

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from 

Task: 1.01	Dept. of Environmental Quality - Virginia Coastal Zone Management Program		Current Federal Total:	\$310,600.00
Coastal Program Management				
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:	
	10/1/2016	3/31/2018	6/30/2018	

Policy Team Products: A Coastal Policy Team (CPT) meeting was held on Jan 18, 2017. Meeting notes are available at <http://deq.state.va.us/Portals/0/DEQ/CoastalZoneManagement/CPT-Meeting-Summary-January-18-2017.pdf?ver=2017-03-09-145642-103>.

RPCs and Amendments: CZM staff helped develop draft narrative enforceable policies for the Department of Game and Inland Fisheries and the Department of Agriculture and Consumer Services, including new policies for state-listed threatened and endangered species of animals, plants and insects. Four meetings were held by the William & Mary Coastal Policy Center (CPC) supported by a CZM grant (FY 14 Task 91). CZM staff also worked with the CPC to draft scopes of work for FY 14 and 15 funds (\$30,000 each).

Grants Management & Reporting: The CZM Manager and Coastal Planner monitored grant activities through phone calls and visits. The Grants Coordinator and CZM Manager processed extension and budget amendment requests, 306 A documentation approvals, SAC removals, and reprogrammed funds using Grants Online.

FY 2017 CZM Grant Application: The FY 2017 Draft application was submitted to NOAA on March 22, 2017, and the Final application will be submitted on May 12, 2017 via the CAMMP and Grants.gov systems. Twelve PDC projects totalling \$618,242 were submitted for funding through a competitive process. The projects were scored and ranked by the CPT. FY 17 Award level will determine how many projects can be funded. The topics addressed through these grants include three areas of focus 1) Building Natural and Community Resiliency, 2) Preserving the Rural Landscape and Economy and 3) Resolving Near-shore Use Conflicts.

Section 309 PSM Grant Application: Virginia submitted a project of special merit application supplementing the Ocean Resources Strategy focusing on Ecologically Rich Areas. This project was not selected for funding.

Performance Measures: CZM collected Training activities and leveraged funds on the Semiannual Progress Reports. CZM also reported on projects that fulfilled the performance measures topic requirements for the period of October 1, 2015 – September 30 2016.

Ocean Planning: MARCO and RPB Planning Documents: The VA CZM Program Manager, as Chair of MARCO, led the monthly conference calls as well as a Mar 6-7 2017 Board meeting at which MARCO priorities were fine-tuned to be: maintaining the portal, identifying ERAs, raising awareness of corals & canyons, and developing a regional applied science research agenda. During this period the MARCO staff was downsized for efficiency. The communications and GIS staff were let go. GIS/Portal work was contracted to Nick Napoli who also does portal work for the northeast.

Participated in Feb 22-23 MID-A Portal retreat in DC to discuss incorporation of portal data and use in OAP actions and work groups. She continued overseeing two MARCO contracts (marine life data synthesis and a Regional Coastal Resilience grant).

The Mid-Atlantic Ocean Action Plan was submitted to the National Ocean Council on Oct 31 and certified by the NOC on Dec 7 during an RPB meeting. In January the CZM Manager became the RPB State Co-lead. She continued work as "champion" of the RPB's Healthy Ocean Ecosystem actions for the Ocean Plan as well as the Portal actions See: <https://www.boem.gov/MidA-New/>. She led or assisted planning for workshops on identifying ERAs (May 19), mapping species shifts (Apr 4-5), ocean acidification (May 9) and developing a regional marine debris strategy (Jun 7).

Outreach Materials: The CZM Program Manager and Coastal Planner planned story ideas for a fall 2017 issue of the CZM Magazine. PM served on Ocean Frontiers Film panels on Oct 6 and Feb 23. The Outreach Specialist updated the exhibit for the 2016 ES Birding and Wildlife Festival, the PowerPoint with students' artwork and the introductory PowerPoint that the teachers present to their students for the Art Contest.

Events Sponsorship: For the October 2016 Birding Festival, the CZM Program Manager and Outreach Specialist prepared the poster, an exhibit and the student artwork prizes. The awards were presented by the PM at the festival's opening reception and the OS managed the photography contest. PM participated in a Nov 29 festival committee at which decision was made to turn over festival to Sunset Beach Resort and 2 contractors. Festival will become a public/private partnership.

312 Metrics: 312 Metrics information on Seaside Habitat Restoration (Eelgrass Planted and Bay Scallops Released) and Shoreline Management Plans was collected from the Virginia Institute of Marine Science (VIMS) and submitted through the Section B report to NOAA on October 30, 2016.

Coastal Partners Workshop: The Biennial Coastal Partners Workshop was held November 16-17. See: <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/ReportsPublications/2016VirginiaCoastalPartnersWorkshopPresentations.aspx>.

Program Representation: Program Manager gave ocean planning talk to ~140 DEQ staff on Feb 6; spoke on panel for Ocean Frontiers film to 260 at VA Aquarium on Feb 8; participated in Mar 2-3 PMM meeting; met with Sea Grant grad students to share career path story Mar 10; spoke at Mar 22 VA Water Monitoring Council conference to ~120 on related CZM grants. Coastal Planner committed to speak on development of VA Working Waterfronts Plan and participate on a WW panel at Environment Virginia Symposium taking place April 5.

Final Products	% Completion	Anticipated Completion Date
Policy Team Products	50%	Sep 30 2017
RPCs and Amendments	50%	Sep 30 2017
Grant Management & Reporting	50%	Sep 30 2017

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2016

Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

FY 2017 CZM Grant Application	75%	May 5 2017
Section 309 PSM Grant Application	100%	
Performance Measures	0%	Sep 30 2017
Ocean Planning Documents	50%	Sep 30 2017
Outreach Materials	25%	Sep 30 2017
Events Sponsorship	75%	Sep 30 2017
312 Metrics	50%	Sep 30 2017
Coastal Partners Workshop	100%	
Program Representation	50%	Sep 30 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 1.02	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$97,000.00
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:		
	10/1/2016	9/30/2017	12/31/2017		

General Outreach Coordination – Organized and presented at a session on VACZM’s native plant marketing projects at the Nov 2016 Coastal Partners Workshop – all PP’s from the workshop posted at www.deq.virginia.gov/Programs/CoastalZoneManagement/ReportsPublications/2016VirginiaCoastalPartnersWorkshopPresentations.aspx Publication work included working with CZM staff and partners on: the VACZM Chapter for the 2016 DEQ 305(b)/303(d) Water Quality Assessment Integrated Report; reprint of Eastern Shore beach nesting bird brochure; and CSO fact sheet on Virginia’s FY15 funding. Website work included updates to better highlight program successes and working with staff to provide feedback on NOAA pages highlighting VACZM’s project successes, and drafting additional possible stories for the site. Attended DEQ Social Media-communication planning training in March, and worked with DEQ PR staff on VACZM facebook posts. Drafted production timeline and story list with staff for Spring/Summer 2017 issue of magazine - targeted release on-line is August 14 and in print by August 25. Began planning with DEQ staff and Clean Virginia Waterways staff on a joint exhibit at the first annual Back to the Bay event in June at Mason Neck State Park, a new signature event of Ches Bay Awareness Week recognized by Virginia General Assembly. Provided language, images and review for interpretive signage to be installed on Brown’s Island as part of a CZM funded public access project (FY 14, Task 55).

Marine debris reduction outreach strategy – Worked with Clean VA Waterways on logistical planning for a Community-Based Social Marketing Workshop to be led by Doug McKenzie-Mohr in June to build capacity of partners engaged in future marine debris reduction campaigns.

- Balloon debris reduction campaign project (CZM and FY14 NOAA MD funds)– CZM and Clean Virginia Waterways staff decided to first focus on releases associated with celebratory events – specifically weddings – and outlined a campaign strategy to convey positive messages and behavior to a bridal audience, which will also engage wedding planners and venues. Although CZM and CVW staff was able to conduct on-campus interviews at George Mason U, barriers to effectively reaching students at other schools led the partners to re-assess an earlier plan to develop and pilot two social marketing strategies. To refine the strategy and develop multi-media materials for campaign implementation, CZM staff specifically: developed message boards for testing at two bridal shows in Hampton Roads region (Jan & Feb), as well as a follow-up survey, and wrote analysis; designed an ad for a Spring 2017 regional bridal magazine; with partners developed new website (JoyfulSendoff.org), as well as a scope of work with a photographer/videographer for additional imagery for multi-media (which will include visuals for alternatives for other celebratory events). Presented on the status of the project at a January Virginia Marine Debris Reduction Team meeting.

Native plant marketing and conservation landscaping efforts – Organized a Virginia Native Plants Marketing Partnership meeting at DEQ to brief and request feedback from state agencies on the Partnership’s draft Action Plan and to gain a commitment to work together on a process for implementing protocols or guidelines for native plant use on state lands, with the Commonwealth leading by example. Agencies’ reps attending were in agreement. Deputy Sec of Natural Resources, also in attendance, noted that the administration is supportive of this effort, and CZM has been asked to draft language for an EO to provide the SNR for the Governor’s consideration. Growers and plant providers at the 2017 Mid-Atlantic Nursery Trade Show said demand for natives is increasing, in part due to government requirements.

