

Year: 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from 

Task: 1	Dept. of Environmental Quality	Current Federal Total: \$295,235.00
Coastal Program Management		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open
Open	Start: End: Closeout:	
	10/1/2014 3/31/2016 6/30/2016	

Policy Team Products: Governor McAuliffe signed an Executive Order renewing the Virginia CZM Program at an event with about 100 people in Hampton. The EO is online at: (<http://www.deq.state.va.us/Programs/CoastalZoneManagement/DescriptionBoundary/ExecutiveOrder.aspx>). The CZM Coastal Policy Team met on February 3, 2015. Meeting notes are available at http://www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/CPT_Meeting_Summary_February_3_2015.pdf . The CZM Manager presented CZM-funded efforts for maritime commerce on Feb 12 at NOAA's N. Atlantic Round Table meeting with Congressional reps. She will present habitat protection work funded by VA CZM at a similar meeting in May.

RPCs and Amendments: CZM staff met with Roy Hoagland, Director of the Coastal Policy Clinic at William & Mary about preparing program change packages. Several updates are needed however, further changes to existing laws are expected during the 2016 session of the Virginia General Assembly. CZM staff continues to work with the Virginia Department of Agriculture and Consumer Services to appoint a representative to the CPT and to document their support for adding state-listed threatened and endangered plant and insect species protection as an enforceable policy.

Grants Management & Reporting: Section A and B Semiannual Progress Reports and a Section C Success Story were compiled and submitted to NOAA on Oct 30, 2014 for the Apr – Sep 2014 period. Section A, B and C reports were compiled by CZM staff for the Oct 2014-Mar 2015 period. Staff monitored grant activities through phone calls and site visits and processed extension and budget amendment requests, 306 A documentation approvals, SAC removals, and reprogrammed funds using the Grants Online system. The Coastal Planner assisted in planning and participated in a NVRC native plants landscaping workshop and installation at a public park in the City of Falls Church on October 8, 2014. Both planners coordinated the FY15 PDC competitive grants process February - March and both coastal planners planned and coordinated the quarterly Coastal PDC Meeting held March 10, 2015. The Program Manager, Coastal Planner and Grants Coordinator worked with all CZM staff to plan and host the 2014 Biennial Coastal Partners Workshop December 10 -11. <http://www.deq.state.va.us/Programs/CoastalZoneManagement/ReportsPublications/2014VirginiaCoastalPartnersWorkshop.aspx>.

FY 15 CZM Grant Application: The FY 14 Draft application was prepared and submitted to NOAA on April 3, 2015. The FY 15 Final application will be submitted to NOAA by May 8 via the CAMMP, Grants Online, and Grants.gov.

FY 15 Section 309 PSM Grant Applications: Proposals for projects of Special Merit were submitted to NOAA in November 2014 for VIMS on implementing shoreline management in VA and MPPDC for inventory and legal assessment of roadside ditches. The VIMS proposal was selected for FY 2015 funding.

Performance Measures: No activity this period.

Ocean Planning MARCO & RPB Efforts: The CZM Manager continued to participate in weekly Board calls and monthly Regional Planning Body calls the notes for which are viewable on the MARCO Sharepoint site-<http://collaborate.csc.noaa.gov/Marco/default.aspx> and BOEM website (<http://www.boem.gov/Mid-Atlantic-Regional-Planning-Body>) respectively. She held quarterly calls of the MARCO Ocean Mapping & Data Team on Nov 18 and Mar 10. As a key member of the RPB's Ocean Action Plan Work Group she "held the pen" in drafting options for the OAP and helped present them at the Nov 6 Public Listening Session in VA Beach. She presented Virginia's ecological value map at the Jan RPB meeting, making a case for similar data synthesis for Mid-Atlantic ocean data layers and consequently became Co-chair of the RPB's Data Synthesis Work Group. As such she drafted an RFP for human use data synthesis and is working on an ecological data synthesis RFP. The CZM Manager was asked by VA's Dept of Mines, Minerals & Energy to apply for a \$200k grant from them and BOEM to collaboratively plan for fishing in and around VA's Wind Energy Area. The award was made and the CZM Manager prepared 5 subcontracts and a Jan 15 kick-off meeting to build the project team. 3 meetings have been held with commercial fishers to collect fishing data from them and provide info to them on wind energy planning. She also hosted the Feb. MARCO Board meeting in Richmond.

Outreach Materials: All staff began development of articles for the next issue of the VA CZM Magazine covering topics on Section 309 Strategies, Canyons, 312 Evaluation, Climate Change and the VA CZM 30th Anniversary. Work on this issue of the magazine will continue through the summer. The CZM Manager and Grants Coordinator prepared an exhibit for and participated in October Eastern Shore Birding Festival.

Section 309 Needs Assessment & Strategy: CZM staff hosted the biennial Coastal Partners Workshop Dec 6-7 where an overview of Section 309 topics and high level assessments were presented to participating stakeholders. Stakeholders ranked topics and brainstormed strategies to pursue for the 2016-2020 309 grant cycle. Three general areas were chosen and approved by the CPT at the Feb 3 meeting: CSI, Coastal Hazards and Ocean Resources/Marine Debris.

Section 312 Evaluation Materials: The VA CZM program submitted background information to NOAA on November 15, 2014. CZM staff participated in several 312 evaluation planning phone conferences with NOAA to prepare for the May 12-13 in-person interviews.

Final Products	% Completion	Anticipated Completion Date
Policy Products (5%)	50%	Sept 30, 2015
RPCs and Amendments (5%)	50%	Sept 30, 2015
Grant Administration & Reporting (45%)	50%	Sept 30, 2015
FY 2015 CZM Grant Application (10%)	60%	Apr 30, 2015

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FY 2015 CELCP Grant Application (5%)	No Virginia applicants for FY15	0%	
Performance Measures (5%)		0%	Sept 30, 2015
Mid-Atlantic Regional Council on the Ocean Documents (15%)		50%	Sept 30, 2015
Outreach Materials (5%)		0%	Sept 30, 2015
Section 309 Assessment Strategy (15%)		25%	Sept 30, 2015
Section 312 Evaluation Materials (5%)		5%	Sept 30, 2015

Task: 1.01 Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R Coastal Management Support Current Federal Total: \$112,368.00

Project status: Current approved Final deliverable(s) status: Project Period Open
Open Start: End: Closeout:
10/1/2014 9/30/2015 12/31/2015

Progress on all tasks, except MARCO-CCAT, is reported under Task 1.

Mid-Atlantic Regional Council on the Ocean - Climate Change Action Team (MARCO_CCAT): The Coastal Planner worked with other MARCO-CCAT state representatives through periodic calls and an in-person meeting in Willmington, DE on November 12, 2014. CCAT efforts were facilitated and assisted by staff from NOAA and Rutgers University. The CCAT worked to draft an RFP for use of climate change adaptation funds obtained through a \$340,000 grant from the U.S. Fish and Wildlife Service through the North Atlantic Landscape Conservation Cooperative.

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Task: 1.02	Virginia Commonwealth University	Current Federal Total:	\$92,717.00
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:	End:	Closeout:
	10/1/2014	9/30/2015	12/31/2015

VCU CES staff:

-Performed Coastal Gems maintenance including installing software/security updates and refreshing map services as necessary. From October 1, 2014 to March 31, 2015, Coastal GEMS received 457 visits from 275 unique visitors with an average site visit time of 1 minutes and 23 seconds. Coastal GEMS can be accessed online at: www.coastalgems.org.

The Coastal GIS Coordinator:

- Set up a participatory GIS webinar with VIMS and VMRC staff to map new potential SAV set-asides on the seaside of Virginia's Eastern Shore. Cleaned up final boundaries drawn during the webinar and created map layouts, including acreage and percent coverage charts, for use in a presentation to the VMRC board. Provided final GIS boundaries to VMRC and VIMS after the board approved two new set-asides.
- Created a map layout for the VA CZM exhibit at the 2014 Birding Festival highlighting recent CZM habitat restoration projects on the Southern tip of the VA's Eastern Shore and popular festival trip locations.
- Worked with VCU CES staff to compile and process data from aerial recreational use survey flights covering the Virginia Beach area and created a series of maps summarizing the data.
- Worked on various aspects of the BOEM/DMME funded, VA CZM led, VWEA Collaborative Fisheries Planning Project including: Participating in all project team meetings, helping to secure a necessary sole source contract and reviewing related subcontracts, setting up webinars for initial project team meetings, creating two map layouts for the project handout, creating an ArcMap project with offline data and basemaps for pGIS use during meetings with fishermen, and working with other project team members to create a questionnaire for fishermen providing spatial data.
- Gave Coastal GEMS presentation at 2015 Sea Grant Symposium as part of an ecosystem based management workgroup.
- Worked with CZM Coastal Planner to design methodology to produce working waterfronts spatial database utilizing existing Coastal PDC working waterfront inventory products and Coastal GEMS.
- Represented VA CZM at Port of Hampton Roads Lower Chesapeake Bay Use Subcommittee, providing the group with information about the VA CZM Coastal GEMS data portal and the MARCO Data Portal.
- Helped prepare for the annual CZM Coastal Partners Workshop including organizing speakers, obtaining, setting up, and running audience participation system, and creating final topic ranking chart.
- Worked with VIMS staff to create a map layout depicting proposed project boundaries of CZM funded 2015 seaside restoration work for submission to AG office to meet 306A clearance requirements.
- Fulfilled data requests from HRPDC, the Green Infrastructure Center, VA Sea Grant, the VA Aquarium, USFWS, and UVA.

