck Land Conservancy, and the Northern Neck Master Gardener's Shoreline Evaluation Program. NNPDC staff held a local coordination meeting on 12-17-15 with staff from Wetlands Watch providing a training session regarding recurrent flooding, sea level rise, and tools available for local government to cope with flooding events. In addition to the county land use administrators, county emergency services staff were invited to the meeting. The FEMA Community Rating System (CRS) was discussed as well as house elevation and yard elevation as means to reduce flooding damage. On 3-17-16, NNPDC staff held a local coordination meeting with a training session conducted by DCR-Shoreline Erosion Advisory Service (SEAS). SEAS staff explained the services they offer for free to citizens and to local wetland boards. SEAS staff coordinated with county staff to present at upcoming county wetland board meetings to introduce himself and the services that SEAS can offer to the local wetland boards. SEAS staff announced the Living Shorelines Loan Program that was recently created and encouraged county staff to consider to start a local living shoreline loan program. Some county staff had been researching the loan program, and while they thought it was a good idea, they believed it would be tough to execute. County staff said the risk of citizens defaulting on their living shoreline loans could cause financial burden on already strained county resources. NNPDC staff contacted Lancaster County GIS staff and obtained the countywide zoning map shapefile, and the countywide tax map grid shapefile in order to set up the 41 large format zoning maps to print out for Lancaster County staff. NNPDC staff have completed the Northumberland County GIS Enhancement grant product; downloading the LIDAR DEM's for Northumberland County creating an ArcGIS map project with adjusted legends for seamless viewing and installing the LIDAR data on Northumberland County's GIS computers. NNPDC staff have contacted Northumberland County staff regarding which waterways to create water trails, and have begun work on the Lower Coan River Water Trail near Lewisetta and the Upper Great Wicomico River Water Trail near Bush Mill Stream Natural Area Preserve. NNPDC staff visited Bush Mill Stream Preserve by land and took 48 digital photos, of which, some will be used in the water trail brochure. NNPDC staff contacted Richmond County to obtain the Richmond Countywide zoning GIS shapefile, the Countywide tax parcel GIS shapefile, and a list of the zoning revision updates. Information on the conditionally zoned parcels in Richmond County are forthcoming. NNPDC staff created a GIS Skills Survey in anticipation of the Westmoreland County GIS Training sessions, and have sent to the Planning Director for staff to complete. NNPDC staff have received the completed surveys and will be tailoring the training sessions to address the skills where staff have the least experience.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50%	September 30, 2016
Local Coordination and Training	50%	September 30, 2016
Lancaster County Zoning Map Update/Printing	15%	September 30, 2016
Northumberland County GIS Enhancement: LIDAR Data	100%	March 31, 2016
Northumberland County Two Water Trail Maps	40%	September 30, 2016
Richmond Co Digital Zoning Map Revision	15%	September 30, 2016
Westmoreland County GIS Training	15%	September 30, 2016
Benefits Accrued from Previous VACZM Grants	0%	September 30, 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 46	Northern Virginia Regional Commission NVRC Coastal Resources Technical Assistance Program	Current Federal Total: \$30,000.00						
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2015</td> <td>9/30/2016</td> <td>12/31/2016</td> </tr> </table>	Start:	End:	Closeout:	10/1/2015	9/30/2016	12/31/2016	
Start:	End:	Closeout:						
10/1/2015	9/30/2016	12/31/2016						

Coordination & Training:

During the reporting period, Northern Virginia Regional Commission (NVRC) staff coordinated and implemented one rain garden workshop held on November 8, 2015 at the Providence Community Center in Vienna, VA. Through the workshop, 40 participants learned how to design, build, landscape, and maintain small-scale residential rain gardens. NVRC has offered these workshops since 2006 and they have proven to be instrumental in providing technical expertise and resources to support the application of stormwater best management practices on private properties. Additionally, the workshops serve to educate local government staff on designing residential rain gardens. Local residents, master gardeners, master naturalists, landscape designers and other interested parties attended the workshop that occurred during this reporting period. www.novaregion.org/raingardens

The Coastal Technical Assistance Program allows NVRC staff to be a part of the Virginia Coastal Policy Team (CPT). One CPT meeting was attended by NVRC during the reporting period on 9/29/2015. The TA Program also allows NVRC to participate in quarterly Coastal PDC Meetings. One meeting was attended by NVRC in Port Royal, VA on 11/12/2015.

Special Project – Northern Virginia Clean Water Partners:

During this reporting period, the Northern Virginia Clean Water Partners initiated their annual Only Rain Down The Storm Drain campaign. The partners decided to continue to air stormwater pollution educational advertisements on cable television. Five 30-second ads that feature rubber duckies were selected to continue to illustrate the importance of picking up pet waste, reducing fertilizer application and implementing other general household stormwater pollution reduction measures. One ad was translated into Spanish and is airing on several Spanish language networks. The campaign will also feature banner ads, two sign-in page takeovers on Xfinity.com and taggable spots. These ads are expected to reach approximately 400,000 Northern Virginia residents and fulfill the outreach and education requirements of the jurisdictions' MS4 permits.