Regional native plant marketing work included:

- Worked with regional partners to refine the Plant Central Rapp Natives campaign and prepare for the campaign launch, including design of the campaign logo, a campaign exhibit, website (www.PlantCentralRappNatives.org) and a new regional plant guide (to be published in April). CZM funds to print the guide leveraged funds from Stafford County (\$2,500), Prince William Wildflower Society (\$500) and an anonymous donor (\$1,000).
- Redesign of Northern Virginia native plant guide (to be published in April). This guide is being sold, and funds collected for a reprint have leveraged additional funds from the VA Dept of Game and Inland Fisheries (\$2,500) and local chapter of the Virginia Native Plant Society (\$1,000).
- Designed a new regional native plant guide for Southeast Virginia (published in October under FY13, Task 1.03). After an article appeared in the Virginian-Pilot in Nov (http://pilotonline.com/life/greener-living-book-on-native-plants-is-a-gift-for/article_58e0b6ff-da36-505a-9983-57ea4b29ccef.htm), received over 1,000 e-mails within a week for a copy of the guide. Guide also received a favorable review in the Botanical Society of America’s Spring 2017 Plant Science Bulletin (<http://cms.botany.org/file.php?file=SiteAssets/publications/psb/issues/PSB-2017-63-1.pdf>). Over 14,500 copies have been distributed, and a waiting list for copies is growing. Began working with partners on raising contributions for a 2nd printing, and thus far funds have been committed by DGIF (\$2,500), Hampton Roads Storm Committee (\$2,000), Lynnhaven River Now (\$1,000), CBF (\$250), Wetlands Watch (\$500), two local VNPS chapters (\$1,000), and Virginia Tech (\$500). A large regional grower also expressed an interest in contributing. A local partner with a publishing business has agreed to serve as the fiscal agent so that the guide can be sold to support future reprints.
- Revised and reprinted Eastern Shore regional guide in December. CZM funds (FY14 Task 1.03 - \$4,921.54) for printing leveraged DEQ water quality grant funds (\$1,699.46). Both ES and SEVA guide were highlighted in an article in Citizens for a Better Eastern Shore Newsletter (Feb).
- Presented a webinar on native plant benefits and marketing for the Virginia Nursery and Landscape Association (Jan; posted on VNLA website for continuing education credit). An ad on habitat benefits of natives, designed and funded by CZM, appeared in the Jan/Feb 2017 VNLA newsletter.
- Presented to the HRPDC Regional Environmental Committee on the Virginia Native Plants Marketing Partnership and coastal regional marketing efforts, including the Southeast native plant guide (Dec).
- Began development of a new website – www.PlantVirginiaNatives.org to highlight the Virginia Native Plants Marketing Partnership and what the partners have to offer, with the hope that the site will grow as a hub for native plant related sites and info, especially Virginia specific, and any new state-wide marketing initiatives put forward through the partnership.

Final Products	% Completion	Anticipated Completion Date
Outreach and Social Marketing Strategies	50%	9-30-17
Printed Media	50%	9-30-17

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Events and Training	50%	9-30-17
Electronic Media	50%	9-30-17

Task: 1.03 Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research Re Current Federal Total: \$114,277.00
Coastal Management Support

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2016	9/30/2017	12/31/2017		

Policy Team Products: The Coastal Planner made presentations on the Section 309 Coastal Hazards Strategy and development of narrative enforceable policies at the Jan. 18, 2017 Coastal Policy Team meeting.

RPCs and Amendments: The Coastal Planner managed the grant to the Coastal Policy Center and participated in the process of drafting narrative policies for the Department of Game and Inland Fisheries and Department of Agriculture and Consumer Services. He also worked with the Center to develop scopes of work for other grants to continue drafting narrative policies.

Grants Management and Reporting: The Coastal Planner monitored grant activities through phone calls and visits and reviewed extension and budget amendment requests, 306 A documentation and proposals to reprogram funds.

FY 2017 CZM Grant Application: The Coastal Planner helped develop the FY 2017 Draft application, which was submitted to NOAA on March 22, 2017.

Section 309 PSM Grant Application: No Coastal Hazard Strategy projects were submitted by Virginia CZM Program partners for submission.

Performance Measures: The Coastal Planner will help report on projects Virginia CZM performance measures at the end of the grant year.

MARCO Climate Change Action Team: The Coastal Planner participated in monthly calls and reviewed grant deliverables from the Environmental Law Institute and the National Wildlife Federation. He also participated in the the newly formed mid-Atlantic ocean acidification network.

Outreach Materials: The Coastal Planner helped develop the story list for the next Coastal Zone Management magazine.

Event Sponsorship: The Virginia Beach Watersheds Forum was not held this year. Work supporting other events, such as the MACAN workshop, will be substituted.

312 Metrics: The Coastal Planner collected 312 Metrics information on Shoreline Management Plans from the Virginia Institute of Marine Science. The information was submitted through the Section B report to NOAA on October 30, 2016.

Coastal Partners Workshop: The Coastal Planner helped organize and moderated sessions on climate change and federal consistency.

Program Representation: The Coastal Planner participated in periodic calls for the Chesapeake Sentinel Site Cooperative and was added as a member of the Chesapeake Bay Climate Resiliency Workgroup.

Final Products	% Completion	Anticipated Completion Date
Policy Team Products	50	Sep 30, 2017
RPCs & Amendments	50	Sep 30, 2017
Grants Management & Reporting	50	Sep 30, 2017
FY 17 Grant Application	75	May 5, 2017
Section 309 PSM Grant Application	100	Dec 31, 2016
Performance Measures	0	Sep 30, 2017
MARCO CCAT	50	Sep 30, 2017
Outreach Materials	10	Sep 30, 2017
Events Sponsorship	0	Sep 30, 2017
312 Metrics	50	Sep 30, 2017
Coastal Partners' Workshop	100	Nov 30, 2016
Program Representation	50	Sep 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 1.04	Virginia Commonwealth University	Current Federal Total:	\$99,086.00
Coastal Management GIS Support and Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

VCU CES staff: -Performed Coastal Gems maintenance including installing software/security updates and refreshing map services as necessary. From October 1, 2016 to March 31, 2016, Coastal GEMS received 680 visits from 444 unique visitors resulting in 781 page views and an average session duration of 51 seconds. Coastal GEMS layers updated during the grant period include: Current Population, Population Change, Conservation Lands, SAV Coverage, and Public Access. Coastal GEMS can be accessed online at: www.coastalgems.org

The Coastal GIS Coordinator: -Secured tabular and spatial data updates for five current Coastal GEMS layers from data providers and processed and/or prepared data for effective display on Coastal GEMS. Provided symbolized map packages to VCU CES staff to update Coastal GEMS map services and updated Coastal GEMS factsheets as necessary

-Responded to Coastal GEMS data and information requests including: providing spatial data in requested formats to Middle Peninsula Planning District Commission staff, ANPDC Coastal Resources staff, Open Road Renewables staff, OneEnergy Renewables staff, VIMS Ph.D. student, and VCU Graduate student

-Continued project management work on CZM grants to update the Coastal VEVA dataset including leading conference calls to discuss completion of FY14 deliverables and requesting extension to allow for necessary data sharing among DCR-DNH, DGIF, and VCU CES, and working with DCR-DNH staff on FY17 proposal to update the VaNLA dataset

-Assisted VA CZM staff with Coastal Partners Workshop including: researching solutions to allow for live polling of workshop participants, organizing/moderating session on mapping conservation priorities, and loading all presentations/running AV

-Worked with VCU CES staff on survey of potential Coastal VEVA users including completing draft survey recipients contact list and reviewing and editing survey questions and survey logic design

-Continued work on ocean planning efforts including: working with MARCO staff to create a single dataset of ocean acidification monitoring sites along the mid-Atlantic coast with a common set of attributes, working with Mid-Atlantic Ocean Plan Non-Consumptive Recreation Action workgroup on a coastal use survey, and running webinar to review documentation from and explain participatory GIS recreational use workshop and data processing methodology to MARCO GIS staff

-Produced maps as requested by VA CZM staff and partners including: map for Eastern Shore Birding Festival showing the locations of field trips, a map layout for CSO publication comparing current eelgrass coverage in seaside bays on Virginia's Eastern shore to coverage before seeding began, a labeled map layout for Central Rappahannock Native Plant Guide showing the geographic extent and physiographic provinces covered by the guide, maps for 306A documentation and SHPO clearance for FY16 Task 10 - Seaside Restoration, and updates to four maps used to enforce rotational oyster harvest areas in the Rappahannock as well as two overview maps used by VMRC staff in presentations and reports

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Application Maintenance	50%	September 30, 2017
Coastal GEMS Data Management	50%	September 30, 2017
Coastal GIS Coordination	50%	September 30, 2017
Coastal GEMS Training and Outreach	50%	September 30, 2017
GIS Map Products and Services	50%	September 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 2	Dept. of Environmental Quality	Current Federal Total:	\$207,800.00
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:		
	10/1/2016 9/30/2017 12/31/2017		

During the period of October 1, 2016 and March 31, 2017, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 95 development projects and management plans for consistency with the Virginia Coastal Zone Management Program (VCP). This represents 75% of the total amount of projects reviewed (127) during this period. Major state projects accounted for 20 projects; 6 were State Corporation Commission reviews, 6 were National Environmental Policy Act (NEPA) documents without a federal consistency component, 51 were federal actions, and 44 were federally funded projects. The 51 federal actions included 30 federal agency activities, 21 federal licenses and approvals, and 0 outer continental shelf projects. The 30 federal agency activities included 7 projects submitted under the residual category pursuant to the federal consistency regulation (15 CFR 930.31©), which consisted of U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects. All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines.