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Application Maintenance	50%	September 30th, 2015
Coastal GEMS Data Management	50%	September 30th, 2015
Coastal GIS Coordination	50%	September 30th, 2015
Coastal GEMS Training and Outreach	50%	September 30th, 2015
GIS Map Products and Services	50%	September 30th, 2015

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Task: 1.03	Dept. of Environmental Quality	Current Federal Total: \$96,754.00
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:	
	10/1/2014 9/30/2015 12/31/2015	

Outreach and Social Marketing Strategies:

- working with the co-project coordinator at Clean Virginia waterways, began research for the helium balloon release reduction social marketing campaign, and conducted two meetings with marketing firm OpinionWorks and NOAA MDP staff and other partners to outline research parameters and review status of findings – additional planning team partners will be pulled into this process as the research progresses with focus groups and development and distribution of a public survey
- continued work with partners on drafting 2015-2018 Virginia Native Plant Marketing Partnership Action Plan, secured Virginia Dep. of Transportation as newest partner (article in December 2014 Mid-Atlantic Growers newsletter highlights partnership www.americanfarm.com/publications/mid-atlantic-grower/archives/1977-va-group-promotes-interest-in-use-of-native-plants)
- continued to serve on planning team for the Plant NoVA Natives campaign (assisted NVRC staff in drafting FY15 scope of work including new enforceable policy deliverable looking at changes to local weed ordinances and county park authority vegetation management policy)
- continued to consult with Plant NNK Natives campaign, including input and review of new publication encouraging use of NN native plants in residential vegetative BMPs to control stormwater
- recruited one new local co-coordinator for the Plant ES Natives campaign to assist in continuing this campaign and keep the campaign's Community Leaders engaged and organized
- continued to serve on CBP Chesapeake Stewardship GIT, providing input to a Citizen Stewardship Management Strategy and development of a Citizen Stewardship Indicator

Events and Training:

- coordinated publicity and registration for the 2014 Virginia Coastal Partners Workshop, designed and distributed a Coastal Needs Assessment and Prioritization survey to inform discussion
- providing training to 2014 CBF Voices Class on native plants for pollinators and use in rain gardens (23 in training - 5 chose to attain their Citizen Steward designation by installing a native plant garden at a local community center and rain gardens at other locations as their final stewardship project)
- presentation to Spring 2015 Coastal PDC meeting highlighting current regional campaigns (resulted in new FY15 technical assistance grant deliverable to conduct research and begin drafting a strategy for Plant GW Natives campaign; assisted in developing scope/timeline)
- presentation and exhibit at 2015 Mid-Atlantic Horticultural Short Course on the Virginia Native Plant Marketing Partnership (over 100 session attendees, and Virginia CZM listed in program as educational sponsor - www.mahsc.org/wpcontent/uploads/2014/11/2015_MAHSC_Program_Web.pdf) – updated exhibit panels
- school presentation (new) about marine debris (students created 2 new bulletin boards titled “Problems” and “Solutions” to share what they learned and encourage new behaviors to reduce debris)
- presentation and exhibit at March 2015 “Teas, Bees and Water Quality” event in Farmville hosted by Clean Virginia Waterways, CBF, Virginia Tech, Piedmont SWCD (70 attendees) – partners interested in creating southern Piedmont regional campaign
- exhibit at DEQ Recycles Day event on Virginia CZM marine debris reduction efforts – updated exhibit panels
- began participating on committee planning/designing new multi-agency exhibit at Virginia State Fair

Printed Media:

- completed production and distribution of Fall 2014 Virginia Coastal Zone Management Magazine - www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/magfall2014.pdf
- completed revisions and publication of 2nd edition of Plant NoVA Natives guide - http://issuu.com/nvswcd/docs/northern_virginia_native_plant_guid (with NOAA Grants Office approval, partners are now selling the guide slightly above reprint cost, with monies going to future guide printing and other campaign multi-media production - Virginia Native Plant Society presented copy of guide to Gov. McAuliffe - photo on VNPS site banner at <http://vnps.org/>), an earlier article in the VNPS Bulletin highlighted Virginia CZM's native plant projects - <http://vnps.org/download/Bulletin%20Archives/color%20spring%20vnps%202014.pdf>)
- provided design guidance and editing review for new regional guide produced by the Piedmont Natives campaign which will be printed in April (Plant ES Natives was the inspiration for this campaign – article in www.cvilletomorrow.org/news/article/14182-native-plants/)

Electronic Media: maintained the Virginia CZM website – new page added for “Fishing and Virginia Offshore Wind”

Final Products	% Completion	Anticipated Completion Date
Outreach and Social Marketing Strategies	50%	9/30/15
Printed Media	50%	9/30/15
Events and Training	50%	9/30/15
Electronic Media	50%	9/30/15

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**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
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Task: 2	Back Bay Restoration Foundation	Current Federal Total:	\$2,500.00
Virginia Beach Watersheds Forum			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

With funding and support from the Virginia Coastal Zone Management Program and NOAA, Back Bay Restoration Foundation (BBRF) and Lynnhaven River NOW (LRNow) co-hosted the 2015 Virginia Beach Watersheds Forum on March 30, 2015, for 100 attendees comprised of BBRF members, LRNow members, Master Naturalists, students, home/land owners, Virginia Beach City officials and staff, and representatives from state and federal agencies. The Forum agenda began with a group workshop titled "Parks and Recreation Workshop on the Outdoors Plan" with Barbara Duke (Virginia Beach Parks & Recreation Open Space Planner). The Forum agenda then had two break-out sessions, each included information to benefit Virginia Beach Watersheds as a whole as well as watershed specific information. The first break-out session talks included: "Back Bay Fisheries Update" (Chad Boyce, VDGIF), "Green Seas Plan for the North Landing River" (Calvin Jackson, Environment and Sustainability Office), and "Local Agriculture in our Future" (John Wilson, New Earth Farm and Kirsten Halverson, Buy Fresh, Buy Local Hampton Roads). The second break-out sessions talks included: "Strategic Growth Areas, the Plan for the Future" (Barry Frankenfield, Virginia Beach Strategic Growth Area Office), "Transportation Options in Virginia Beach" (Brian Solis, City of Virginia Beach), and "Planning for Sustainability" (Clay Bernick, Environment and Sustainability Office). The VB Watersheds Forum concluded with a quick discussion of the results of the input received during the workshop at the beginning of the Forum.

Pertinent displays featuring area conservation/environmental non-profits including: Master Naturalists, Virginia Native Plant Society, Rudee Inlet Foundation, Back Bay National Wildlife Refuge, Sierra Club, and others were available to attendees throughout the day. Presentations from presenters will be available on the BBRF website (http://www.bbrf.org/VB_Watershed_Forum.htm). PowerPoint presentations of all presentations were provided upon request. BBRF and LRNow staff and volunteers distributed the feedback form following the Forum. BBRF and LRNow staff plan to meet in June to discuss the results of the feedback forms, discussion results and other thoughtful feedback to identify issues and format suggestions that will be used to improve future Forums.

Final Products	% Completion	Anticipated Completion Date
Deliverables: Forum registration form, agenda, program and nametags	100	30 March 2015
Deliverables: Action Plan	25	30 June 2015
Deliverables: Addition of work, presentations, summations on website	25	30 June 2015
Deliverables: Result Compilation and Analyses	25	30 June 2015

Task: 3	Dept. of Environmental Quality - Environmental Impact Review	Current Federal Total:	\$222,426.00
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:		
	10/1/2014 9/30/2015 12/31/2015		

During the period of October 1, 2014 through March 31, 2015, Office of Environmental Impact Review/Federal Consistency (OEIR) staff reviewed 55 projects located in the coastal zone of Virginia. Major state projects accounted for 9 projects, 50 were federal actions, and 18 were federally funded projects (predominantly HUD mortgage insurance projects). The 46 federal projects included 16 federal agency activities, 18 federal licenses and approvals, 1 Outer Continental Shelf project and 11 projects submitted under the residual category pursuant to the federal consistency regulation (15 CFR 930.31c), which consisted of 11 U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects, 1 financial assistance from Health Resources & Services Administration, 1 U.S. General Services Administration lease proposal and 2 financial assistance from U.S. Department of Agriculture to private entities. All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines.

Two representatives from the Office of Environmental Impact Review (OEIR) attended a public information meeting held on March 31, 2015 in Norfolk, Virginia hosted by Bureau of Ocean Management (BOEM) on the Atlantic Geological and Geophysical (G&G) Activities Programmatic Environmental Impact Statement (PEIS).

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. The OEIR also 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 determinations and certifications responses	100%	

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Task: 4	Dept. of Environmental Quality	Current Federal Total:	\$0.00
WQIF Match - City of Richmond Treatment Plant Upgrade			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

Construction of the City of Richmond's wastewater treatment plant upgrade with enhanced nutrient removal technology continues. Construction began in December 2008 and is scheduled for completion by August, 2015. To-date, \$46,582,317 of the \$50,131,031 grant has been paid to the City.