A post-campaign survey will be conducted of 500 northern Virginia residents to measure the effectiveness of the campaign. A summary report for the campaign including the number of people who viewed the ads will be prepared and distributed to the Partners in September 2016 for inclusion in their annual MS4 reports. [Http://www.onlyrain.org/](http://www.onlyrain.org/)

NVRC staff hosted a Clean Water Partner's meeting on March 2, 2015 which included presentations from three members of VA DEQ's stormwater program on Minimum Control Measures 1 and 2 – Outreach and Education Requirements.

EA/EIS/EIR Reviews:

Since October 2014 NVRC staff have reviewed and commented on 2 EIR requests across the region.

Final Products	% Completion	Anticipated Completion Date
Coordination & Training	50%	9/30/2016
Special Project – Northern Virginia Clean Water Partners	50%	9/30/2016
Benefits accrued from prior CZM grants	50%	9/30/2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 47	George Washington Regional Commission	Current Federal Total: \$30,000.00						
George Washington Regional Commission Coastal Zone Management Assistance								
<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>10/1/2015</td> <td>9/30/2016</td> <td>12/31/2016</td> </tr> </table>	Start:	End:	Closeout:	10/1/2015	9/30/2016	12/31/2016	
Start:	End:	Closeout:						
10/1/2015	9/30/2016	12/31/2016						

GWRC has been holding coordination/training meetings for the Regional Stormwater Managers Technical Committee and participating in quarterly Coastal PDC meetings with DEQ-CZM staff. The Regional Stormwater Managers meetings are held for members to discuss topics of interest related to stormwater management and to improve understanding of stormwater regulations and best practices. One Regional Stormwater Managers meeting was held on January 19th, 2016, and one is scheduled for April 19, 2016. Meetings will continue to be held quarterly throughout the remainder of the grant cycle. A quarterly Coastal PDC meeting was held on November 12, 2015. The quarterly Coastal PDC meetings with DEQ-CZM staff will continue throughout the remainder of the grant cycle.

GWRC, utilizing a GIS mapping intern, has been creating a classified land cover data layer that will identify the region's gray and green infrastructure. At this point the intern is cleaning up the datasets and working on updating the maps for a final product. The process should be concluded during the next quarter.

A model environmental ordinance has been drafted for Caroline County which consolidates and strengthens the County's floodplain management (FPM), Erosion and Sediment Control (ESC), Stormwater Management Act (SWMA), and Chesapeake Bay Preservation Act (CBPA) requirements. At this point, Caroline County staff are reviewing the draft ordinance. Once that review process has concluded, GWRC will work on updating the ordinance for a final product.

GWRC brought together partners interested in collaborating on a regional native plant campaign to form a steering committee to identify available resources for a campaign and conduct an assessment to inform development of a campaign strategy. The steering team decided that the primary target of the native plan campaign should be point of sale and they approved a list of native plant providers. A survey has been developed to determine consumer's awareness and perceptions of native plants. An ad with a link to the survey has been created and is posted online and being distributed via email, hard copies, social media, and Soil and Water Conservation District newsletters.

Final Products	% Completion	Anticipated Completion Date
Minutes of coordination meetings, digital copies of training material, program and financial reports	25%	9/30/2016
GIS data layer	75%	7/31/2016
Draft model environmental ordinance	60%	9/30/2016
Report Outlining attendance & results of steering/planning team meetings and assessment work accomplished and draft campaign strategy	50%	9/30/2016
Benefits Accrued from Prior CZM Grants	50%	9/30/2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,000.00
Richmond Regional Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2015	9/30/2016	12/31/2016

Technical Assistance Report – RRPDC staff processed 21 environmental reviews and 12 intergovernmental reviews during the reporting period.

Coordination & Training Report – On December 8, 2015, RRPDC staff hosted an Environmental Technical Advisory Committee (TAC) meeting. RRPDC staff provided updates on a few items of interest including items related to the Chesapeake Bay TMDL and local environmental news stories. City of Richmond staff provided an update about RVA H20, the City's integrated permit planning process. The meeting concluded with a round robin discussion focusing on local program updates and the High Watermark Program slated for implementation in the City of Richmond. RRPDC staff have the next Environmental TAC meeting planned for April 7. Agenda items included: planning an Illicit Discharge Detection & Elimination workshop, coordinating estimates and education related to the Chesapeake Bay TMDL, an updated from the City of Richmond about the RVA H20 process, and a discussion about local programs and bills during the General Assembly session.

Report on Local Implementation Advocacy – RRPDC staff continues to work with Groundwork RVA to create and implement programs and projects that educate youth about water quality, green infrastructure and the environment and improve urban neighborhoods. Projects range from youth educational programming to greenway planning and development, urban agriculture on vacant land, outdoor classrooms and pocket parks on vacant land.

Report on Green Infrastructure Analysis – RRPDC staff has outlined analysis to occur. Mapping and analysis will be performed in the latter half of the grant year.

Benefits Accrued – RRPDC staff keeps a log of actions, projects, events, etc that can be included in this report. Updates to the log are made throughout the year and will be used to write the final report.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance Report	50%	September 30, 2016
Coordination and Training Report	45%	September 30, 2016
Report on Local Implementation Advocacy	50%	September 30, 2016
Report on Green Infrastructure Analysis	10%	September 30, 2016
Benefits Accrued	50%	September 30, 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 49	Virginia Aquarium and Marine Science Center Foundation	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:		
	1/1/2016 12/31/2016 3/31/2017		

This grant officially started on January 1, 2016. During the period from January through March 2016, the Virginia Aquarium Stranding Response Program (VAQS) recorded 24 strandings in Virginia. There were 18 strandings recorded during the same period in 2015.