The Fiscal Year 2016 grant included a contractual amount of \$2,250 to allow the electronic scanning of historic federal consistency review files. The scanning of these files will result in more secure file retention. This contractual amount supports a project started in the Fiscal Year 2015 budget. OEIR intends to deliver the final product (completion of scanning of 10 boxes of files) by the end of the grant (September 30, 2017).

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

Final Products	% Completion	Anticipated Completion Date
Federal consistency, Sections A and B Semiannual Reports	50%	September 30, 2017
Consistency Information/Outreach Efforts	50%	September 30, 2017

Task: 3	Dept. of Environmental Quality	Current Federal Total:	\$0.00
Water Quality Improvement Fund (WQIF) Match- City of Hopewell Wastewater Treatment Plant Nutrient Removal Upgrade			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

Construction of the City of Hopewell's wastewater treatment plant upgrade with nutrient removal technology is nearing completion. The project began in July 2014 and is scheduled for completion by July 2017. To-date, \$45,122,063 of the \$49,129,657 state grant has been paid to the City.

In the period since October 2016, reimbursements totaling \$3,148,946 have been made to the City for this project, which exceeds the \$908,825 in State General Funds needed to provide a match for the Coastal Zone Management Program.

Final Products	% Completion	Anticipated Completion Date
Certificate to Operate – City of Hopewell nutrient reduction upgrade	85%	July 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 4	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:		
	10/1/2016 9/30/2017 12/31/2017		

During the reporting period, VMRC received a total of 1009 joint permit applications. Actions were completed on 946 projects, some of which were received prior to the reporting period. During the reporting period, 131 compliance inspections were conducted for previously issued permits. Also, 31 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 260 projects involving tidal wetlands. Of this total, 205 were approved as proposed, 47 were approved as modified, 1 was denied, 4 are pending, 1 was inactivated, 4 no permit was required, and 40 required compensation either on or off site (18), or through payment of an in lieu fee (22) accounting for 10,723 square feet of tidal wetland impacts.

Final Products	% Completion	Anticipated Completion Date
1. Permit Program	50%	September 2017
2. Compliance Evaluation	24%	September 2017

Task: 5	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

-The Locality Liaison held Natural Heritage Data Explorer (NHDE) training sessions in December 2016 and January 2017, for one consultant and one locality. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the Virginia ConservationVision, Landscape, the Virginia Wetlands Catalog, Virginia Ecological Value Assessment (VEVA) and hands-on training on the Natural Heritage Data Explorer (NHDE), which includes the Species and Community Database Search, conservation lands information and project review preliminary screening functions.

-For October 1, 2016 to March 31, 2017, 451 projects were reviewed for impacts to natural heritage resources in the coastal zone (42% of the projects reviewed statewide). 189 projects were submitted through NHDE representing 42% of the coastal projects submitted. Solar facilities continue to be proposed in the coastal zone with eight new projects submitted during this period as are cell towers with 38 reviewed within the last six months. DCR-Planning and Recreation Resources developed 3 state park master plans in the coastal zone, coordinating with Natural Heritage for natural heritage resource locations, and one national park was reviewed.

- 93% of the localities, 100% of the Planning District Commissions and 73% of the Land Trusts in the coastal zone have Natural Heritage data. The website map (http://www.dcr.virginia.gov/natural_heritage/localitiesmap.shtml) on the Local Assistance webpage) displaying localities with natural heritage data was updated reflecting the current status. With the assistance of the Natural Heritage Database Manager, the Locality Liaison also posted two new coastal species highlights on the Local Assistance webpage (<http://www.dcr.virginia.gov/natural-heritage/localityliaison>).

-As part of the upgrade to NHDE Version 2.0, the Locality Liaison has worked with staff to test the functionality of the new version of the website. Testing has included the project submissions, map making functions and the creation and management of subscriptions.

Final Products	% Completion	Anticipated Completion Date
Project Review	50%	September 30, 2017
Local Assistance Program Presentations	33%	September 30, 2017
Improvements to Natural Heritage Tools	50%	September 30, 2017
Final Report	0%	November 15, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 6	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

Product #1, General Technical Guidance:

The Wetlands Program continues to provide general technical guidance to both the general public and regulatory and non-regulatory authorities and other VIMS offices with regard to tidal shorelines. CCRM routinely reviews all Joint Permit Applications involving shoreline erosion control activities advertised on local wetlands board agendas for the preferred shoreline best management practice derived from the CCRMP's (<http://ccrm.vims.edu/ccrmp/index.html>) and/or the applicable CCRM Decision Trees (<http://ccrm.vims.edu/decisiontree/index.html>); and compares the proposed project and approved decision with the recommended preferred management approach. Results are tracked in a database. In addition, other advisory information requests were responded to (via phone and email) covering a variety of coastal management issues. All technical advice continues to be tracked in a database maintained under this grant.

JPA Fidelity Reviews = 214

Living Shoreline Advice = 12 (3 site visits)

Other Advisory Information Requests (climate change, mitigation, etc.) = 33

Technical Guidance Total = 45

Product #2, Outreach Education:

CCRM e-News December 2016 (Living Shorelines Book & Plant Guide, Chesapeake Bay Comp Plan, GCA Scholarship)

CCRM e-News February 2017 (Tidal Wetlands Workshop Save the Date, new CCRMPs, Living Shoreline Finance Program, VA Flood Risk Tool, Nationwide Permits, Coastal Partners workshop follow-up)

CCRM is in the process of planning our annual Tidal Wetlands Workshop. "Sustainable Shorelines in Action: Successful Applications & Incentives" has been scheduled for May 2nd, 2017. The planned program includes presentations by CCRM, VMRC, Army Corps of Engineers, DEQ, SWCD, Middle Peninsula Planning District Commission, and Wetlands Watch all related to permitting, financial, and regional scale incentives for sustainable shoreline best practices. The workshop will be held at the College of William & Mary instead of the VIMS campus.

A topic has been selected and content layout has started for the next edition of Rivers & Coast. The Summer 2017 edition will focus on a new 'Adapt VA Portal'. This web site contains a variety of supporting information and tools for local governments to assist them with implementing adaptations for climate change, sea level rise, recurrent flooding, and coastal resource management.

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 115 participants.

Final Products	% Completion	Anticipated Completion Date
Product #1 – Technical Guidance <input type="checkbox"/>	50%	September 30, 2017
Product #2 – Education/ Outreach <input type="checkbox"/>	45%	September 30, 2017

Task: 7	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2016 Submerged Aquatic Vegetation Distribution and Abundance Survey			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2016	End: 12/31/2017	Closeout: 3/31/2018

VIMS successfully completed the acquisition of aerial photographs of the Chesapeake Bay and tributaries for the 2016 SAV annual survey. The survey was incomplete because of airspace restrictions of several portions of the bay. Also, because of weather constraints VIMS was unable to acquire imagery of the coastal bays in 2016.

VIMS also successfully completed ortho-rectifying all the photography and mosaicing all the flightlines. VIMS has completed 99% of the photointerpretation and analysis and expect to submit the final report the first week of April. Maps completed for the 2016 work can now be viewed at:

<http://web.vims.edu/bio/sav/sav16/index.html> and also on VIMS' interactive map: <http://web.vims.edu/bio/sav/maps.html>.

Final Products	% Completion	Anticipated Completion Date
Final Report	0%	Dec. 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 8	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$27,000.00
Healthy Waters Program in the Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

For the grant reporting period, the VA Department of Conservation and Recreation had not received an approved contract from the Virginia Commonwealth University.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Program Growth and Admin	0%	Sept, 2017
Healthy Waters Capacity Development	0%	Sept, 2017
Healthy Waters Data Analysis and Evaluation	0%	Sept, 2017
Estuarine Healthy Waters, Oyster replenishment in the Coastal Zone	0%	Sept, 2017

Task: 9	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$300,000.00
Eastern Shore Land Acquisition			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start: 10/1/2016	End: 3/31/2018	Closeout: 6/30/2018

The Southern Tip partners met on Nov 29 and Mar 28 to discuss land acquisition projects and other matters. Plans to acquire the Spady tract are progressing well. Zoning issues with the County have been resolved and the owner has permission to divide the parcel. An appraisal has been completed and it is expected that the 306A documentation will be submitted to NOAA for approval in May 2017. FY16 funds will be used to acquire a portion of the Spady tract (FY15 funds will be used to acquire another portion).