In the period since October 2014, reimbursements totaling \$1,909,439 have been made to the City for this project, which exceeds the \$943,322 in State General Funds needed to provide a match for the Coastal Zone Management Program.

Final Products	% Completion	Anticipated Completion Date
Certificate to Operate – City of Richmond nutrient reduction upgrade <input type="checkbox"/>	93%	August, 2015

Task: 5	Virginia Marine Resources Commission	Current Federal Total:	\$160,000.00
Permit Review & Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

During the reporting period, VMRC received a total of 806 joint permit applications. Actions were completed on 825 projects, some of which were received prior to the reporting period. During the reporting period, 117 compliance inspections were conducted for previously issued permits. Also, 39 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 179 projects involving tidal wetlands. Of this total, 134 were approved as proposed, 35 were approved as modified, 0 were denied, 10 are pending, 0 were inactivated, 1 no permit was required, and 23 required compensation either on or off site (12), or through payment of an in lieu fee (11) accounting for 14,423 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 2013	30 %	September 2015
Compile data for entry into database	50%	September 2015

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Task: 6	Dept. of Conservation & Recreation - Natural Heritage			Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

- The Locality Liaison held training sessions in October and December of 2014 and February of 2015 for one consultant, one planning district commission, one land trust, six soil and water district commissions, eight localities, five state agencies and one state agency from out-of-state. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the Virginia Conservation/Vision, 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.

- For 10/01/14 through 3/31/15, 451 projects were reviewed for impacts to natural heritage resources in the coastal zone (47% of the projects reviewed statewide). 166 projects were submitted through the Natural Heritage Data Explorer representing 37% of the coastal projects submitted.

- On October 10, 2014, the Locality Liaison gave a brief overview of the Natural Heritage Data Explorer to the Virginia Chapter of the American Society of Landscape Architects at their annual meeting. Approximately 45 people were in attendance.

- 91% of the localities, 100% of the Planning District Commissions and 66% 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, 2015
Locality Assistance Program Presentations	50%	September 30, 2015
Improvements to Natural Heritage tools	50%	September 30, 2015
Final Report	0%	November 15, 2015

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**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
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Task: 7	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

Product #1, General Technical Guidance:

As of Nov 2014, Wetlands Program personnel returned to writing VIMS Reports for all Joint Permit Applications advertised on local wetlands boards' agendas. The advice provided in the new VIMS Report is the preferred shoreline best management practice derived from the CCRMP's (for localities where available) and/or the applicable CCRM Decision Trees. The reports are made available on CCRM and VMRC's permit websites in addition to being emailed to the local wetlands board members and staff, property owner, agent, and contractor.

JPA Reviews/ VIMS Reports = 111

Living Shoreline Advisory Requests = 15

Plant Information/Recommendations = 14

Erosion Control Advice (not Living Shoreline related) = 10

Other Advisory Requests (climate change, mitigation, etc.) = 35

Total = 185

Product #2, Outreach Education:

Planning for the annual workshop is well underway. It will be held on June 5, 2015 at VIMS. Agenda planning is still in progress and is expected to include presentations, breakout focus group discussions, and field experiences on the VIMS campus. The next issue of the wetlands newsletter, "Virginia Wetlands Report," is in press. It will be posted electronically and delivered to local governments in April 2015. One CCRM e-news was distributed in January 2015 to announce the upcoming workshop and the availability of new CCRMP web site portals. The topics and content for the April 2015 e-news are in progress. The topic for the Rivers & Coast publication has been determined, the outline is completed, and potential content has been collected. Publication is expected to be completed in Summer 2015. Although not included in the grant task, additional outreach education training was completed for CCRMP orientation & Shoreline Best Management Practices. Five CCRM training sessions were held for a total of 69 participants, including local government staff from 5 localities.

Product #3, Public Permit Records Website Report:

Website Activity/Hits, Oct – 82, Nov – 85, Dec - 32, Jan - 15, Feb - 21, Mar – 26

The Center for Coastal Resources Management has stopped populating our digital permit records website as of January 2015. We continue to maintain and serve complete historical records for Joint Permit Applications with VRMC assigned numbers for years prior to 2010, including any additional information that may still be generated for those records. This searchable database is available at

<http://ccrm.vims.edu/perms/newpermits.html>. The Virginia Marine Resource Commission (VMRC) is now serving permit records at this website

<https://webapps.mrc.virginia.gov/public/habitat/>. Use the VMRC website to access information regarding JPA records, including associated VIMS Wetlands Reports starting with the year 2010 to the present date.

Final Products	% Completion	Anticipated Completion Date
Product #1, General Technical Guidance	50%	30 Sep 2015
Product #2, Outreach/ Education	20%	30 Sep 2015
Product #3, Public Permit Records Website Report	50%	30 Sep 2015

Task: 8	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2014 Submerged Aquatic Vegetation Distribution and Abundance Survey			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
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VIMS successfully completed the acquisition of aerial photographs of the entire bay and tributaries and coastal bays for the 2014 SAV annual survey.

VIMS also successfully completed ortho-rectifying all the photography and mosaicing all the flightlines. VIMS has completed approximately 50% of the photointerpretation. The complete survey will be completed in the next 45 days. Maps completed for the 2014 work can now be viewed at:

<http://web.vims.edu/bio/sav/sav14/index.html> and also on the interactive map: <http://web.vims.edu/bio/sav/maps.html>.

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

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Task: 9	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:		
	10/1/2014	9/30/2015	12/31/2015		

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.

The Healthy Waters Program is supported through funding from several grant sources including the VA CZM Section 306, US EPA 319 Nonpoint Source Program, and the Chesapeake Bay Implementation Grant. These sources fund various aspects of the Program including the administration and oversight, Program growth and expansion, improvement in capacity, acquisition and analysis of new data and data integration.

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 were 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 Ecological Occurrences (EOs) and Stream Conservation Units (SCUs). Challenges to administering the Program are the resource and staffing needs to conduct field assessments. The DNH supported the Healthy Waters Program by contributing two field biologists 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 is planned to continue for the 2015 sampling season. This increased capacity permits the collection of data by additional field personnel aside from specific grant related activities. The collection of data will be in the raw form still requiring the development of models to interpret such information to make it 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 participated 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 for public comment. Additionally, the Bay Program identified a subgroup of the Habitat Goal Team, Stream Health. The means for identification of those characteristics for classifying stream health were in conflict with the methods the Commonwealth uses to identify Healthy Waters. Through direct coordination with the VCU and the Chair of the Stream Health Workgroup and Chair Healthy Streams GIT, this issue was raised in an attempt to address the conflict.

The Criteria for watershed protection, being referred to as the Criteria for Ecologically Healthy Watershed Conservation is under review with the US EPA and the VA DEQ Waters Division. This iterative approach resulted in the following elements that were applied in developing the watershed based plans in the Chowan Basin, referred to as the A-I Criteria for Ecologically Healthy Watershed Conservation:

- A. Quantify and verify the empirical basis for aquatic communities identified with high ecological integrity
- B. Identify conditions needed to maintain existing ecological integrity (e.g., sediment loadings)
- C. Identify best management practices and other preventative actions to achieve and maintain the system with high ecological integrity
- D. Estimate needed technical and financial resources
- E. Provide information, education and public participation component
- F. Include schedule for implementing Non Point Source (NPS) management measures
- G. Identify interim measurable milestones for implementation
- H. Establish criteria to determine high ecological integrity is maintained (eg. land cover as related to sediment)
- I. Provide a monitoring component to evaluate effectiveness

Through funding from EPA 319, the Program Manager continued to oversee the initiation of 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 identified to be updated and streamlined to improve the utility. Additionally, the development of a statewide Healthy Watersheds discussion and process was initiated, through EPA 319 funding, to provide an analysis of those data mined from the VDGIF and VDEQ Prob-Mon to create rankings where INSTAR data is lacking. Additionally, language to revise the identification of Healthy Catchments was initiated. Healthy Catchments are those subwatersheds that drain to a Healthy Waters INSTAR site. Only where the Healthy Waters Program has an identified INSTAR site will this designation be utilized.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Program Growth and Admin	10%	Sept, 2015
Healthy Waters Capacity Development	15%	Sept, 2015
Healthy Waters resampling in the Coastal Zone	3%	Sept, 2015
Estuarine Healthy Waters, Oyster replenishment in the Coastal Zone	0%	Sept, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 10	Dept. of Conservation & Recreation	Current Federal Total: \$229,000.00	
A Beautiful Woods - the Fee Purchase of 1.1 acres of dune woodlands to expand the Pickett's Harbor Natural Area Preserve, Northampton			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:
	10/1/2014	9/30/2015	12/31/2015

On September 19, 2014, the Director of the Virginia Department of Conservation and Recreation (DCR) signed a letter of intent with The Nature Conservancy to establish a partnership with The Nature Conservancy (TNC) to purchase Lot 1 in the ten lot "Bluff" subdivision at Pickett's Harbor (Map 1). The letter expressed DCR's interest in purchasing Lot 1 from TNC if TNC is successful in purchasing the lot from its current owner. The terms of the relationship between DCR and TNC are laid out in that letter and are in compliance with the Memorandum of Agreement regarding natural area land acquisition between the two organizations.