The VAQS Stranding Team responded to 10 marine mammal strandings in Virginia during this reporting period; eight cetaceans and two pinnipeds. Seven (70%) of the strandings were located in Virginia Beach and three (30%) were located on Virginia's Eastern Shore. The cetacean species included five bottlenose dolphin (*Tursiops truncatus*), one harbor porpoise (*Phocoena phocoena*) and two humpback whale (*Megaptera novaeangliae*). There were two pinniped species, one harbor seal (*Phoca vitulina*) and one harp seal (*Pagophilus groenlandicus*). There were two live stranding events during this reporting period. In January, a humpback whale was reported entangled in gillnet near the shipping channels off Cape Henry. A disentanglement team attached marker buoys and a telemetry buoy to the animal as night fell. Upon returning to the entanglement location the following day, the VAQS team recovered the buoys and a long section of line from the fishing gear, but the whale had apparently freed itself at some point and was not observed again. Also in January, a live bottlenose dolphin stranded near Camp Pendleton in Virginia Beach. Before VAQS staff arrived at the stranding site, members of the general public pushed the animal back into the water on three different occasions. This dolphin was never observed by VAQS staff and its ultimate disposition is unknown. In addition to strandings, the winter season was also active for large whales and several individuals were identified by VAQS staff in the coastal waters off Virginia Beach.

There were 14 sea turtle strandings recorded in Virginia during this reporting period, compared with six during the same period in 2015. The sea turtle species included three loggerhead (*Caretta caretta*), six Kemp's ridley (*Lepidochelys kempii*) and five green (*Chelonia mydas*). Ten (71%) of the stranded turtles were located on the Eastern Shore, three (22%) in Virginia Beach, and one (7%) in Portsmouth. Nine of the sea turtles were alive when they stranded. The probable cause of stranding for 10 of the turtles was cold-stunning. There were 21 sea turtles in rehabilitation at the end of the study period.

VAQS Staff attended professional meetings and workshops and made several formal presentations during this reporting period. There were also educational outreach presentations by Stranding Team members to groups in the Hampton Roads area. Grant funded VAQS staff worked more than 500 hours and Stranding Team volunteers contributed more than 4,000 hours to the stranding response program during this reporting period. A detailed list of all trainings, presentations and publications will be included in the final report.

Final Products	% Completion	Anticipated Completion Date
Stranding Response Data Sharing and Reporting	25%	December 31, 2016
Personnel and Cooperator Training Activities	15%	December 31, 2016
Public Education and Outreach Activities	20%	December 31, 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2015

**Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016**

Task: 50	George Washington Regional Commission			Current Federal Total:	\$65,000.00
Port Royal Water Trail, Pier Extension and Public Access					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

The Friends Group began work on the Water Trail in October 2015 with a boat trip on the Rappahannock River to determine the exact path of the water trail. Two photographers were in attendance to take pictures of the various points of interest that could be used on the trail map, on the kiosk and/or on the water trail portage sign.

A steering committee was convened to go over the project plan and to monitor the project activities. The committee is made up of two Port Royal Friends Volunteers, a Volunteer who lives next to the Styers/Bishop tract, the Friends Group President, and a member from the Rappahannock River Valley National Wildlife Refuge.

The Steering Committee approved the logo for the Water Trail sign and sent it to a graphic artist who did a mock-up of the design for the group to approve. He also offered to make the sign and the group is waiting for a quote from him for the work.

A group of the Port Royal Friends volunteers along with members from the Refuge staff met to walk the trail and determine the placement of the observation decks. It was determined that one of the original locations was so high up and already offered a panoramic view of the river that it would not need a deck. Instead the group decided that this would be the perfect place to put one of the benches. Both decks will be located along Roy's run which offers views of the wetlands area, beaver dams, and waterfowl. Both decks are only about 9 feet from the trail and with very little height they will offer a full view of the area so the cost for the decks is greatly reduced.

Archeologists from U.S. Fish and Wildlife have visited the marked sights and will give the final approval for the building sites. Marstel Day is a local company that performs volunteer work on the Refuge every year on Earth Day. They have committed to building the observation decks with the help of the Friends Group volunteers who will do the measuring, sawing, and oversight on the project. The Refuge had some extra monies to spend at the end of their fiscal year so they purchased the building materials for the decks. Pending approval, the target date for this activity is April 15th.

In regards to the Port Royal Pier Extension, this work was completed in January 2016.

Final Products	% Completion	Anticipated Completion Date
Port Royal Water Trail Brochure Design and Printing	0%	5/31/2016
Port Royal Trail Signage	30%	5/31/2016
Construction of 2 Elevated Observation Decks and 3 Resting Benches	0%	5/31/2016
96 Foot Extension of Port Royal Pier	100%	

Task: 51	Hampton Roads Planning District Commission			Current Federal Total:	\$20,000.00
Carrollton Nike Park Canoe/Kayak Launch					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

The HRPDC staff has worked with Isle of Wight County staff to finalize 306a documentation, acquire necessary permits, and finalize design documents and contracts.