Task: 10	Virginia Institute of Marine Science	Current Federal Total:	\$160,249.00
Seaside Restoration			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 1/1/2017	End: 3/31/2018	Closeout: 6/30/2018

Eelgrass Restoration: Samples collected from the 2016 faunal surveys were being processed. Seed germination of seeds planted in the fall that were used in the 2016 seed broadcasts were monitored through the winter for successful germination. The SAV greenhouse and outdoor seed holding tanks were being prepared for the spring collection season.

Water Quality Monitoring Dataflow cruises for integrated measures of shallow water quality were recorded every 50 meters of the established cruise track (salinity, temperature, turbidity, chlorophyll fluorescence, pH, dissolved oxygen) which were successfully completed on 3/6/17 for the South Bay, Cobb Bay, Spider Crab Bay and Hog Island Bay restoration areas. Taking similar water quality measurements to the dataflow cruises using similar YSI sonde instruments, but at 15 minute intervals, the fixed, continuous water quality monitoring at the South Bay and Spider Crab Bay station sites were operational with no interruptions during this period. During each dataflow cruise and during each station visit for Sonde switch out, water samples were taken for later laboratory analysis of total suspended solids and extracted chlorophyll pigments. Additionally, measurements of salinity, temperature, turbidity, chlorophyll fluorescence, pH, dissolved oxygen were taken using a separate YSI sonde held adjacent to the in situ sonde for comparison. Telemetry of the 15 minute, fixed station data was also continuous during this period, and current data can be viewed at: <https://stormcentral.waterlog.com/public/vims> through the www.VECOS.org website.

Scallop Restoration: Broodstock was being maintained in preparation for the 2017 spawning season.

Final Products	% Completion	Anticipated Completion Date
Final Report	0%	Jan. 31, 2018

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 11	Virginia Commonwealth University	Current Federal Total:	\$70,554.00
Coastal VEVA Data Synthesis Update and Coastal GEMS Application Update			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

Although the original start date for this project was October 1, 2016, it was not signed into contract until February 9, 2017. No progress was made on project deliverables between February 9, 2017 and March 31, 2017, as staff were working to complete the related project, FY14 Task 13 (Coastal VEVA Components Update and Coastal GEMS Application Enhancements) during that time period. Work on all deliverables is being planned now and will begin in earnest on May 1, 2017.

Final Products	% Completion	Anticipated Completion Date
Updated Coastal VEVA Geospatial Data	0%	September 30, 2017
Coastal VEVA Educational Materials and Outreach Efforts	0%	September 30, 2017
Coastal GEMS Application Software and User Interface Updates	0%	September 30, 2017
Coastal GEMS Map Stories	0%	September 30, 2017
Coastal GEMS Landing Page	0%	September 30, 2017

Task: 12	Dept. of Game & Inland Fisheries	Current Federal Total:	\$30,000.00
Lower Chickahominy Watershed Herpetological Inventory			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

The lower Chickahominy River herpetological survey has been coming along nicely. The Virginia Department of Game and Inland Fisheries hired two field biologist assistants in February 2017 to work under the direction of the Agency' herpetologist. In February and early March, the team initiated the project by identifying areas that could be accessed and that had a variety of representative habitats (e.g., grassy wetlands, forested swamps, etc.). The survey areas include the Chickahominy Wildlife Management Area, New Kent Forestry Center, and Crawford State Forest, along with private lands where the team has been granted access permission. The team launched surveys in March. Survey methodologies include audio surveys for calling frogs, road-cruising at night after rain events, and "visual encounter surveys" (including flipping logs and other ground cover material). The team has also placed 65 sheets of tin across the study areas to facilitate snake surveys and has placed about 20 PVC pipes for treefrog surveys. Although the team has only completed the first 7-8 weeks of survey activities, and the peak activity for many species of reptiles and amphibians has not begun, they have already document 30 different species on the study sites.

Final Products	% Completion	Anticipated Completion Date
Field survey results	20%	September 15, 2017
Field survey maps	0%	September 30, 2017
Final report	0%	October 15, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 41	Accomack-Northampton Planning District Commission	Current Federal Total:	\$30,000.00
A-NPDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

Climate Adaptation Working Group Newsletters

A total of eleven biweekly CAWG Newsletters were distributed to over 500 subscribers between October 1 and the end of March. These include numerous research and news items. Newsletters will continue to be distributed biweekly. There are quarterly CAWG meetings scheduled for the second Tuesday of the months of May, August, and November at the VIMS ESL from 1-3pm. All newsletters and information about upcoming meetings and events can be found on the CAWG web page on the A-NPDC web site at the following link. <http://www.a-npdc.org/accomack-northampton-planning-district-commission/coastal-resources/climate-adaptation-working-group/>

Coastal Management Trainings

A-NPDC has successfully directed or trained during 5 events reaching approximately 750 people. Trainings focused on ground water, surface water quality planning, coastal hazards, and water access and events.

Technical Assistance

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

Ground Water Committee

A-NPDC held 5 Committee meetings, held one public Well & Septic Forum in December, and had an educational, interactive booth at the Accomack Watershed Festival. The Committee reviewed 1 groundwater withdrawal permit, completed reviews of research publications, and reviewed 3 new bills in the General Assembly session. The Committee maintained the Regional Ground Water Plan and 2 County Water Supply Plans, for the latter of which DEQ presented a compliance update. The Committee educated local governments on local susceptibility to saltwater intrusion and pursued the development of programs to monitor the hazard. The Committee continues to discuss issues and programs concerning surface water quality, natural hazards, and land stewardship in addition to groundwater.

Chincoteague Walking & Biking Tour of Historic Chincoteague Island Brochure

A-NPDC began the process of redeveloping the Chincoteague Walking and Biking Tour by acquiring updated GIS shape files and updating and consolidating the maps for the brochure. Staff has organized a meeting with stakeholders, including representatives from the Chincoteague Chamber of Commerce, Cultural Alliance, Town, and more, in mid-May. Staff has also reached out to the graphic designer and print company, and intends to have the brochure printed in June for distribution in July, in time for this season's peak tourist season.

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

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Newsletter Report	50%	9/30/2017
Coastal Management Training Report	40%	9/30/2017
Technical Assistance Report	50%	9/30/2017
Ground Water Committee Report	50%	9/30/2017
Chincoteague Walking & Biking Tour Brochure	40%	7/15/2017
Benefits Accrued from Prior CZM Grants Report	0%	9/30/2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
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:		
	10/1/2016 9/30/2017 12/31/2017		

(1) Crater PDC staff processed 11 environmental impact reviews for local, state, and federal projects. (2) Two coastal meeting/training sessions were held during the reporting period (10/12/16, 11/29/16). Topics of discussion were the Virginia Outdoors Plan and training on the Chesapeake Bay Preservation Act. (3) Crater PDC staff coordinated and administered regional review of the Appomattox River Trail and Signage Plans and the Virginia Outdoors Plan. (4) Commission staff participated in several environmental planning efforts pertaining to the Coastal Virginia Ecological Value Assessment (VEVA), the Chesapeake Bay Comprehensive Water Resources and Restoration Plan, Chesapeake Bay TMDL, the Albemarle-Chowan Watershed, and the Middle James Round Table. (5) Crater PDC staff continued to provide technical support to FOLAR – Friends of the Lower Appomattox River. This included hosting meetings, providing website maintenance, preparing brochures, and preparing and submitting grant proposals. Staff also assisted FOLAR with its 3/25/17 river cleanup day and its scheduled 4/29/17 RiverFest. (6) Staff continued work on maintaining and producing paper and internet versions of the Appomattox River Interpretive Guide.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	50%	9/30/17
Coastal Meetings	50%	9/30/17
Coastal Training	50%	9/30/17
FOLAR Assistance	50%	9/30/17
Benefits Accrued From Prior CZM Grants	50%	9/30/17

Task: 43	Hampton Roads Planning District Commission	Current Federal Total:	\$60,000.00
Hampton Roads Coastal Resources Management Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

Environmental Impact Review. No progress was made on this deliverable during the current period.

Public Information and Education. HRPDC staff maintained information on its website and provided regular briefings to local elected officials on the HRPDC Commission, local governing bodies, and to professional and civic organizations. During this period, four (4) entries related to coastal resources management were posted to the HRPDC website. HRPDC hosted one (1) APA/AICP Web Conference and helped coordinate one (1) Hampton Roads Adaptation Forums. HRPDC staff also helped coordinate and plan a workshop with FEMA and DCR staff scheduled for April 2017.

Regional Coordination Process. HRPDC staff facilitated monthly regional advisory committee meetings addressing wetlands, Chesapeake Bay issues, and other coastal and environmental issues. Through these committees, the localities develop regional consensus on state and federal regulatory and legislative issues, coordinate plans addressing these issues, and exchange information on program activities. During this period, the Regional Environmental Committee (REC) met five (5) times. Topics covered included regional studies and projects, green infrastructure projects, the restoration plan for the Eastern Branch of the Elizabeth River, watershed management, floodplain management, working waterfronts, the Chesapeake Bay Program, and stormwater management. The Coastal Resiliency Committee met two (2) times. Topics included administration of local floodplain management ordinances, the National Flood Insurance Program, Norfolk's Vision 2100, storm surge modeling, and partnerships with federal agencies.