The current and future owners of each of the ten lots at "The Bluff" are legally bound to the terms of a road maintenance agreement (the road agreement) and declaration of restrictive covenants (the declaration) which require that each owner forever share in the cost of maintaining the access road and the offshore breakwaters, as well as other responsibilities and obligations. DCR, as the potential future owner of Lot 1, cannot bind itself to future payments or obligations such as these. As a result, the Commonwealth of Virginia and TNC, and the attorney representing the ten lots owners have prepared releases for DCR from the road agreement and declaration, if DCR would become the owner of Lot 1 at The Bluff. These releases have been presented to the owners of lots 1 through lot 10 at The Bluff for their signature. If DCR is not able to purchase Lot 1 from The Nature Conservancy, TNC would place the lots on the market to sell to a private owner as is their status today, and that new owner would be bound to the road agreement and the declaration.

As of this date, the owners of three lots have signed and returned the releases, the owners of three additional lots have signed the releases but they have not been received by the realtor and the owner of the final four lots have not signed the releases.

Final Products	% Completion	Anticipated Completion Date
Product #1	20%	July 1, 2015
Product #2	0%	October 30, 2015

Task: 11	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:
	1/1/2015	3/31/2016	6/30/2016

306A documentation was prepared and submitted to NOAA for approval in mid-April 2015.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 41	Accomack-Northampton Planning District Commission			Current Federal Total:	\$30,000.00
A-NPDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

Climate Adaptation Working Group Newsletters

Newsletters were distributed via email to over 500 subscribers in November and February 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 nearly 250 people. Trainings included educational activities regarding ground water and coastal resiliency and training events regarding implementation of the National Flood Insurance Program Community Rating System. Additional events are scheduled for the remainder of the fiscal year.

Technical Assistance

A-NPDC coordinated a GIS Users Group and served on local & state committees including the ES Environmental Education Council, ES Watersheds Network, VA Secure Commonwealth Panel Recurrent Flooding Subpanel, and VCZM Coastal Policy Team. A-NPDC continued overseeing a comprehensive survey and strategic planning process for rehabilitating properties lacking indoor plumbing.

Ground Water Committee

A-NPDC held 3 Committee meetings and held 2 public workshops. The Committee reviewed 2 groundwater withdrawal permits, reviewed General Assembly activity, and completed reviews of 4 research publications. The Committee maintained the Regional Ground Water Plan and 2 County Water Supply Plans. The Committee investigated the status of availability of wetlands mitigation banks in the region. The Committee educated local governments on local susceptibility to saltwater intrusion and pursued the development of programs to monitor the hazard. The committee awarded the 2014 Ground Water Award to Waste Watchers of the Eastern Shore. The Committee explored options for amending its Joint Resolution to include surface water quality, natural hazards, and land stewardship in addition to ground water.

Eastern Shore Water Access Authority Development Facilitation

After conducting research on similar Access Authorities and holding initial discussions with individual county representatives, it was requested that the A-NPDC not proceed with the planned activities. As result, the A-NPDC will draft and submit a report summarizing all completed activities.

Shore Big Tree Program Outreach and Implementation

A-NPDC staff has drafted an outreach flyer detailing the program and soliciting participation from local governments. The flyer is scheduled to be distributed and follow-up meetings with interested localities will then occur to develop implementation plans for each interested community.

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	90%	9/30/2015
Technical Assistance Report	50%	9/30/2015
Ground Water Committee Report	50%	9/30/2015
Eastern Shore Water Access Authority Development Facilitation	90%	9/30/2015
Shore Big Tree Program Outreach and Implementation	25%	9/30/2015
Benefits Accrued from Prior CZM Grants Report	0%	9/30/2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 42	Crater Planning District Commission			Current Federal Total:	\$30,000.00
Crater PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

(1) Crater PDC staff processed 21 environmental impact reviews for local, state, and federal projects. (2) Two coastal meeting/training sessions were held during the reporting period (2/13/15, 3/19/15). Topics of discussion were the Appomattox River Recreation and Economic Development Plan, the Urban Development Areas Planning Grant, the Virginia State Water Resources Plan, the VCU Development Tracker, 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 stormwater regulations, solid waste and recycling, the James River National Wildlife Refuge, Chesapeake Bay TMDL, the Greater Richmond Environmental Educators Network (GREEN), 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 scheduled 3/28/15 river cleanup day and its continued strategic planning process. (6) Staff continued work on maintaining and producing internet and smart phone applications for the Appomattox River Interpretive Guide.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	50%	9/30/15
Coastal Meetings	50%	9/30/15
Coastal Training	50%	9/30/15
FOLAR Assistance	50%	9/30/15
Benefits Accrued From Prior CZM Grants	50%	9/30/15

Task: 43	Hampton Roads Planning District Commission			Current Federal Total:	\$60,000.00
Hampton Roads Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

Environmental Impact Review: Twenty (20) 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, seven (7) entries related to coastal resources management were posted to the HRPDC website. HRPDC hosted the APA's AICP webinar series (5 sessions).

Regional Coordination Process: HRPDC staff facilitated monthly regional advisory committee meetings addressing wetlands, Chesapeake Bay issues, and other coastal and environmental issues. Through these committees, the localities develop regional consensus on state and federal regulatory and legislative issues, coordinate plans addressing these issues, and exchange information on program activities. During this period, six (6) meetings were held of the Regional Environmental Committee (REC). Topics covered included regional studies and projects, sea level rise, the Chesapeake Bay Program, nutrient credit trading regulations, and stormwater management.

Regional Technical Studies and Assistance: HRPDC staff began working with localities to identify issues of interest for special studies and projects. Topics identified included local floodplain management regulations and 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, 2015
Public Information, Education, and Training	50%	September 30, 2015
Regional Coordination Process	50%	September 30, 2015
Regional Technical Studies and Special Projects	25%	September 30, 2015
Benefits Accrued from Prior CZM Grants	0%	September 30, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Middle Peninsula Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

Product #1- Coastal Management Policy and Support: MPPDC staff continues to be a 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 discussions with legislative staff on House Bill 1734 Loans for Living Shorelines, which allow Virginia Resource Authority to lend funds for water quality and shoreline restoration projects. MPPDC staff discussed a project with Mathews County and was successful at securing funding to explore and provide planning options to local governments that will allow rural coastal counties to mitigate the impacts of flooding by encouraging development in areas outside of high risk areas. MPPDC staff has partnered with Old Dominion University, Wetlands Watch and College of William and Mary Coastal Policy Clinic to develop a training workshop for Middle Peninsula realtors that will help them better understand the issues surrounding FEMA Flood Insurance Reform on coastal property insurance premiums. MPPDC staff has been a staunch advocate and supporter of King & Queen County's efforts to fund a public fishing pier. MPPDC staff consulted with Delegate Hodges and Dr. Mark Luckenbach, of VIMS to obtain information supporting the case for the fishing pier with evidence presented on water salinity and revenue generation by saltwater fishing licenses. MPPDC staff also attended various workshops and seminars, including the 2014 Virginia Coastal Partners workshop, which will help determine the direction of future coastal funding and expenditures. MPPDC has secured funding to research property rights and interest in roadside and outfall ditches and create a database for shared use by public stakeholders. MPPDC has also secured funding through the Coastal Zone Management program that will determine the authority and process for establishing a possible Ditching Authority to coordinate ditch maintenance projects.

Product #2 - Convened Meetings: MPPDC staff convened monthly-quarterly meetings with local government administrators and local planners. Local Government Administrators meetings (6) included discussion on the Chesapeake Bay Act and local storm water management programs and recurrent flooding and groundwater issues. Convened a meeting of Middle Peninsula Realtors to discuss training needs to better understand and convey information on the impacts of Flood Insurance Reform Act on coastal property insurance premiums. MPPDC convened three local planners meetings on rural coastal topics including the requirement to update Chesapeake Bay Local Ordinance Updates to include storm water management.