Final Products	% Completion	Anticipated Completion Date
Construction of a Canoe/Kayak Launch	0%	September 30, 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2015

**Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016**

Task: 52	Hampton Roads Planning District Commission			Current Federal Total:	\$20,000.00
Lavalette Ave. - Canoe/Kayak Launch and Fishing Dock					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

The HRPDC staff has worked with City of Norfolk staff to finalize 306a documentation, acquire necessary permits, and finalize design documents and contracts.

Final Products	% Completion	Anticipated Completion Date
Gangway, Floating Fishing/Crabbing Dock, and Canoe/Kayak Launch	0%	September 30, 2016
Demolition of Existing Dilapidated Dock	0%	September 30, 2016
Upland Shoreline Restoration and Signage	0%	September 30, 2016

Task: 53	Middle Peninsula Planning District Commission			Current Federal Total:	\$40,000.00
Middle Peninsula Public Access Master Plan					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

Product #1: Research & Inventory Current Locality Public Access Policies – MPPDC Staff researched comprehensive plans, ordinances, and land use policies to compile an inventory of current public access policies across the Middle Peninsula. This information will be integrated into the Regional Public Access Master Plan. In addition, MPPDC staff developed a memorandum of understanding with Middlesex County to explore how to inventory and assess local public access sites and how to best align local policies with the regional goals and objectives being implemented by the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA). Middlesex County will receive four (4) products including a public access survey, a site assessment, policy inventory, and a detailed assessment of public access sites selected by Middlesex County. The Middlesex County Public Access Survey was developed, opened through Survey Monkey on January 4, 2016 and closed April 4, 2016. There were a total of 102 responses. Also Dave Kretz, Middlesex County Planner, has completed research at the courthouse on the parcels that the state and county control. Dave will continue his research on access sites and meet with Joyce McGowan, Virginia Department of Transportation (VDOT) Saluda Residency Administrator, to obtain access to access site information in VDOT files.

Product #2: Organize policies, tools and regional case studies – MPPDC staff has reviewed the tools that the MPCBPAA have used to manage their 1,000 acres of public access sites across the region. The tools utilized by the MPCBPAA include land management plans, harbor management plans, protocol and guidelines, policy development, and education and outreach. MPPDC staff also made note of the other management techniques that have been explored by the PAA including a Tidal Wetland Bank and commercial workboat moorage at VDOT wharfs, pier docks, and landings. MPPDC staff are currently organizing case studies for each management tool being utilized.

Product #3: Middle Peninsula Public Access Master Plan – MPPDC staff has reviewed public access master plans from other regions in the nation which helps to provide a direction for the Middle Peninsula regional Plan. MPPDC staff also reviewed previous work on the development of a public access plan for the region in 2011. This provides an understanding of the information gaps that need to be filled through this project.

Final Products	% Completion	Anticipated Completion Date
Research & Inventory Current Locality Public Access Policies	80%	May 2016
Organize policies, tools and regional case studies	80%	May 2016
Middle Peninsula Public Access Master Plan	30%	September 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 54	Middle Peninsula Planning District Commission	Current Federal Total:	\$14,792.00
Local Government Planning Options to Address the Impacts of Flooding and Sea Level Rise in Coastal Communities			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2015	End: 9/30/2016	Closeout: 12/31/2016

Declaration of a Need for Local Public Policy Discussion MPPDC staff obtained a declaration of need from Mathews Planning Commission for information and assistance in understanding the options available to local government in addressing recurrent flooding in high risk areas. MPPDC and Mathews County signed a letter of engagement to commence the study proposed by MPPDC which includes a meeting schedule and regular coordination with Mathews County staff and the Mathews County Planning Commission.

Planning Techniques Commonly Used in Land and Natural Resource Protection MPPDC staff researched and compiled data for a comprehensive toolkit outlining the various planning, regulatory and financial tools local governments may employ to manage development in high risk areas. MPPDC staff partnered with the College of William and Mary Law Clinic to provide information on specific planning options available and how those options can be altered to meet Mathews County's needs and goals. A presentation on the Law Clinic findings was presented to Mathews County Planning Commission on January 19th. MPPDC staff drafted and distributed a survey to the Mathews County Planning Commission to help understand the Planning Commission's current position on the issue and various approaches the Commission is willing to consider in their efforts. MPPDC staff attended a sea level rise adaptation strategies workshop hosted by Old Dominion University on October 30th. The workshop discussed planning practices and strategies being implemented in other cities in and outside the US to address flooding and sea level rise.

A Mathews County Policy Analysis MPPDC staff reviewed Mathews County Comprehensive Plan and identified existing objectives, methods and strategies being considered to address the recurrent flooding issue. MPPDC staff initiated a review of the Mathews County Zoning Ordinance for existing planning options currently in place to address recurrent flooding issues.

The Use of Land Donations for Property Owner Assistance in High Risk Areas MPPDC staff researched and compiled tax incentives, land acquisition tools and other incentive based tools that may be used by local governments to assist property owners in high risk areas. These options are a part of the toolkit.