Regional Technical Studies and Assistance. HRPDC staff discussed potential ideas for studies or other opportunities for local technical assistance.

Benefits Accrued from Prior CZM Grants. No progress was made on this deliverable during the current period.

Final Products	% Completion	Anticipated Completion Date
EIA/EIS and Coastal Consistency Review	0%	September 30, 2017
Public Information, Education, and Training	50%	September 30, 2017
Regional Coordination Process	50%	September 30, 2017
Regional Technical Studies and Special Projects	5%	September 30, 2017
Benefits Accrued from Prior CZM Grants	0%	September 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
MPPDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

Product #1: Coastal Management Analysis and Policy Support: Middle Peninsula Planning District Commission (MPPDC) staff provided analysis and policy assessment using a variety of approaches to assist and improve local and regional planning efforts. In particular, MPPDC staff worked with Delegate Keith Hodges concerning House Bills 1774, 2008, 2009 and 2012 that addressed outstanding stormwater issues impacting Chesapeake Bay Opt-out jurisdictions. MPPDC staff consulted with Virginia Conservation Network, AquaLaw, and the Virginia Association of Counties about these stormwater bills. In the 2017 General Assembly session, two bills were passed, including HB 1774 Stormwater Management; work group to examine ways to improve and HB 2009 Stormwater and Erosion management and administration of program by a certified third party.

Product #2: Local and State Planning Coordination: MPPDC staff convened monthly and quarterly meetings with local government administrators and local level planners. Local Government Administrators' meetings (6) included ongoing discussion related to Stormwater management legislation; Commonwealth's TMDL Watershed Implementation Plan 3 approach; VDH onsite sewage permit changes; and general discussion about the future economic vitality of rural coastal Virginia given the increasing State and Federal regulatory framework intended to manage growth and green and blue infrastructure across the rural coastal landscape.

Product #3: MPCBPAA Work Plan & Support for Online Facility Reservation System: MPPDC staff continued to work with the MPCBPAA to facilitate projects, provide research and data collection, as well as the altruistic giving program. MPPDC staff specifically consulted with Derek Green, Gloucester County Assessor, concerning multiple parcels owned by The Nature Conservancy (TNC), described as the Guinea Marsh islands. Approximately 200 acres have been removed from the parcel inventory within Gloucester. MPPDC staff has discussed land valuation and the classification of the property interest held by TNC and other land owners, and has partnered with McGuire Woods to gain pro bono legal support to transfer the Guinea marshes to the MPCBPAA.

Product #4: Benefits Accrued from Prior CZM Grants: MPPDC staff will begin work on this product in April.

Final Products	% Completion	Anticipated Completion Date
Product #1: Coastal Management Analysis and Policy Support	50%	September 2017
Product #2: Local and State Planning Coordination	50%	September 2017
Product #3: MP CBPAA Work Plan & Support for Online Facility Reservation System	50%	September 2017
Product #4: Benefits Accrued from Prior CZM Grants	0%	September 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 45	Northern Neck Planning District Commission	Current Federal Total:	\$30,000.00
Northern Neck Planning District Commission Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

NNPDC staff have continued to provide planning and technical support to local governments, the Northern Neck Land Conservancy, and the Northern Neck Master Gardener's Shoreline Evaluation Program. NNPDC staff held a local coordination and training meeting on 1-20-17 conducted in collaboration with DEQ regarding the Northern Neck Regional Water Supply Plan update. Among the topics discussed were the region being a groundwater management area and water supply planning efforts since the designation. Discussions also included compliance items, community water systems usage, residential and municipal water losses, existing water resources and water demand management. NNPDC staff held a local coordination and training meeting on 4-5-17 conducted in collaboration with Dewberry, VDEM and FEMA regarding the Northern Neck Regional Hazard Mitigation Plan (HMP) update. Among the topics discussed were agency programs and tools for hazard mitigation, non-regulatory flood risk products, the value of promoting hazard mitigation and the regional HMP. The HMP was reviewed in detail, and reports for each locality were disseminated for completion. NNPDC staff have coordinated with Richmond County and Friends of the Rappahannock to develop an additional water trail in Richmond County. Efforts have identified multiple tributaries which would make for excellent and interpretive water trails. The NNPDC has grant applications pending with VDEM and FEMA for funds to elevate 13 homes in the Northern Neck in order to remove them from the flood plain. NNPDC staff continues to provide information about the program for homeowners interested in elevating their homes. The Northern Neck Chesapeake Bay Public Access Authority published its "Donating Land for Public Access: Public & Tax Benefits" brochure (<http://northernneck.us/wp-content/uploads/2016/09/BROCHURE-NNPAA-2016.pdf>) and received its first donation, waterfront property in Lancaster County. In November, NNPDC staff attended the Virginia Coastal Partners Workshop in Richmond. NNPDC staff continued to encourage Rappahannock Community College (RCC) Workforce Development to include the course offering of a Watermen's Heritage Training class in the Fall-Winter 2016-17 schedule of class offerings. See page 13 of RCC's course catalog (<https://www.rappahannock.edu/wp-content/uploads/2016/09/RCC-WF-Fall16-Web.pdf>). NNPDC staff attended two management team meetings of the Virginia Oyster Trail (VOT), and promoted VOT participation to tourism stakeholders. NNPDC staff continue to administer the Assign-a-Highway Program, which from October 1, 2016 to March 31, 2017, collected 9.97 tons of litter along Northern Neck primary and secondary roads (<http://northernneck.us/assign-a-highway>). NNPDC staff have identified benefits accrued from products completed under previous VACZM grants.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50%	September 30, 2017
Local Coordination and Training	50%	September 30, 2017
Richmond County Water Trail	50%	September 30, 2017
Hazard Mitigation Assistance Home Elevation Program	50%	September 30, 2017
Northern Neck Chesapeake Bay Public Access Authority	50%	September 30, 2017
Watermen's Heritage Tourism Training	50%	September 30, 2017
Virginia Oyster Trail	50%	September 30, 2017
Assign-A-Highway Program	50%	September 30, 2017
Benefits Accrued from Previous VACZM Grants	50%	September 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
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	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2016</td> <td>9/30/2017</td> <td>12/31/2017</td> </tr> </table>	Start:	End:	Closeout:	10/1/2016	9/30/2017	12/31/2017	
Start:	End:	Closeout:						
10/1/2016	9/30/2017	12/31/2017						

Coordination & Training:

During the reporting period, Northern Virginia Regional Commission (NVRC) staff coordinated and implemented one rain garden workshop held on October 29 at the Fairlington Community Center in Arlington, VA. Through the workshop, 30 participants learned how to design, build, landscape, and maintain small-scale residential rain gardens. NVRC has offered these workshops since 2006 and they have proven to be instrumental in providing technical expertise and resources to support the application of stormwater best management practices on private properties. Additionally, the workshops serve to educate local government staff on designing residential rain gardens. Local residents, master gardeners, master naturalists, landscape designers and other interested parties attended the workshop that occurred during this reporting period. www.novaregion.org/raingardens

The Coastal Technical Assistance Program allows NVRC staff to be a part of the Virginia Coastal Policy Team (CPT). One CPT meeting was attended by NVRC during the reporting period on 1/18/2017. The TA Program also allows NVRC to participate in the Coastal Partners Workshop. NVRC staff gave a presentation on the Native Plants Social Marketing Campaign on November 17th, 2016.

NVRC also held a special workshop on the resiliency of urban forests to insect pests such as Emerald Ash Borer. Approximately 65 people attended.

Special Project – Northern Virginia Clean Water Partners:

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

A post-campaign survey will be conducted of 500 northern Virginia residents to measure the effectiveness of the campaign. A summary report for the campaign including the number of people who viewed the ads will be prepared and distributed to the Partners in September 2017 for inclusion in their annual MS4 reports. <http://www.onlyrain.org/>

NVRC staff hosted a Clean Water Partner's meeting on Dec. 20, 2016 which included presentations from three members of VA DEQ's stormwater program on Minimum Control Measures 1 and 2 – Outreach and Education Requirements.

EA/EIS/EIR Reviews:

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

Final Products	% Completion	Anticipated Completion Date
Coordination & Training	50%	09/30/2016
Special Project – Northern Virginia Clean Water Partners	50%	09/30/2016
Benefits accrued from prior CZM grants	50%	09/30/2016

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 47	George Washington Regional Commission			Current Federal Total:	\$30,000.00
George Washington Regional Commission Coastal Zone Management Assistance					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2016	9/30/2017	12/31/2017		

GWRC has been holding coordination/training meetings for the Regional Stormwater Managers Technical Committee and participating in Coastal PDC meetings with CZM staff. The Regional Stormwater Managers meetings are held for members to discuss topics of interest related to stormwater management and to improve understanding of stormwater regulations and best practices. Regional Stormwater Managers' meetings were held on December 12, 2016 and February 14, 2017. Meetings will continue to be held quarterly throughout the remainder of the grant cycle. A quarterly Coastal PDC meeting was held on October 19, 2016. The quarterly Coastal PDC meetings with CZM staff will continue throughout the remainder of the grant cycle.