Product #3 – Middle Peninsula Chesapeake Bay Public Access Authority (PAA): MPPDC continues ongoing effort and participation with VCU to develop and implement the Captain Sinclair Management Plan. MPPDC staff participated in a VCU public meeting as a part of the planning process for development of the Capt. Sinclair Recreation Access Plan in November. MPPDC staff met with several property owners and began initial title research on properties in Mathews and Gloucester being proposed as gifts to the PAA. After a series of discussions and presentations, the Middlesex Board of Supervisors has commissioned the PAA to assist with a public access plan for the county's public access sites. The PAA also launched its online land reservation system and is taking input from users on suggestions to improve the system. The web address is www.virginiacoastalaccess.net.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Analysis and Policy Support	50%	September 30, 2015
Local Planning Coordination	50%	September 30, 2015
MP CBPAA Work Plan & Support for Online Facility Reservation System	50%	September 30, 2015
Benefits accrued from prior Coastal Zone Management funding	50%	September 30, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 45	Northern Neck Planning District Commission			Current Federal Total:	\$30,000.00
Northern Neck PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

NNPDC staff worked with Virginia Department of Conservation and Recreation staff to conduct a training session for local governments on reviewing and updating the Virginia Outdoor Plan. County staff updated DCR staff on grants to improve/create water access points and noted that NNPDC staff were instrumental in assisting in the development of the grant applications. Improvements are to be made to Farnham Creek Landing in Richmond County, a new boat ramp will be built near Westland Beach in Lancaster County, and there are plans for a canoe/kayak launch at James Monroe Birthplace in Westmoreland County. NNPDC staff held a Northern Neck Land Use Administrator's meeting on March 11, 2015. The main discussion at this meeting was coastal zone management projects that the counties wanted for the upcoming grant application to VACZM for FY15. Northumberland County staff requested water trail maps, since all other counties had water trail guides created by the NNPDC, as well as an easier to use county zoning map. Marketing the existing water trails in the other three counties was the consensus regional project to pursue. NNPDC staff held a training session immediately following the government coordination meeting, to illustrate the use of the VIMS Comprehensive Coastal Resource Management Portal in supporting county wetland board decisions. At the time of the meeting, both Northumberland and Westmoreland Counties have portals available for use. NNPDC staff informed Richmond and Westmoreland County staff that VIMS is actively seeking funding for the creation of portals for the remaining coastal zone counties in Virginia. NNPDC staff began work on the digital Northumberland Zoning map by taking the last version of the zoning maps and dissolving the boundaries between tax parcels to create unified polygons of the zoning classes. Work continues aligning old zoning boundaries with newly revised taxmaps, as well as the quality control phase. NNPDC staff have begun work on the Cockrell Creek Water Trail map and guide. NNPDC staff received input for content for the water guide from the Northern Neck Tourism Commission, as well as the Northumberland Association for Progressive Stewardship. NNPDC staff requested that Northumberland County staff determine the second creek for creation of a water trail guide, so that work can begin on that creek as soon as the Cockrell Creek guide is finished. Northern Neck Chesapeake Bay Public Access Authority staff (NNPDC staff), at the request of the Authority, drafted a press release for local newspapers. This press release is currently being reviewed by NNCBPAA members and will be sent to local newspapers in the next week or two. The NNCBPAA press release highlights the cash donation the estate of Charles Fears made in 2014, and commends him for his altruistic action. Furthermore, the press release states that the NNCBPAA can receive donated waterfront property, hold conservation easements, as well as accept cash donations to further the public's access to state waters in the three member Northern Neck Counties. NNPDC staff plan on visiting several of the newly created water trails and write press releases that highlight individual Northern Neck Water trails. In each of the upcoming water trail press releases, the NNCBPAA will be mentioned and reiterate the request for donations to further increasing access in the Northern Neck Region.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50%	September 30,2015
Local Planning Coordination and Training	40%	September 30,2015
Northumberland County Digital Zoning Map Production	50%	September 30,2015
Northumberland County Water Trail Maps/Website	40%	September 30,2015
Marketing Northern Neck Water Trails	10%	September 30,2015
Benefits accrued from prior CZM Grants	0%	September 30,2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 46	Northern Virginia Regional Commission	Current Federal Total:	\$30,000.00
NVRC Coastal Resources Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2014	9/30/2015	12/31/2015

Coordination & Training:

During the reporting period, Northern Virginia Regional Commission (NVRC) staff coordinated and implemented one rain garden workshop held on November 8, 2013. Through the workshop, 25 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. Master gardeners, master naturalists, landscape designers and other interested parties attended the workshop that occurred during this reporting period. www.novaregion.org/raingardens

NVRC Coastal Program Manager also coordinated a meeting between representatives from the Northern Virginia Conservation Trust and other NVRC staff members to discuss ideas and mechanisms to coordinate implementation of the Regional Conservation Corridors Plan.

NVRC Coastal Program Manager also coordinated two meetings with representatives from Resilient VA, NoVA Outside, and George Mason University's Potomac Environmental Research and Education Center (PEREC) to discuss opportunities to provide regional resilience outreach and education to the general public as well as K-12 students.

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 reduction commercials 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 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 2014 for inclusion in their annual MS4 reports. <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
Annual Report – NoVA Coastal Resources TA Program	50%	September 30, 2015
Summary of Regional Stormwater Education Campaign	50%	September 30, 2015

Year: 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?

Task: 47	George Washington Regional Commission	Current Federal Total:	\$30,000.00
George Washington Regional Commission Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

Below is a summary of the tasks completed during the first quarter of George Washington Regional Commission's FY14 CZM Program. The on-call consulting group also has initiated an effort to develop a regional Pilot Nutrient Trading Program within the GWRC service area. Discussions continue with DEQ, EPA and other stakeholders in developing this proposal. During the second quarter, GWRC sought out additional funding through National Fish and Wildlife Foundation Technical Grant Program to conduct a supply and demand study within the region to better determine the feasibility of developing the pilot program.

October 2014- GWRC Staff and Conservation Concepts retained a student intern to continue to populate the Access database with existing BMP records and to participate in fieldwork activities in Caroline County. Caroline County and Mary Washington University continued processing of Scanning BMP site plans. In addition, an educational training session for local government staff, SWCD staff and the private sector was conducted. An Environmental Program Coordinator meeting was also held.

November 2014 – The group initiated the GIS Infiltration Project and began QA & OC of the BMP Tracking System.

December 2014 – Data Collection of NRCS data and soil map information was gathered. In addition an Environmental Program Coordinator meeting was held.

January 2015 – Plans for a late winter forum has been deferred until later in the fiscal year to insure that worthwhile topics can be developed in order to provide the greatest benefit to attendees.

February 20145– GWRC and University of Mary Washington staff continue to assist Caroline County in refining their BMP inventory and tracking system. The project is approximately 95% complete at the end of the 2nd quarter.

March 2015 – With the BMP Tracking Project near completion, GWRC has hired an intern to begin working on the regional soils geodatabase project.

Final Products	% Completion	Anticipated Completion Date
Quarterly Coordination/Training	50%	9/30/15
BMP Inventory and Tracking System for Caroline County	50%	5/31/15
Infiltrative Soils GIS Layer for Caroline County	25%	9/30/15
VSMP Roundtable	25%	9/30/15
Benefits Accrued from Previous CZM Grants	50%	9/30/15

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,000.00
Richmond Regional PDC Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

Technical Assistance – RRPDC staff processed 26 environmental reviews and 10 intergovernmental reviews during the reporting period.

Coordination and Training – On October 2, 2014, RRPDC staff organized a Richmond Regional Water Quality Roundtable/ Environmental TAC meeting at the Charles City County Government Building. Locality staffs and Soil and Water Conservation District staffs were in attendance. DEQ staff provided a presentation on the revived efforts at Chesapeake Bay Preservation Act compliance reviews. A roundtable discussion on the topic of locality and SWCD coordination followed the presentation by DEQ staff. On October 30, 2014, RRPDC staff hosted the Virginia Outdoors Plan Richmond Regional Meeting. DCR staff presented the 2013 Virginia Outdoors Plan and web mapper. Feedback was also sought from local planners, recreation professionals and other stakeholders regarding data accuracy and updates for the Plan and web mapper. On January 8, 2015 RRPDC staff hosted an information session for Board members and locality staffs on the subject of biosolids and industrial residuals production, land application, science, legislation and permitting. Presenters included Henrico County Utilities staff, Virginia Tech soil science staff, DEQ staff, and House of Delegates Representative Chris Peace. RRPDC staff is planning a fourth meeting in early May.

Regional Existing Land Use Trends Analysis – RRPDC staff is in the process of reviewing the FY14 Regional Existing Land Use dataset, in preparation for analysis comparing the new to the previous dataset. Comparison will reveal how much land has been developed in the interim, and what (if any) natural resources have been lost to development by overlaying the regional Green Infrastructure layer. Analysis can also be used to guide development to less crucial areas by overlaying regional zoning and water/sewer service area information.

Green Infrastructure Base Map Update – RRPDC staff has defined an overall goal for the update and is in the process of defining data gaps. The Update process will start in earnest in the second half of the fiscal year.

Local Implementation Advocacy – RRPDC staff has provided technical expertise and guidance to this fledgling non-profit focused on transforming liabilities in Richmond’s urban communities to assets. Projects include the new Eastview trail, 2 new urban farms at Armstrong High and Hillside Court, and the 25th Street pocket park all on formerly vacant land. Projects incorporate environmental education, training and outdoor experiences to high school students. RRPDC staff works with Groundwork RVA staff and board to select projects which have a high probability of being executed and have a positive impact on environmental and water quality.

Benefits Accrued from Past CZM Grants – RRPDC staff catalogs relevant items for this report. The final report will be written and included in the grant final report at the end of the fiscal year.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance	60%	September 30, 2015
Coordination and Training	85%	September 30, 2015
Regional Existing Land Use Trends Analysis	85%	September 30, 2015
Green Infrastructure Base Map Update	40%	September 30, 2015
Local Implementation Advocacy	75%	September 30, 2015
Benefits Accrued from past CZM Grants	25%	September 30, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

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:		
	1/1/2015 12/31/2015 3/31/2016		

This grant officially started on January 1, 2015. During the period from January through March 2015, the Virginia Aquarium Stranding Response Program (VAQS) recorded 18 strandings in Virginia. There were 17 strandings recorded during the same period in 2014.