Final Products	% Completion	Anticipated Completion Date
Product #1 Declaration of a Need for Local Public Policy Discussion	100	September 30, 2016
Product #2 Planning Techniques Commonly Used in Land and Natural Resource Protection	75	September 30, 2016
Product #3 Mathews County Policy Analysis	50	September 30, 2016
Product #4 The Use of Land Donations for Property Owner Assistance in High Risk Areas	25	September 30, 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 55	Northern Neck Planning District Commission			Current Federal Total:	\$10,208.00
Revision of the Chesapeake Bay and Northern Neck Guide to Rural Living Book and Northern Neck Environmental Education Regional Co					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2015	9/30/2016	12/31/2016		

NNPDC staff coordinated with staff from the Northern Neck Environmental Stewardship Consortium on planning meetings and the strategies to consider to gather information for the creation of the nnkgreen.org website. NNPDC staff attended the November 16, 2015 meeting of the Northern Neck Environmental Stewardship Consortium. The group had not met for over nine months, so the first order of business was to update members on work that each individual organization had accomplished. Once all organizations finished their updates, a chart was passed around that listed all of the organizations that have been represented at one time or another, and the primary contact person information was asked to be checked and updated. Northern Neck Environmental Stewardship Consortium staff asked that only one person be designated as the primary contact so as to simplify communication with the organization and Consortium. NNPDC staff noted that the nnkgreen.org website domain had been reserved by the NNPDC. NNPDC staff relayed that structure of the nnkgreen.org website would be dependent on content received from the member organizations. That being said, NNPDC staff noted that most organizations dealt with residential environmental issues, and some subjects, such as forest management and septic system maintenance might not be covered by member organizations. NNPDC staff agreed to create content on septic system care and maintenance, and contact local Virginia Department of Forestry staff regarding information on forest management. NNPDC staff noted that the nnkgreen.org website will be modeled after the askhrgreen.org website in Hampton Roads, but that it will be less ambitious than that website. The askhrgreen.org website was created by a professional marketing consultant, and has a large budget to fund the website. However, the nnkgreen.org website will try to address similar issues. NNPDC staff coordinated with staff from the Northern Neck Environmental Stewardship Consortium on January 19, 2016 to plan for the next Consortium meeting. The organizational information template was discussed and refined and meeting logistics were discussed. NNPDC staff attended the February 8, 2016 meeting of the Northern Neck Environmental Stewardship Consortium. The organization informational template was discussed, including adding the organization's mission statement, the area organization services, the organization's digital logo, and any publications that would be available to be placed on the nnkgreen.org website. Members wanted to know more about the structure of the website, and NNPDC staff noted that it depends on the content received. NNPDC staff noted that the NNPDC staff with website creation experience created the NNPDC website, the Northern Neck Rideshare website and the Northern Neck Economic Development website; so he has extensive experience creating websites. The next meeting of the Northern Neck Environmental Stewardship Consortium will be April 26, 2016, where the calendar component of the nnkgreen.org website will be discussed. NNPDC staff examined the Northern Neck Guide to Rural Living and noted that the software the book was in is not supported, so the new revision will copy the Guide into a new publishing software program.

Final Products	% Completion	Anticipated Completion Date
Revision-Northern Neck and Chesapeake Bay: A Regional Guide to Rural Living book	10%	September 30, 2016
Northern Neck Environmental Education Website: www.northernneckgreen.org	25%	September 30, 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 92	Middle Peninsula Planning District Commission	Current Federal Total:	\$50,000.00
Virginia Working Waterfronts Master Plan and 2nd Virginia Working Waterfront Summit			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2015 3/31/2017 6/30/2017		

Product #1: Working Waterfront Executive Committee Initial Report - On December 16, 2015, MPPDC staff hosted a meeting at the Virginia Institute of Marine Science (VIMS) regarding the Virginia Working Waterfront Master Plan and 2nd Virginia Working Waterfront Summit. The Working Waterfront Executive Committee (ie. Staff from the Northern Neck, Middle Peninsula, Hampton Roads and Accomack-Northampton Planning District Commissions, the Virginia Coastal Zone Management Program, the Virginia Coastal Policy Center (VCPC), the Clean Marinas Program, and VIMS Marine Advisory Services), reviewed the project deliverables. More specifically, the group discussed the Virginia Working Waterfront Master Plan and the components needed to accomplish this. To start, MPPDC staff presented a template for PDC chapters for the Master Plan. With some discussion on the chapter content and the addition of Coastal Snapshots, a timeline for this project was created. PDC Chapters would be due at the end of March and then sent to Neal Barber, Community Futures, for review and integration into the Master Plan. The 2nd Virginia Working Waterfront Summit was also discussed (Please see Product #5 for details).

Product #2: State Wide Response Concerning Working Waterfronts – Don McCann with the Marine Advisory Services attended the meeting on December 16, 2015. Based on discussions with the team he agreed to write a chapter for the Virginia Working Waterfront Master Plan that describes the State of the Commonwealth with regards to Working Waterfronts. This chapter was completed and submitted to MPPDC staff for integration into the final Virginia Working Waterfront Plan.

Product #3: Assembly of the Virginia WWF Master Plan – MPPDC staff developed a letter of engagement for Neal Barber to organize the plan. To-date chapters from the MPPDC, NNPDC and Don McCann have been received and sent to Neal Barber. MPPDC staff is working with ANPDC and HRPDC to obtain their chapters.

Product #4: Design of a Draft Working Waterfront Resolution – MPPDC staff will work on this in April 2016 and have a working waterfront resolution completed for May when PDCs take the completed Virginia Working Waterfront Master Plan to their Commissions and participating localities.