GWRC has been creating a GIS data layer which identifies colonial swamp reclamation structures (drainage ditches, earthen berms and dams) within the Mattaponi watershed. GWRC is using aerial imagery to create this layer and will perform ground verification later in the grant cycle. This dataset will be completed during the next quarter.

Final Products	% Completion	Anticipated Completion Date
Minutes of coordination meetings, digital copies of training material, program, and financial reports	50%	9/30/2017
GIS data layer	25%	7/31/2017
Benefits Accrued	50%	9/30/2017

Task: 48	Richmond Regional Planning District Commission			Current Federal Total:	\$30,000.00
Richmond Regional Technical Assistance					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2016	9/30/2017	12/31/2017		

Technical Assistance – RRPDC staff have processed 24 environmental reviews and 10 intergovernmental reviews. RRPDC staff have also followed developments with the 2017 update of the Chesapeake Bay TMDL and the US Army Corps of Engineers Chesapeake Bay Comprehensive Plan.

RRPDC staff participate on the Technical Advisory Committee (TAC) for RVA H2O, the City of Richmond's integrated permit planning process. The TAC exists to allow the City and DEQ staff the opportunity to vet program and permit elements with technical experts and stakeholders. Three TAC meetings have been held so far during the grant year; meetings are held every 6 to 8 weeks. Throughout recent meetings, the TAC has developed goals and strategies for program implementation. These will be included in the integrated permit as appropriate.

RRPDC staff attended several Coastal Program related meetings including the Coastal Partners Workshop, a Coastal Policy Team Meeting, and a Coastal PDC meeting. RRPDC staff also attended the 2017 Virginia Water Monitoring Conference; information from that meeting will be shared with local staff at an upcoming RRPDC Environmental TAC meeting.

Coordination & Training – On October 6, 2017, RRPDC staff hosted a regional meeting for annual update and coordination between local staff, VDCR staff and other stakeholder organizations concerning the Virginia Outdoors Plan (VOP). VDCR staff facilitated a conversation about local and regional priority recreation and conservation projects. Attendees were also briefed on the planned VOP Demand survey and update of the VOP for 2018.

On November 29, 2017, RRPDC staff hosted a regional "Bay Act 101" workshop in coordination with Crater PDC staff; the meeting was held in Chesterfield County. DEQ staff presented information about the background of the Chesapeake Bay Preservation Act in Virginia, Bay Act compliance reviews, and recent changes to the Bay Act and associated regulations.

Local Implementation Advocacy – RRPDC staff have met with GroundworkRVA staff to finalize a project and task list for work during the grant year. RRPDC staff will aid the GroundworkRVA board and staff by mapping and summarizing socio-economic data for the area and population near the proposed East End trail. RRPDC staff will also geocode and map a list of completed and on-going projects.

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

Final Products	% Completion	Anticipated Completion Date
Technical Assistance	50%	9/30/17
Coordination & Training	50%	9/30/17
Local Implementation Advocacy	40%	9/30/17
Benefits Accrued	35%	9/30/17

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
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:		
	1/1/2017 12/31/2017 3/31/2018		

This grant started on January 1, 2017. From January through March 2017, the Virginia Aquarium Stranding Response Program (VAQS) recorded 32 strandings in Virginia. There were 24 strandings recorded during the same period in 2016.

The VAQS Stranding Team responded to 20 marine mammal strandings in Virginia during this reporting period, 16 cetaceans and four pinnipeds. Six (30%) of the strandings were located in Virginia Beach, one (0.5%) in Norfolk, four (20%) on the western shore of the Chesapeake Bay north of the James River, and nine (0.45%) on Virginia's eastern shore. The cetacean species included seven bottlenose dolphin (*Tursiops truncatus*), two harbor porpoise (*Phocoena phocoena*), six humpback whale (*Megaptera novaeangliae*) and one minke whale (*Balaenoptera acutorostrata*). There were two pinniped species, three harbor seals (*Phoca vitulina*) and one harp seal (*Pagophilus groenlandicus*). Four live stranding events occurred during this reporting period. In January, a humpback whale was reported entangled off Cape Henry in Virginia Beach. Observer video showed some interaction with gillnet gear, though there was no clear determination of entanglement. Follow-up inspection of fishing gear showed no major signs of entanglement or damaged gear. The whale apparently freed itself at some point and was not observed again. A live minke whale stranded in the mouth of York River in Mathews County. The injured, adult female, pregnant with an early fetus, also had evidence of entanglement and was euthanized at the site. Two harbor seals stranded in Virginia Beach in March. One was recovered and transported to the National Aquarium, and later to the Brigantine Marine Mammal Stranding Center in NJ, for further rehabilitation. The other seal was observed near Lynnhaven Inlet but never recovered. In addition, the warm winter season brought a record number of humpback strandings, with ship strike being identified as the probable cause of death for the whales that could be thoroughly examined.

There were 12 sea turtle strandings recorded in Virginia during this reporting period, compared with 14 during the same period in 2016. The sea turtle species included eight loggerhead (*Caretta caretta*), one Kemp's ridley (*Lepidochelys kempii*) and three green (*Chelonia mydas*). Nine (75%) of the stranded turtles were located on the eastern shore, one (8.3%) in Virginia Beach, one (8.3%) in Portsmouth, and one (8.3%) in Northumberland County. None of the sea turtles were alive when they stranded. The probable cause of stranding for four of the turtles was cold-stunning.

VAQS Staff attended professional meetings and workshops during this reporting period. There were also educational outreach presentations to groups in the Hampton Roads area. Stranding Team volunteers contributed more than 2,400 hours during this reporting period. A detailed list of all trainings, presentations and publications will be included in the final report.

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

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 50	George Washington Regional Commission	Current Federal Total:	\$26,593.00
Plant GW (Greater Rappahannock) Natives Campaign			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

With FY15 Technical Assistance funds, GWRC brought together partners interested in collaborating on a regional native plant campaign. In this task, GWRC continues to work with the native plants planning team to implement the campaign strategy developed during FY15. The campaign was renamed "Plant Central Rapp Natives" and a logo has been designed. GWRC divided the planning team into campaign workgroups to assist with implementing the various components of the campaign. These workgroups are: Campaign Launch Event, Guide Production, and Point of Sale Materials and Website.

The planning team decided to hold the official campaign launch in conjunction with the City of Fredericksburg's Earth Day Festival which will be held on April 22nd in Old Mill Park. The Plant Central Rapp Natives campaign is a sponsor of the festival and will have a booth at the event. GWRC has purchased the exhibit hardware for the booth and is working with CZM staff on the exhibit design.

A full color "Native Plants for Central Rappahannock Virginia" guide has been produced. The guide is 48 pages in length and showcases plants native to the region. The guide also includes information about the benefits of native plants and tips for planting in different types of landscapes.

GWRC has been working with the Point of Sale Materials workgroup to produce promotional materials for the campaign. Calling cards have been designed and purchased. These cards can be left at a plant provider when individuals are looking for a particular plant. Plant tags have been purchased which will help identify plants at providers that are native to the Central Rappahannock area. GWRC has designed signs which can be used at the campaign launch event to identify partners of the campaign. The signs will also be used at plant provider locations to promote the campaign. The Point of Sale Materials workgroup has discussed the campaign and available materials with native plant providers within the region.

GWRC is assisting CZM staff with setting up a Plant Virginia Natives website which will include pages for each of the native plants campaigns. The Plant Central Rapp Natives page will be expanded to several pages and serve as the campaign's main website. GWRC is working to get the Plant Central Rapp Natives pages finalized for the campaign launch.

Final Products	% Completion	Anticipated Completion Date
George Washington Regional Plant Guide	85%	4/20/2017
Campaign Promotional and Marketing Materials	70%	7/1/2017
Plant GW Natives Campaign Website	10%	9/30/2017
Plant GW Natives Final Report	0%	9/30/2017

Task: 51	Hampton Roads Planning District Commission	Current Federal Total:	\$19,994.00
Regional Strategic Plan for Public Access in Hampton Roads			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

During this grant period, the HRPDC staff

- Gathered existing public access GIS data from local, state (DCR, DGIF), and federal (National Park Service) agencies
- Assessed quality and content of GIS data edited where necessary
- Developed a comprehensive regional GIS database of current, planned, and identified potential public access sites based on existing and previous plans and efforts
- Gathered and reviewed existing public access plans (including NPS Chesapeake Bay Watershed Public Access Plan and 2013 Virginia Outdoors Plan) to identify best practices and recommendations

Final Products	% Completion	Anticipated Completion Date
Assessment of Plans, Policies, and Locations for Public Access	40%	September 30, 2017
Identification of Opportunities for Funding of Public Access Projects	0%	September 30, 2017
Mapping of Existing and Planned Public Access Locations and Trails	50%	September 30, 2017
Trails and Public Access Sites Maps/Pamphlets	0%	September 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 52	Middle Peninsula Planning District Commission	Current Federal Total:	\$40,000.00
Middle Peninsula Coastal Eco-Business Public & Private Operational Framework			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

Product #1: Guidelines for Eco-Business Expression of Interest – The Middle Peninsula Chesapeake Bay Public Access Authority (PAA) in partnership with Middle Peninsula Planning District Commission (MPPDC) staff created a document for eco-businesses to express interest in business development on PAA owned land. This document is based on the Queensland Eco-tourism Investment Opportunities Program. This document was presented to the PAA Board on December 9, 2016.