The VAQS Stranding Team responded to 12 marine mammal strandings in Virginia during this reporting period, seven cetaceans and five pinnipeds. Seven (58%) of the strandings were located in Virginia Beach, four (33%) were located on Virginia's eastern shore and one (9%) on the western shore of Chesapeake Bay north of the James River. The cetacean species included six bottlenose dolphin (*Tursiops truncatus*) and one common dolphin (*Delphinus delphis*). There were three pinniped species; one harbor seal (*Phoca vitulina*), three harp seal (*Pagophilus groenlandicus*) and one gray seal (*Halichoerus grypus*). Two harp seals and one gray seal stranded alive. One died on the beach, and the other two died after rehabilitation attempts were unsuccessful. The winter season was again very active for large whales and many individuals were identified in the coastal waters off Virginia Beach.

There were six sea turtle strandings recorded in Virginia during this reporting period, compared with six during the same period in 2014. The sea turtle species included three loggerhead (*Caretta caretta*) and three Kemp's ridley (*Lepidochelys kempii*). All of the stranded sea turtles were dead when they were found. The severe winter weather of this year contributed to the lack of winter strandings and potential survival of associated cold-stunned sea turtles. As a result, no live sea turtles were recovered during this period.

VAQS Staff attended five professional meetings and workshops and made several formal presentations during this reporting period. There were also educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area and to stranding network cooperators. Grant funded VAQS staff worked more than 500 hours, and Stranding Team volunteers contributed more than 2,000 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, 2015
Personnel and Cooperator Training Activities	15%	December 31, 2015
Public Education and Outreach Activities	20%	December 31, 2015

Task: 50	TBD	Current Federal Total:	\$31,988.00
PDC Competitive Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	10/1/2014 9/30/2015 12/31/2015		

The Virginia CZM Program offered a funding opportunity (at a minimum of \$10,000 per grant) on a competitive basis to coastal planning district commissions. The purpose of the funding opportunity was to provide PDCs a chance to address one or more 306 topics prioritized by the Virginia Coastal Policy Team (CPT): water quality, coastal resiliency, working waterfronts, habitat restoration and public access. Five projects were selected for funding under the 306 competition totaling \$140,000:

- Task 51 HRPDC Public Outreach & Adaptation Responses to SLR - \$12,000(see note 1)
- Task 52 MPPDC Captain Sinclair's Recreational Area Improvements - \$39,977
- Task 53 MPPDC Public Access Authority Private Land Giving Program - \$40,000
- Task 54 NNPDC Phase 2 Plant NNK Natives Campaign - \$16,035
- Task 55 RRPDC Brown's Islands Dam Walk - \$31,988 (see note 2)

1 - Task 51 was later cancelled by HRPDC in response to a request from the City of Virginia Beach. These funds will be reprogrammed and resubmitted to NOAA for approval.

2 - Task 55 has not yet been contracted because of delays in the project due to USACOE permitting issues and the City of Richmond's obtaining contractual services. A revised scope of work and all 306a documentation for this task will be submitted in the near future.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 51	Hampton Roads Planning District Commission			Current Federal Total:	\$12,000.00
Development and Implementation of Public Outreach and Adaptation Responses to Sea Level Rise					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Canceled
Cancelled	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

This task was cancelled at the request of HRPDC and the City of Virginia Beach. The \$12,000 allocated for this task will be reprogrammed and resubmitted to NOAA.

Task: 52	Middle Peninsula Planning District Commission			Current Federal Total:	\$40,000.00
Public Access Authority Private Land Giving Program Development for Enhancement of Public Water Access on the Middle Peninsula					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/15/2014	9/30/2015	12/31/2015		

Product #1: Research other public land gift programs. MPPDC staff conducted research on nine public and private land donation programs being implemented throughout the country. Characteristics of each program, such as outreach method, incentives offered, criteria for prospective land donations, etc is provided to identify most common elements and practices of a successful land donation program. MPPDC has conducted phone interviews with several land donation program coordinators to collect information on marketing and advertising methods other than web based marketing. The information will be compiled into best practices recommendations and included as a part of the final report.

Product #2: Technical research on Virginia Conservation Tax Credit Program and Charitable Donations to Public Entities. MPPDC staff initiated research on tax benefits for private waterfront land donations to the Middle Peninsula Chesapeake Bay Public Access Authority. MPPDC staff discussed and received a draft narrative of findings on tax benefits of a land (fee) donation to a public entity including various federal and state tax benefits from Neal Barber, President of Middle Peninsula Land Trust. MPPDC staff began the development of a short paper summarizing the significant Federal and Virginia tax incentives for donating land to the MPCBPAA. The information was provided to Strategic Communications Consultants by staff for consideration during development of a marketing strategy to provide a better understanding of available tax incentives to prospective landowners who may be considering a land donation.

Product #3: Altruistic Giving Media Outreach Campaign MPPDC staff drafted and executed a contract with Strategic Communications Consultants to provide a media campaign strategy that includes print and social media outreach, to place the idea of altruistic giving in front of potential donors or those professionals that are in direct contact with potential donors. MPPDC staff provided information to Ms. Krenn regarding tax benefit findings and met to discuss the process for incorporating private donations tax benefits into direct messaging to target audience.

Product #4: Donated Lands Legal Closing and Real-estate Legal Research Framework
MPPDC staff initiated the discussion of consolidated legal services on donations with Lee Stephens of Stephens Law Firm.

Product # 5: Quantify the benefit and loss of public donations
MPPDC staff has conducted research on revenue generated on current PAA owned property in comparison with tax assessment review for their respective localities to quantify the financial benefits of donating land for public use. Staff has also spoken with staff from the Trust for Public Lands regarding providing statistical information on the social value of public recreational lands.

Final Products	% Completion	Anticipated Completion Date
Hard Copy of research findings (final report)	50%	September 30, 2015
Hard Copy of research findings and social media publication findings (final report)	50%	September 30, 2015
Hard Copy of research findings (final report)	50%	September 30, 2015
Report on Legal Framework for advancing private giving for public benefit and including report on land acquired under grant (Final report)	50%	September 30, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 53	Middle Peninsula Planning District Commission	Current Federal Total:	\$39,977.00
Captain Sinclair's Recreational Area Water Access Improvement and Native Coastal Landscaping Project			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	2/1/2015 11/30/2015 2/29/2016		

Product #1: Middle Peninsula Planning District Commission (MPPDC) staff contacted Denise Greene of Sassafras Farm in Hayes, VA to ascertain her availability to provide services for the project. A meeting has been set for MPPDC staff and the landscaper to meet at the project site after which a contract for landscape design services will be drafted for approval by the Virginia Coastal Zone Management Program.

Product #2: MPPDC staff ordered materials for the construction of the 155 ft long x 8 ft wide open pile pier from Wood Preservers in Warsaw, VA, the wholesale distributor for the region. Materials ordered include lumber, bolts, washers and nails. The price quote given for lumber was reflective of a nonprofit project. A gangway to connect the pier to the floating dock was ordered from Atlantic Floating Docks of Cambridge, MD. Atlantic Floating Dock offered the lowest price for the gangway.

Product #3: Legal and title work completed for closing on donated Mathews County properties for project match. Donated properties include: (1) 18 acre parcel – Mathews tax map # 31-A-116B and (1) 3 acre parcel – Mathews tax map #31-A-200, known as Bethel Beach, and (2) parcels of 5.06 acres in aggregate – Mathews tax map #36-14-3&4, known as Winter Harbor.

Final Products	% Completion	Anticipated Completion Date
Product #1	1%	11/30/2015
Product #2	5%	6/30/2015
Product #3	90%	4/30/2015

Task: 54	Northern Neck Planning District Commission	Current Federal Total:	\$16,035.00
Phase 2 Implementation of the Plant NNK (Northern Neck) Natives Campaign			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/15/2014 9/30/2015 12/31/2015		

The Plant NNK Natives Campaign continues its outreach in several ways. Each month a native plant is featured as the “Plant of the Month” in local newspapers. The articles include a photo and description of the plant and refers readers to the Plant NNK Natives website for more information. The Northern Neck Chapter of the Virginia Native Plant Society also host meetings that are open to the public and advertised in the local newspapers. In October 2014, the Plant NNK Natives Project manager gave an overview of the progress on the campaign. On March 19, 2015, the Native Plant Society hosted a panel discussion entitled “Tools for Protecting Wetlands and Water Quality: The Role of Native Plants” in Wicomico Church. The session was open to the public. Approximately 50 people attended, including representatives from seven different environmental organizations. Panelists Brian Barnes, Environmental Codes Compliance Officer for Lancaster County, and Stuart McKenzie, Environmental Planner for Northern Neck Planning District Commission briefed the audience on the relationship between storm water and healthy watersheds, new regulations on storm water runoff and the vital role of native plants in the waterfront and home landscape. Kate Daniel, Executive Director of The Wetlands Project served as moderator.