Product #5: Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition Summit #2 – At the December 16, 2015 meeting of Working Waterfront Executive Committee, the 2nd Summit was discussed. Mr. Roy Hoagland, Director of the Virginia Coastal Policy Center, suggested that this effort be integrated with the Virginia Coastal Policy Center (VCPC) annual conference. Half of the VCPC's summit could be dedicated to Working Waterfronts, with the other half on other items (e.g. adaptation of historic VA coastal cultural and economic activities). The VCPC is still in the planning process for this conference and will continue to keep MPPDC staff involved in the process. However it's important to note that the annual conference is generally held the first week of December. The Working Waterfront Executive Committee also discussed the audience for the conference. As the goal of this Master Plan is to create enforceable policy, the Committee agreed that the audience for this summit should be anyone interested in attending (i.e. marina operators, working watermen, local government staff, local elected officials, marine associations, Representatives, etc.), but there should be a focus on state and local elected officials. The Committee also mentioned that this summit is an opportunity for the general public to become educated about this topic and then carry this message (i.e. the importance of preserving working waterfronts) to elected officials.

Final Products	% Completion	Anticipated Completion Date
Working Waterfront Executive Committee Initial Report	50%	December 2016
State Wide Response Concerning Working Waterfronts	90%	April 2016
Assembly of the Virginia WWF Master Plan	20%	April 2016
Design of a Draft Working Waterfront Resolution	0%	May 2016
Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition Summit #2	50%	December 2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 93	Virginia Institute of Marine Science	Current Federal Total: \$135,000.00						
Shoreline Management Planning								
<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>10/1/2015</td> <td>9/30/2016</td> <td>12/31/2016</td> </tr> </table>	Start:	End:	Closeout:	10/1/2015	9/30/2016	12/31/2016	
Start:	End:	Closeout:						
10/1/2015	9/30/2016	12/31/2016						

This project develops Shoreline Inventories, Shoreline Evolution Reports, and Shoreline Management Plans in an effort to provide guidance on policy implementation and enhanced shoreline best practices for local governments in the coastal zone of Virginia. To date, the following progress has been made toward completion of 3 Shoreline Evolution Reports (Norfolk, Chesapeake, and Prince George), 2 Shoreline Inventories (Accomack, Prince George), and 2 Shoreline Management Plans (Gloucester and Prince George).

Development of the Shoreline Evolution Reports are underway. Over the past 6 months, photos for historic shoreline change analysis have been rectified in Norfolk and Chesapeake cities and the shorelines for those localities have been digitized. They are now undergoing QA/QC, and map plates are being generated. In Prince George County, photo rectification is underway.

Shoreline Inventories for Prince George and Accomack County are underway. Development of the digital shoreline and the boundaries of the tidal marshes are complete for Prince George County. The digital shoreline for Accomack County is complete and the marsh digitization is in progress. Using heads up digitizing techniques and high resolution imagery, digitizing of shoreline structures and land use/land cover for Accomack County has commenced.

Background locality specific information that encompasses the Shoreline Management Plans is underway. Field work is scheduled for May.

Final Products	% Completion	Anticipated Completion Date
Shoreline Evolution Reports	60%	September, 2016
Shoreline Inventories	35%	September, 2016
Shoreline Management Plans	25%	September, 2016

Task: 94.01	Hampton Roads Planning District Commission	Current Federal Total: \$40,000.00						
Integrating Coastal Resilience into Local Plans, Policies, and Ordinances								
<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>3/1/2016</td> <td>3/31/2017</td> <td>6/30/2017</td> </tr> </table>	Start:	End:	Closeout:	3/1/2016	3/31/2017	6/30/2017	
Start:	End:	Closeout:						
3/1/2016	3/31/2017	6/30/2017						

The contract for this grant was signed and mailed to the grantee on April 27, 2016. No progress has been made on this grant. It was originally awarded to HRPDC to address TMDL issues, however, concerns were raised over the need for the project given pending action by the General Assembly. Based on a recommendation from the Coastal Policy Team, and after NOAA approval, the funds were reprogrammed to address coastal resilience issues that are important for the Hampton Roads region and that were identified as priorities in Virginia's 2016-2020 Section 309 Coastal Hazards Strategy.

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 94.02 Middle Peninsula Planning District Commission Mathews County Ditch Mapping and Database	Current Federal Total: \$60,524.00	
<u>Project status:</u> Open	<u>Current approved</u> Start: 10/1/2015 End: 9/30/2016 Closeout: 12/31/2016	<u>Final deliverable(s) status:</u> Project Period Open

Deliverable 1: MPPDC staff continues to advance forward a county driven multiyear project working collaboratively with the Mathews County Board of Supervisors. MPPDC met with the County Administrator and subcommittee of Mathews County Board of Supervisors to discuss the project priorities and letter of engagement between Mathews County and the Middle Peninsula Planning District Commission acknowledging a public policy need for ongoing technical analysis and strategic planning assistance with ditch maintenance in the County. Transmittal letter is in progress from the Mathews County Administrator.

Deliverable 2: MPPDC staff drafted and executed a contract with Draper Aden Associates to create maps identifying ditches in the designated targeted area with associated parcel information and design a framework of a ditch management database for Mathews County, Virginia. MPPDC staff also drafted and executed a contract with the Virginia Coastal Policy Center (VCPC) at the College of William and Mary Law School to have students research the land records of the properties within the targeted area and collect all public records for future use to help understand who owns every inch of the drainage system and who should be responsible for the maintenance of any roadside ditch on the property.