Product #2: Eco-Business Application Form - The PAA in partnership with MPPDC staff developed an Eco-Business Application Form based on the Queensland Eco-tourism Investment Opportunities Program. This document was presented to the PAA Board on December 9, 2016.

Product #3: Eco-Business Procurement Guidelines - The PAA in partnership with MPPDC staff developed Eco-Business Procurement Guidelines based on the Queensland Eco-tourism Investment Opportunities Program. This document was presented to the PAA Board on December 9, 2016.

Product #4: Eco-Business Best Practices Development Guidelines - The PAA in partnership with MPPDC staff developed Eco-Business Best Practices Development Guidelines based on the Queensland Eco-tourism Investment Opportunities Program. This document was presented to the PAA Board on December 9, 2016.

Product #5: Eco-Business Facilities and Implementation Framework - The PAA in partnership with MPPDC staff developed an Eco-Business Facilities and Implementation Framework based on the Queensland Eco-tourism Investment Opportunities Program. This document was presented to the PAA Board on December 9, 2016.

MPPDC staff are currently working with the Attorney General's office to understand the tax implications of having a private company rent land on PAA public land; conducting business operations at different locations in different localities (i.e. Mobile business operations); building, leasing and renting infrastructure for public and private business operations; as well as eco-business registered outside of the MP, but conducts mobile businesses on multiple PAA sites in different localities. Once staff hears back from the AG's office, then the project can proceed. MPPDC staff also worked with Steven Holberg, a MPPDC Commissioner and accountant, to create a white paper on tax implications of corporate donations to the PAA.

Final Products	% Completion	Anticipated Completion Date
Guidelines for Eco-Business Expression of Interest	85%	July 2017
Eco-Business Application Form	85%	July 2017
Eco-Business Procurement Guidelines	85%	July 2017
Eco-Business Best Practices Development Guidelines	85%	July 2017
Eco-Business Facilities and Implementation Framework	85%	July 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 53	Northern Virginia Regional Commission	Current Federal Total:	\$40,000.00
Northern Virginia's Roadmap to Resilience			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

Product #1 - Forum: Resiliency Planning for Northern Virginia

On November 14th, the Northern Virginia Regional Commission convened a one-day workshop focused on the development of a climate adaptation roadmap for Northern Virginia. The workshop brought together approximately 70 technical and policy experts from Northern Virginia's governmental (federal, state, regional and local), research and non-governmental climate communities in a facilitated group discussion devoted to:

-Framing current core economic, environmental, scientific and regulatory challenges concerning climate resiliency planning in Northern Virginia; and,

-Identifying and outlining core opportunities and activities for meaningful climate adaptation planning in the region.

The proceedings can be viewed here <https://www.novaregion.org/index.aspx?nid=1354>

Product #2 - Climate Resiliency Team

NVRC coalesced a group of interested stakeholders to form a Climate Resiliency Team for Northern Virginia. This team/workgroup is comprised of individuals representing different types of institutions in Northern Virginia (i.e. academic, non-governmental, and state, regional, and local governmental) and different frames of reference such as coastal planning, community development, education, emergency management, natural resource management, policy, urban planning, and public works.

NVRC has coordinated, facilitated, and provided leadership for two meetings of the Team to define the scope and planning horizon of the Roadmap to identify priority issues and capacity gaps associated with climate change and coastal hazards that need to be addressed in the Roadmap.

Product #3 Trans-Atlantic Applied Research Climate Adaptation Partnership

NVRC has met with the Embassy of Denmark to plan a half-day event focused on suitable transfer and adoption of policy and technical innovations from the European City of Copenhagen (Denmark). The event is currently planned for Fall of 2017.

Product #4 - Northern Virginia Climate Resilience Roadmap

The Climate Resiliency Team has met twice to identify predicted climate stressors and potential future conditions and to develop and review challenge statements from each participating agency. Challenge statements were provided by ten agencies in Northern Virginia that identified what stressors might impact their organizational ability, who will be impacted by the stressor, why it is important for the agency/county to address this stressor, and when the agency/county should take action. This information will be incorporated into the final "Roadmap".

Final Products

	% Completion	Anticipated Completion Date
Product #1 Forum: Resiliency Planning for Northern Virginia	100%	December 1, 2016
Product #2 - Climate Resiliency Team	40%	September 30, 2017
Product #3 Trans-Atlantic Applied Research Climate Adaptation Partnership	20%	August 30, 2017
Product #4 - Northern Virginia Climate Resilience Roadmap	25%	September 30, 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 54	Northern Virginia Regional Commission	Current Federal Total:	\$31,847.00
Northern Virginia Native Plant Social Marketing Campaign ("Plant NoVA Natives")			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

Product #1 Campaign Implementation and Community Leader Coordination

During the reporting period, Northern Virginia Regional Commission (NVRC) staff coordinated approximately 200 volunteers to promote the campaign at various community events. The volunteer coordinator ensured the Community Leader Program was implemented in line with the Plant NoVA Natives campaign strategy and message. NVRC staff also tracked, measured, and reported the impact of the Community Leader Program to the campaign steering team – how successful has the Community Leader Program been in helping the campaign achieve its goals. In addition, NVRC staff held a Plant NOVA Natives Partners event on January 18, 2017 to recruit additional partners and brief existing partners on the progress of the campaign. A workgroup of the steering team worked with Virginia CZM staff on revisions to the regional native plant guide prior to reprinting in May. The reprint will be funded through sales of the guide, as well as contributions from the VA Dept of Game and Inland Fisheries and Potowmack Chapter of the VA Native Plant Society.

Product #2 Native Plants and Water Quality Workshop

The Plant NOVA Natives Steering Committee has been working on coordinating speakers and themes for this workshop. It is currently proposed to be held at George Mason University in the Fall of 2017. The focus will be on the benefits of using natives in stormwater best management practices.

Product #3 Mid-Campaign Evaluation

The mid-campaign evaluation will be important to guide the future strategy of the campaign. Some data regarding the economic benefits of the campaign to the region has already been compiled. Most notable is that one local plant retailer has seen sales of natives increase 42% since last year. Most of the information to conduct the mid-campaign evaluation will be collected after the busy season ends in the spring.

Product #4 Model Native Plant Comprehensive Plan Language

During this reporting period, the Northern Virginia Regional Commission adopted a resolution to acknowledge the benefits of native plants in the landscape. The intent of the resolution is for the local elected officials in the region to formally recognize the benefits of native plants as well as come to a consensus on the definition of native plants and managed natural landscapes. Adoption of this resolution sets the stage for model native plant language to be developed for comprehensive plans.

Final Products	% Completion	Anticipated Completion Date
Product #1 Campaign Implementation and Community Leader Coordination	50%	09/30/2017
Product #2 Native Plants and Water Quality Workshop	15%	09/30/2017
Product #3 Mid-Campaign Evaluation	20%	09/30/2017
Product #4 Model Native Plant Comprehensive Plan Language	50%	09/30/2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 81	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$45,000.00
Monitoring and Assessment of Marine Debris in Virginia's Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 3/31/2018 6/30/2018		

Survey Coordinator, Christina Trapani, continues to work with a trained volunteer team of up to 20 persons. Volunteers originate from the Virginia Beach Clean Community Commission, BBNWR, CNWR, Clean Virginia Waterways (CVW) and the Virginia Aquarium Stranding Response Team. Volunteers contributed more than 200 hours in this reporting period. While more than 20 volunteers are currently available, twelve core volunteers from the Aquarium, CVW and CNWR continue to assist in completing a majority of the survey work.

During this reporting period, beach surveys were conducted monthly from October 2016 through March 2017 at the four Virginia study sites. Coordinator Trapani completed 22 monthly surveys at the four sites: Fisherman Island National Wildlife Refuge (4), Chincoteague National Wildlife Refuge (6), Back Bay National Wildlife Refuge (6) and Grandview Nature Preserve (6). Snow and other inclement weather prevented two surveys from being completed on Fishermen Island. Since initiation of the project in April 2014, a total of 272 surveys have been completed at the four index beaches utilized for study sites. Data from all survey sites has been collected monthly and photos have been taken per the protocol.

As this new phase of the project has been initiated, all associated authorizations have been renewed to accommodate the revised timeline. Research permits and authorizations for continued work in the national wildlife refuges and nature preserve study sites have been reviewed and updated as needed.

Clean Virginia Waterways (CVW), led by project partner Katie Register at Longwood University, continues to receive data and periodically updates NOAA's Marine Debris Monitoring and Assessment Project Field Survey Data Collection Site. Trapani, Register and Mark Swingle from the Virginia Aquarium participated in the annual leadership team meeting for the Virginia Marine Debris Reduction Plan. Trapani and Swingle also made a presentation to the Lynnhaven River NOW Program Partners Meeting on marine debris research and monitoring in Virginia.