The Plant NNK Natives Campaign completed work on three new documents during this period. All three were designed to encourage readers to plant and/or conserve native plants. All three documents will be accessible on the Plant NNK Natives website. Two were directed at providing information that is frequently requested at our outreach events: 1) Deer Resistant Native Plants for the Northern Neck—the campaign prepared this listing of deer resistant plants to help readers choose native plants to minimize damage from deer. 2) Salt Tolerant Native Plants for the Northern Neck—given that many community members live near the water and are subject to salt spray and/or flooding, the campaign prepared this listing of salt tolerant plants to help them choose the native plants that might work best in their own situation.

The third focuses on an important topic, Chesapeake Bay pollution reduction, 3) Native Plants for Northern Neck Bay-Friendly Properties-- The goal of this document is to encourage homeowners to reduce the volume of water that runs off their property and remove pollutants, such as nitrogen, phosphorus, sediment and oil based chemicals from cars before they are delivered to local streams and eventually reach the Chesapeake Bay. It gives an overview of many ways that a homeowner can accomplish this and highlights those practices that use native plants to reduce runoff and absorb pollutants. The Northern Neck Chapter of the Virginia Native Plant Society prepared a complimentary document that lists all the native plants suitable for rain gardens, which will be available online only. All three documents were printed in time to be distributed at the popular Gardening on the Northern Neck seminar held by the Master Gardeners, attended by hundreds of local gardeners. Work has already begun on the revisions to the guide to Native Plants on the Northern Neck and the mid-campaign survey. Work will continue on these throughout Spring 2015. In the summer, the final tasks will be completed.

Final Products	% Completion	Anticipated Completion Date
Plant NNK Natives Social Marketing Materials	100%	September 30, 2015
The NNK Native Plant Library: Demo Gardens on the Northern Neck	10%	September 30, 2015
Mid Campaign Assessment of Plant NNK Natives	10%	September 30, 2015
Final Report	50%	September 30, 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 91	TBD	Current Federal Total: \$30,000.00	
Routine Program Change and Section 309 Assessment/Strategy Development Assistance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Pending	
Proposed	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

This task has not yet been contracted. CZM staff met with the Director of the Coastal Policy Clinic at the William & Mary Law School about possible work preparing routine program change packages for submission to NOAA. Enforceable policies related to erosion and sediment control and to provisions of the Chesapeake Bay Preservation Act need to be updated, but further changes are likely during the 2016 session of the Virginia General Assembly. A program change to add state-listed threatened and endangered species will be submitted if agreement can be reached among all Virginia CZM network partner agencies.

Task: 92	Middle Peninsula Planning District Commission	Current Federal Total: \$50,000.00	
Policy Development for Virginia's Working Waterfronts Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

Product #1: Establish Steering Committee: Based on a survey given at the Virginia Working Waterfront Symposium in 2014, there were a handful of interested stakeholders that wanted to join the Working Waterfront Steering Committee. Therefore these interested stakeholders were invited to the kick off meeting of the Working Waterfront Steering Committee on January 14, 2015 in the Middle Peninsula Planning District Commission (MPPDC) boardroom in Saluda, VA. At this meeting, the Committee discussed the history of working waterfront projects within Tidewater Virginia as well as working waterfront policies and tools used across the nation that could be implemented locally. From the meeting, new issues and opportunities were addressed including (1) marinas' requirement of insurance for working boats that keep many vessels away from private slips and raises the question of "uninsured motorist" insurance as well as a state subsidized insurance program that would cover vessel moorage at private marinas, (2) the renewal of captain licenses at the federal level can be a long and difficult process, and (3) a state funded revolving loan program could help with water quality at marinas (ie. supplementing costs for stormwater management, etc).

Product #2: In-depth Research on Policy Tools: MPPDC staff has referenced the National Working Waterfront Coalition Network Toolkit that provides a list of tools utilized across the nation. This list of tools was organized into a handout to assist in the Committee's evaluation of working waterfront policies and tools that could work on their locality. Upon the Committee's review of the handout, there were only a handful of tools and policies that were identified as having a negative political connotation in Virginia that may not work in localities, including exaction, moratorium contract zoning and private use agreements. MPPDC staff also researched funding options that could assist with working waterfront related projects (ie. preservation, improvements, and construction).

Product #3: Report Stakeholder Meetings for Policy Tool Review: The kick-off meeting for the Working Waterfront Steering Committee was held on January 14, 2015 at the MPPDC in Saluda, VA. MPPDC Staff drafted meeting minutes that included outcomes. The next committee meeting has been scheduled for April 14, 2015 at 10:30am in the City of Poquoson.

Final Products	% Completion	Anticipated Completion Date
Product #1: Establish Steering Committee	80%	May 2015
Product #2: In-depth Research on Policy Tools	40%	September 2015
Product #3: Report Stakeholder Meetings for Policy Tool Review	50%	September 2015

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

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	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

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

- Accomack County: Expanded Shoreline Evolution Report
- Stafford County: Expanded Shoreline Evolution Report
- Gloucester County Shoreline Inventory (updated)
- Stafford County Shoreline Inventory (updated)
- James City County Shoreline Management Plan
- Stafford County Shoreline Management Plan

Progress toward deliverables during the last 6 months of this project have included:

- Completion of Shoreline Inventory for Gloucester County.
- Digital baseline shoreline for Stafford County Shoreline Inventory is underway
- Stafford County photos have been rectified and digitized in preparation for the expanded Shoreline Evolution Report analysis. The QA/QC is in progress.. The evolution study will include the following years: 1937, 1953, 1967, 1994, 2002, 2009, 2013.
- Image rectification has started for Accomack County expanded Shoreline Evolution Report

Final Products	% Completion	Anticipated Completion Date
Shoreline Evolution Reports	40%	August, 2015
Shoreline Inventories	65%	June, 2015
Shoreline Management Plans	0%	October, 2015

Task: 94	TBD	Current Federal Total: \$0.00	
Cumulative and Secondary Impacts: Land & Water Quality Protection Competitive Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Funds Transferred Out of Task	
Proposed	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

\$40,000 was transferred from this task to task 94.01 - Drainage and Roadside Ditching Authority.
 \$40,000 was transferred from this task to task 94.02 - Land & Water Quality Phase I: Policies for Managing Stormwater with Green Infrastructure \$24,140 was transferred from this task to task 95.03 - VA Marine Debris Reduction Plan Refinement & Implementation of Balloon Reduction Social Marketing Campaign
 \$33,860 was transferred from this task to task 95.04 - Offshore Energy Planning: Continued Documentation of Megafauna off Virginia's Coast Using Aerial Survey
 This leaves a \$0 balance in this task.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 94.01	Middle Peninsula Planning District Commission	Current Federal Total:	\$40,000.00
Drainage and Roadside Ditching Authority			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	11/1/2014 9/30/2015 12/31/2015		

Product #1: Gather Examples of Ditching Authorities: Middle Peninsula Planning District Commission (MPPDC) staff researched and gathered both domestic and international examples of Ditching Authorities and Programs that could be used as examples for the development of a Middle Peninsula Regional Ditching Authority. Domestic examples included Maryland's Public Drainage Associations, Ottawa County Road Commission in Michigan, and the Cornell Local Roads Program in New York. The International examples include the Roadex Network in the Northern Periphery of the European Union and the Ottawa Drainage Act and Conservation Authorities Act in Canada. MPPDC staff has begun to organize descriptions of the ditching authorities and programs, the funding mechanisms, as well as by-laws, if applicable.

Product #2: Research and Assess Enabling Authority: MPPDC staff has researched enabling authority under which a regional ditching authority could be developed. Based on initial research there were two sections of Virginia Administrative Code (VAC) that could allow for the development of a Drainage and Roadside Ditching Authority, including the Virginia Water and Waste Authorities Act (§15.2-5100-§15.2-5159) and Service District (§15.2-2400-§15.2-2403) code. Specifically it was found the Virginia Water and Waste Water Authorities Act may be used if a locality is seeking to create a public entity whereas the Service District code allows for the delegation of the power to another entity which may be considered private (i.e. a Community development authority). In essence, both allow for the Authority's creation but it really depends on the type of entity local elected officials prefer.

Final Products	% Completion	Anticipated Completion Date
Product #1: Gather Examples of Ditching Authorities	60%	September 2015
Product #2: Research and Assess Enabling Authority	50%	September 2015

Task: 94.02	Northern Virginia Regional Commission	Current Federal Total:	\$40,000.00
Land and Water Quality Protection Northern Virginia Phase I: Municipal Policies for Managing Stormwater with Green Infrastructure			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	11/1/2014 9/30/2015 12/31/2015		

Product #1

Title: Common Drivers and Regulatory Framework in Northern Virginia

Local tree canopy ordinances have been gathered and are currently being evaluated to determine if they are in line with the VDOF tree density per acre standards. A table with links to the pertinent section of county code has been created. The most current state and federal regulatory drivers, such as the 2014 TMDL Action Plan Guidance for MS4s, output from the Urban Stormwater Workgroup, and reports from Chesapeake Bay Program Expert Panels has also been compiled and is currently under review.

Product #2

Title: Green Infrastructure Practices that Make Sense in Northern Virginia

The analysis in this project will determine how green infrastructure can be utilized to satisfy regulatory requirements. NVRC's Coastal Program Manager hosted several meetings with scientists from George Mason University's GeoSciences Program to refine the modeling scope of work and secure an intern from their program to work on the project. The intern from George Mason University was selected and hired in February 2015.