Deliverable 3: MPPDC staff met with VCPC Director, Roy Hoagland and Law students to discuss the project and to initiate document research. Draper Aden Associates provided VCPC maps of the designated area in Mathews County with outfall ditches highlighted. The VCPC is using this information to conduct research, compile deeds, and easement documentation to determine ownership and maintenance responsibility. VCPC is currently working on the research.

Deliverable 4: Draper Aden Associates is currently developing a GIS framework for the ditch management database based on the needs of Mathews County, legal terms, and research of similar databases, specifically for the Cities of Norfolk and Virginia Beach. The basic framework will include graphic identification of ownership (private, public, or public easement over private property) for outfalls, ditches, culverts, property data, and outfall watersheds.

Final Products	% Completion	Anticipated Completion Date
1. Declaration of Public Policy Drainage Concern and Action	75%	4/30/16
2. Mathews Target Area Ditch Maps	100%	12/30/15
3. Research and Compile Land Records Data	75%	4/30/16
4. Design framework of a Ditch Maintenance Database	10%	9/30/16

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 94.03 Northern Virginia Regional Commission		Current Federal Total: \$39,476.00						
Northern Virginia Native Plant Social Marketing Campaign ("Plant NoVA Natives")								
<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>10/1/2015</td> <td>9/30/2016</td> <td>12/31/2016</td> </tr> </table>	Start:	End:	Closeout:	10/1/2015	9/30/2016	12/31/2016	
Start:	End:	Closeout:						
10/1/2015	9/30/2016	12/31/2016						

Evaluation of Pilot Strategy and Launch

During this reporting period, Northern Virginia Regional Commission (NVRC) staff and members of the Steering Team coordinated an evaluation of what worked and what did not work during the "pilot" stage of the campaign. The strategy was improved by placing a larger role on volunteer Community Leaders to conduct education and outreach and also by developing subcommittees to tackle specific issues such as social media management and HOA outreach. Logistics of the campaign were also evaluated during this reporting period and improvements were made such as the use of specialized software to track and manage volunteer hours and development of a signage catalogue to ensure the graphic identity of the campaign is consistently maintained. Also, cross-promotion of the campaign through partnering groups will also be improved.

Campaign Promotional and Marketing Materials

During this reporting period, many new promotional and marketing materials were developed for the campaign including; banners for tabling events, banners for garden center displays, yard signs, handouts for consumers, business cards, "I wish you carried this" cards for retailers, coloring books for kids, social media posts (facebook, twitter, Instagram, and LinkedIn), realtor training, and an on-line pledge. The materials can be viewed here <http://www.plantnovanatives.org/nova-natives-toolkit.html>.

Plant NoVA Natives Campaign Launch and Training Events

Three Community Leader trainings were held during this reporting period to continue recruitment and training of Community Leaders, to encourage and support volunteers, to collect leader feedback, and to maintain momentum of the campaign. Seventy-two people participated in these training events.

Community Leader Coordination

The Community Leader Coordinator position was filled by NVRC in October 2015. Nearly 200 volunteers for the Campaign come from a diverse range of professional fields and participate in a variety of community organizations. The Coordinator has been organizing the campaign's corps of volunteer Community Leaders for various outreach events, providing logistical and administrative support, as well as working with volunteers on development of marketing and educational materials.

Recommendations for Native Plant Enforceable Policy

NVRC staff formed a subcommittee to look at enforceable policy. The subcommittee has compiled all city, county, and town "weed" codes for the region and compared the different language. The Town of Herndon was identified as the most progressive, however, strong definitions of 'weed' and 'native plant landscape' were lacking. The subcommittee has drafted preliminary language for recommendation to County officials that is currently under review by committee members.

Final Products	% Completion	Anticipated Completion Date
Evaluation of Pilot Strategy and Launch	100%	
Campaign Promotional and Marketing Materials	50%	9/30/2016
Plant NoVA Natives Campaign Launch and Training Events	75%	9/30/2016
Community Leader Coordination	50%	9/30/2016
Recommendations for Native Plant Enforceable Policy	33%	9/30/2016

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 95.01	Virginia Commonwealth University	Current Federal Total:	\$60,000.00
Virginia Ocean Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

During the reporting period, the OPSE Coordinator encouraged participation from the commercial fishing sector to review the Marine Life Data Analysis Team (MDAT) data prior to being presented in an online manner. Attendance at the Mid-Atlantic Fisheries Management Council Meeting in Annapolis, December 9, 2015 was to meet directly with attendees and industry representatives to share information on the MDAT and Communities at Sea (C@S) data. Fishermen were asked to help compose language for any caveats about the fisheries data that should be included with the data layer as it is posted in the MARCO Ocean Data Portal. The OPSE Coordinator participated in the Inter-Jurisdictional Committee (IJC) working group and MARCO meetings focused on fisheries issues (commercial and recreational) to ensure consistent delivery of new, accurate data to the industry. The OPSE Coordinator attended the Mid-Atlantic Regional Planning Body meeting in Baltimore, March 22-24. The Mid-A RPB provided the opportunity to interact directly with the sectors with specific focus on the commercial fishing interests. Opportunities to communicate with representatives from Garden State Seafood Association, representatives of the scallop industry and Center for Sustainable Fisheries.

Final Products	% Completion	Anticipated Completion Date
Report on Ocean Stakeholder Engagement and VA Ocean Users Needs	10%	Sept, 2016

Task: 95.02	TBD	Current Federal Total:	\$44,400.00
Virginia Ocean Plan: Data Collection & Synthesis			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Pending	
Proposed	Start: End: Closeout:		
	10/1/2015 9/30/2016 12/31/2016		

\$44,400 remains in this task. DGIF is expected to submit a proposal for a marine mammal conservation plan for the Virginia portion of the Mid-Atlantic that would build on work conducted for the Mid-Atlantic Ocean Action Plan - e.g. the marine mammal aerial surveys conducted by the Virginia Aquarium and the marine mammal data syntheses conducted by the Marine-life Data Analysis Team at Duke. In addition, we are considering reprogramming a portion of these funds to Task 95.03 to help support a Marine Debris Social Marketing Workshop. We expect to resolve these issues this spring and send scopes of work for approval via GOL in May.

Year: 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA15NOS4190164
for the period from October 1, 2015 - March 31, 2016

Task: 95.03	Longwood University	Current Federal Total: \$60,600.00	
Virginia Marine Debris Reduction Plan Refinement and Implementation of Balloon Reduction Social Marketing Campaign			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2015	9/30/2016	12/31/2016

Clean Virginia Waterways (CVW), its contractors, and partners along with CZM staff worked on the following activities this period:

Product #1. Refinement and Implementation of Phase 2 of the VA Marine Debris Reduction Plan

The Virginia Marine Debris Advisory Committee met on March 9, the last day of the VA Marine Debris Summit to discuss post-summit priorities. In order to increase engagement of NGOs, agencies, and others in implementing aspects of the VMDRP, presentations about the VMDRP were given at the VA Water Monitoring Council Conference, a workshop for educators, and the EPA Region III Citizen Water Monitoring Conference. In addition, discussions were initiated with stormwater regulators (a targeted group) regarding their concerns with "floatable" pollutants, including litter and polystyrene pellets from construction sites.

During this period, CVW and CZM staff consulted with many groups regarding marine debris-prevention topics including:

1. Assisted with the research and writing of MARCO's Mid-Atlantic Marine Debris Summary Report.
2. Consulted with MARCO staff about a possible regional grant project to address marine debris.
3. Discussed the feasibility of local- and state-level actions on plastic bag fees or bans.

Cigarette litter prevention campaign designed to reach resort visitors: CVW, with several partners in VA Beach & 12 hotels conducted a pilot research project using Keep America Beautiful's Cigarette Litter Prevention Program in Virginia Beach's oceanfront resort area to reach a unique group of people: hotel guests and day visitors to the beach. Cigarette butts are cited in the VMDRP as being of high concern.

Product #2. Balloon Release Reduction Campaign: Evaluation & Supplies. CZM, CVW & partners worked with OpinionWorks to analyze all input from participants of the interviews, surveys and focus groups in preparation for determining elements of the pilot social marketing campaigns (to be held in fall 2016 and spring 2017).

Product #3. Balloon Debris Monitoring Report. Researchers Christina Trapani and Kathy O'Hara (sub-contracted by CVW to conduct monitoring of balloon litter on barrier islands) have entered all data collected thus far in preparation for a final report.

Product #4. Second Virginia Marine Debris Summit Report. CVW coordinated with VA CZM staff, VIMS and members of the VA Marine Debris Advisory Committee to plan all aspects of the 2nd VA Marine Debris Summit held March 7-9, 2016 at VIMS in Gloucester, Virginia. This included: agenda development; securing speakers, moderators and "Deep Dive" facilitators; promotion; on-line registration via Constant Contact; payment processes via Longwood University's "Marketplace" software; development and distribution of pre-summit surveys; coordination of display and posters; development of a media plan including distribution of a press release; promotion on social media; catering; AV; on-site logistics and materials; volunteers; and production of the summit program including abstracts from speakers. Results: 116 marine debris experts, state and local resource managers, and community educators attended the Summit to learn about the early accomplishments of the Virginia Marine Debris Reduction Plan, share ongoing research, and explore emerging issues. Representatives from other MARCO states and DC also attended to discuss regional approaches to marine debris sources, impacts, and mitigation.

Media coverage: 3 reporters attended portions of the Summit and interviewed speakers including the keynote speaker, David Paylor, VA DEQ Director. The summit and marine debris issues were covered on several radio stations and in local newspapers. Post-summit activities: a post-summit survey; summary of the key findings from the Summit (especially the "Deep Dive" discussions); & creation of a web site to share presentations and handouts

(<http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/MarineDebris/2016VirginiaMarineDebrisSummit.aspx>);

Katie Register (CVW) worked closely with Laura McKay and Virginia Witmer of the VA CZM Program to write, design, and produce a 20-page booklet entitled the "Virginia Marine Debris Reduction Plan: Summary & Look Ahead."

<http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/MarineDebris.aspx>.

Final Products	% Completion	Anticipated Completion Date
Product #1: Refinement and Implementation of Phase 2 of the VA Marine Debris Reduction Plan	50%	9-30-16
Product #2: Balloon Release Reduction Campaign: Evaluation & Supplies	10%	9-30-16
Product #3: Balloon Debris Monitoring Report	50%	9-30-16
Product #4: Second VA Marine Debris Summit Report	90%	6-30-16
Product #5: Final Report for A Rising Concern: Reducing Balloon Releases and Debris through a Social Marketing Campaign	0%	9-15-17