The tools that are being tested for suitability include Community Viz software, ArcGIS, and iTree Hydro. NVRC's Coastal Program Manager attended a two-day iTree Hydro workshop to better understand how to utilize the program for this project. NVRC staff has done some preliminary analysis to create the GIS data necessary for the Community Viz model input. This preliminary work included mapping projected growth rates in Northern Virginia Transportation Area Zones to identify watersheds that may experience the highest increase in impervious surface coverage, as well as to determine the scenarios that will be modeled against the base land use. Land use and tree canopy data for the watersheds is also being collected for input into the i-Tree Hydro model.

Product # 3

Title: Green Infrastructure Policy and Implementation Strategy Recommendations

Progress on the policy and implementation strategy recommendations will be made when the regulatory research and modeling has been completed.

Final Products	% Completion	Anticipated Completion Date
Common Drivers and Regulatory Framework in Northern Virginia	25%	September 30, 2015
Green Infrastructure Practices that Make Sense in Northern Virginia	10%	September 30, 2015
Green Infrastructure Policy and Implementation Strategy Recommendations	0%	September 30, 2015

Year: 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?

Task: 95.01	Virginia Commonwealth University	Current Federal Total: \$60,000.00	
Virginia Ocean Plan: Stakeholder Engagement Coordinator			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

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

The OPSE Coordinator supported the VA Coastal Zone Management Program Manager by conducting outreach and communication to the commercial sector in a meaningful manner through an on-the-ground approach of direct engagement of commercial fishers. Through this direct, personal engagement process, the industries contacted included those from the spiny dogfish, conch, scallop, black seabass, menhaden and pelagic fisheries. The specific focus was the vetting of the Community at Sea Maps, as created by the Rutgers University to translate Vessel Trip Report (VTR) data with vessel permit data into a visually consumable product to display fishing intensity. The Community at Sea data also include the number of individuals on the vessel, sea time, home port and species landed as a means to display the effort of fishing as opposed to economic value of the landed fish. The OPSE Coordinator focused on the ports of Virginia Beach, Newport News, and Hampton to vet the grouped gear types of dredge, gillnet, and pots and traps. Direct communication with wholesalers, processors, fishing companies and captains was used to verify the validity of these data.

During the reporting period, the OPSE Coordinator prepared for the initiation of the Collaborative Fisheries Planning in the VA Wind Energy Area (WEA) Project through direct communication and coordination with project team members and industry representatives. The OPSE Coordinator began to communicate with representatives outside of the state of Virginia, guided by the interpreted data from the National Marine Fisheries Service (NMFS) Draft Fisheries Exposure report. Those data identify the ports from the states of North Carolina to Massachusetts which are fishing in the VA WEA. To identify those in New England, additional communication was had with the NROC Ocean Planning Director and representatives from national conservation NGOs in RI and MA. For North Carolina, the North Carolina Fisheries Association was reached to lay the foundation for work to commence under the BOEM-DMME Collaborative Fisheries Planning grant. The OPSE Coordinator will be supported primarily by the BOEM-DMME Collaborative Fisheries Planning grant during the project reporting period. However, a small amount from Section 309 will continue to support other ocean planning outreach.

Final Products	% Completion	Anticipated Completion Date
Report on Ocean Stakeholder Engagement and VA Ocean Users Needs	10%	Sept, 2015
Report on the Marine Debris Reduction Plan Implementation	0%	Sept, 2015

Task: 95.02	Dept. of Environmental Quality	Current Federal Total: \$15,860.00	
Virginia Ocean Plan: Community Specialist			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Canceled	
Cancelled	Start: 10/1/2014	End: 9/30/2015	Closeout: 12/31/2015

Funds (\$15,860) originally budgeted for this task were reprogrammed to task 95.03 - Virginia Marine Debris Reduction Plan Refinement and Implementation of Balloon Reduction Social Marketing Campaign.

Year: 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?

Task: 95.03	Longwood University	Current Federal Total:	\$65,000.00
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:		
	11/15/2014 12/31/2015 3/31/2016		

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

A. Refinement and Phase 1 implementation of the VA Marine Debris Reduction Plan. An on-line survey collected input about the mid-term (2017-2010) priorities for the VMDRP. The first meeting of the VA Marine Debris Advisory Committee was held in Richmond on March 23, during which survey results and mid-term priorities were discussed. It was decided that, for the time being, the Advisory Committee should be comprised of marine debris experts rather than legislators, although legislators may be important contributors to some aspects of the VMDRP implementation in the future. Progress on the VMDRP was shared with the Virginia CZM Partners, MARCO staff and representatives, VA Marine Debris Reduction Plan committee members, and participants of an EPA Trash Free Waters meeting.

B. Balloon Release & Social Marketing Campaign (partially funded by a NOAA Marine Debris Program Grant)

1. A review of literature about the impacts of balloon litter on wildlife was completed in this period, as was a review of publications about effective social marketing campaigns on environmental behavior issues.
2. Preliminary research to identify target audiences for upcoming social marketing campaign was done in this period including WHO plans balloon releases, WHERE they are released, WHY people conduct balloon releases, etc. (See NOAA MDP Grant report for more details).
3. A summary of this grant project and some of its early research were shared with many groups. The project was featured on several blogs, web sites and Facebook pages generating great interest.
4. Meetings and conference calls were held throughout the period with the social marketing expert Steve Raabe of OpinionWorks. NOAA's Marine Debris Program staff was engaged in these planning meetings. Note: The contribution of OpinionWorks to this project is one of the deliverables on this grant.
5. Given that schools often organize balloon releases, CVW spoke with VA Department of Education staff and obtained a list of principals for all public schools in Virginia. Longwood University was also approached about the possibility of modifying its student handbook to include a ban on the mass release of balloons. This could serve as a model for other schools and institutions.
6. Monitoring: Fisherman, Cedar, and Smith Islands were monitored for balloon litter during this period. Note: This monitoring is a deliverable of this grant.

In addition, Katie Register (CVW) attended a NOAA Marine Debris Program meeting in Maryland during which the role of the "citizen scientist" was discussed and availability of citizen science tools was reviewed.

Final Products	% Completion	Anticipated Completion Date
Product #1: Refinement and Implementation of Phase 1 of the VA Marine Debris Reduction Plan	30%	12-15-15
Product #2: Conduct Pre-Campaign Qualitative and Quantitative Research (balloon social marketing)	20%	8-1-15
Product #3: Production of Campaign Strategy Multi-Media Materials	0%	9-1-15
Product #4: Monitoring balloon debris	50%	12-15-15
Product #5: Final Report for A Rising Concern: Reducing Balloon Releases and Debris through a Social Marketing Campaign	0%	12-15-15

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2014

**Performance Report, Section A, for Cooperative Agreement No. NA14NOS4190141
for the period from #Name?**

Task: 95.04	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$100,000.00
Offshore Energy Planning: Continued Documentation of Megafauna off Virginia's Coast Using Aerial Survey			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	11/15/2014 3/31/2016 6/30/2016		

From January 2015 through March 31, 2015, VAMSC have completed four days of aerial survey effort in the Virginia Wind Energy Area (VA WEA). During this period, VAMSC conducted surveys in January and March. A total of 18 track lines (1,593 km) flown over 14.5 hours were covered in the Virginia survey area during the reporting period.

A total of 14 sightings of 58 cetaceans were encountered. Two of these sightings were recorded while off effort (i.e. not on a designated transect line and actively surveying, rather these two "off effort" cases were located just west of the beginning of the transect line) during the four days of aerial surveys in the study area. Four species of cetaceans were photo-documented. Total numbers for each of these four species included common dolphins (*Delphinus delphis*; n=24), humpback whales (*Megaptera novaeangliae*; n= 11), bottlenose dolphins (*Tursiops truncatus*; n=7), and north Atlantic right whales (NARW; *Eubalaena glacialis*; n=2). There were two sightings of 14 individual delphinids where species identification could not be established with 100% certainty, and they are listed as "unidentified delphinid." The NARW's were observed between approximately 25 and 50 miles off the coast of VA (see Figure 1 and 2). One NARW was located within the WEA and the other located just east of the WEA. Both whales were sighted in January swimming subsurface with their mouths open presumably feeding. These sightings and observations in January, February, and April of 2014 of NARW's utilizing the WEA (total number of individuals within the WEA=2) and the coast of VA exhibiting feeding behavior suggests the coast of VA serves as important habitat and is an area being seasonally utilized by NARW's during their migration.

No sea turtles were recorded during the current reporting period. Two sightings of two unidentified shark species were recorded in January. A total of 40 vessels were recorded including 18 large vessels (e.g. tankers, car carriers, container, and naval vessels) and 22 small vessels (e.g. recreational vessels- sail, parasail, sport fishing boats).

Aerial surveys will target months when whales have been documented off the coast of VA from previously collected aerial and acoustic data. Remaining funds will ensure coverage in months not previously surveyed. Upon completion, survey data will be analyzed and a final report will be produced including all aerial survey spatial data.

Final Products	% Completion	Anticipated Completion Date
Aerial surveys	30%	Feb 2016
Data Analysis	30%	31 March 2016
Contract report	10%	31 March 2016
Spatial data	20%	30 Apr 2016