Final Products	% Completion	Anticipated Completion Date
Program Management	25%	March 31, 2018
Data Collection	25%	December 31, 2017
Data Management & Analysis	10%	March 31, 2018
Final Report	0%	May 15, 2018

Task: 92.01	Virginia Institute of Marine Science	Current Federal Total:	\$120,000.00
Decision Support Tools for Managing Tidal Shoreline in Virginia			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

This project encompasses the development of Shoreline Inventories and Tidal Marsh Inventories; application of the Shoreline Management Model (SMM); as well as a Web launch of County Portals and Outreach in order to provide guidance on policy implementation and enhanced shoreline best practices for local governments in the coastal zone of Virginia. To date, the following progress has been made toward completion of 4 Shoreline Inventories (Surry County, Hanover County, King George County, and the City of Fredericksburg), 3 Tidal Marsh Inventories (Surry County, King George County, and the City of Fredericksburg) and 5 Shoreline Management Model runs (Hanover, Henrico, Surry, King George counties, and the City of Fredericksburg).

Shoreline Inventories for Surry, Hanover, King George counties, and the City of Fredericksburg are underway. Digitalization of the shorelines and coding of shoreline conditions (i.e. shoreline structures, land use/land cover, beaches) are complete for all the localities. All steps of QA/QC have been accomplished for Hanover County and City of Fredericksburg. QA/QC is in progress for King George and Surry counties. Generation of metadata and summary statistic tables are in progress.

Digitalization of the tidal marsh boundaries is complete for Surry County, King George County, and the City of Fredericksburg. QA/QC of marsh boundaries is in progress. Field work is scheduled for June.

Initial processing of spatial data sets to run the Shoreline Management Model for the City of Fredericksburg, Hanover County, and Henrico County has commenced.

Final Products	% Completion	Anticipated Completion Date
Shoreline Inventories	75%	September, 2017
Tidal Marsh Inventories	35%	September, 2017
Shoreline Management Model	10%	September, 2017
Web launch of County Portals and Outreach	0%	September, 2017

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2016

**Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?**

Task: 92.02 Virginia Institute of Marine Science		Current Federal Total: \$40,000.00	
Living Shoreline Contractor Training and Shoreline Management Plan Public Information Meetings			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2016	9/30/2017	12/31/2017

The Shoreline Management Plan public information talks are being planned. The first one will be hosted by the Abingdon Ruritan Club on April 25, 2017 from 7-9 pm. The Gloucester Wetland Board has been invited along with the general public. The Gloucester Shoreline Management Plan will be discussed in detail by VIMS personnel. Karen Duhring will speak about the shoreline management planning process and the Shoreline Management Model. C. Scott Hardaway, Jr. will talk about applying the Living Shoreline management recommendations to the shorelines of Gloucester County. Donna Milligan will report on two recent Living Shoreline demonstration projects from concept to construction to provide a detailed understanding of the process.

Wetlands Board staff in York County, Westmoreland County, and James City County have been contacted to determine when Shoreline Studies Program personnel can talk before the Boards. York County will likely be in May, Westmoreland and James City in May/June.

Contractor Training

The Living Shoreline Design Guideline manual, originally written in 2010, is being revised and updated to include the latest research and the newest tools available to design suitable living shoreline management strategies. Two contractor training courses are being planned. The first will be held at VIMS in July and the second will be held on the Northern Neck in July/August.

Final Products	% Completion	Anticipated Completion Date
Contractor training manual and class materials update	30%	June 2017
Living shoreline contractor training	25%	August 2017
Shore Man Plan public information talks	65%	July 2017

Task: 93.01 Richmond Regional Planning District Commission		Current Federal Total: \$30,000.00	
Cumulative and Secondary Impacts: Leveraging Economic Benefits of the Natural Resources of the Lower Chickahominy			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2016	9/30/2017	12/31/2017

Steering Committee Coordination and Facilitation - RRPDC staff has coordinated creation of the project Steering Committee who represents a diverse group of local and state agencies active in the watershed as well as nonprofit stakeholders such as the James River Association and two land conservancies. RRPDC staff has facilitated 2 meetings of the Steering Committee. At the first meeting (12/15/16), steering committee members were introduced to one another, briefed on the intent of the project, and facilitated through a discussion about watershed area strengths, weaknesses, and concerns as well as priorities for the Economic Study. This feedback has been used by RRPDC staff in work on the other 2 product deliverables of this grant. At the second meeting of the Steering Committee (3/30/17), RRPDC staff presented draft base maps and a draft RFP for Committee feedback. RRPDC staff will edit the RFP accordingly and plan to work with VCZM staff to release the RFP in early May 2017.

Mapping and Assessment – RRPDC staff have completed many draft base maps of the three-county study area. Maps include: population density, conserved land, parcels and subdivisions showing the existing pattern of development, land cover, Virginia Ecological Value Assessment, river access points, and wetlands.

Economic Study RFP – RRPDC staff drafted an RFP and presented it to the Steering Committee in March. RRPDC staff are working with the Steering Committee to edit the document based on member feedback. RRPDC staff plan to release a final RFP through the VCZM program in May 2017.

Final Products	% Completion	Anticipated Completion Date
Steering Committee Coordination and Facilitation	70%	9/30/2017
Lower Chickahominy Study Area Mapping and Assessment	60%	9/30/2017
Economic Study Request for Proposals	70%	5/1/2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 93.02	Dept. of Conservation & Recreation - Natural Heritage			Current Federal Total:	\$95,000.00
Inventory of Important Biological Resources in the Chickahominy Watershed					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2016	3/31/2018	6/30/2018		

Work in this time period was conducted by the DCR-DNH Field Botanist on the portion of the project concerned with determining the current status of the 67 natural heritage resources currently in or near historical status in the counties of Charles City, New Kent, and James City. This work, beginning in January 2017, consisted of in-office preparation for the rare plant and natural community field work including setting up an ArcMap project to pull together all the pertinent layers that would aid in focusing on the target areas and determining details of landownership. As the New Kent County tax parcel layer available to DCR-DNH does not contain names of landowners, another on-line tax parcel data source that includes names was sought and found. Subsequent on-line searches to find phone numbers for specific landowners targeted those with the occurrences of the early spring-flowering species Virginia least trillium (*Trillium pusillum* var. *virginianum*). Phone calls were made and access was granted to at least portions of two of the three occurrences. Other permission is pending. In the course of assembling the digital Element Occurrence Records and occurrence shapefiles for each of these occurrences to be targeted, it was discovered that two of the natural heritage resources listed in the scope of work, *Sphagnum flexuosum* and *Sphagnum torreyanum*, were removed from Tracked status in late 2016, eliminating those occurrences from the list of survey targets.

Final Products	% Completion	Anticipated Completion Date
Data on historic or near-historic natural heritage resources	10%	12/31/2017
Data on stream reaches	0%	12/31/2017
Report - Inventory of Important Biological Resources in the Chick. Watershed	50%	5/1/2017
Final report-Inven. Of Imp. Biological Resources in the Chick. Watershed	0%	5/1/2018

Task: 93.03	Middle Peninsula Planning District Commission			Current Federal Total:	\$50,000.00
Pushing the Envelope - Introducing Working Waterfront Legislation and Expanding the Working Waterfront Inventory					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2016	9/30/2017	12/31/2017		

Product #1: Feasibility Study focused on an uninsured Workboat Program – Middle Peninsula Planning District Commission (MPPDC) staff corresponded with local marinas throughout the Middle Peninsula regarding allowing watermen to use their facilities and what insurance requirements do they impose on such use. The marinas had different insurance requirements for watermen, but each fell into one of the following categories: a. No Insurance Requirement; b. Requires Insurance, but no minimum; c. Requires insurance, but not asked for proof; d. Requires insurance to cover the value of the boat plus \$10,000, and e. Requires insurance, at least \$300,000 in liability insurance. With an understanding of some of the insurance requirements at Middle Peninsula marinas, MPPDC staff called several local insurance companies to understand which factors are figured into getting boat insurance. Factors include, age of boat, use, equipment on the boat, serial number on the engine, length and width, etc.

Product #2: Draft Working Waterfront Protection Legislation- An outcome of the Working Waterfront symposium on December 3, 2016 included discussions that identified the need for working waterfront legislation. As a direct result, working waterfront bills were introduced and passed by the General Assembly during the 2017 session, including SB1203 Working Waterfront Development Areas and SB1205 Commercial fishing vessels; classifies vessels as separate class of property. MPPDC staff will continue to work with the Working Waterfront Steering Committee and Legislative Services to develop additional legislative solutions which may be introduced to the GA in 2018. The MPPDC staff also researched the marine fuel tax (§28.2-208) and the Marine Fishing Improvement Fund (§3.2-2705) to begin to understand how fees and taxes are distributed for improvements of commercial wharfs. According to the research of the marine fuel tax since at least 1994, unrefunded motor fuels taxes have been transferred to the General Fund in the “name of funding Chesapeake Bay Clean up”. Based on this information, MPPDC staff will need to request Virginia Department of Tax and Legislative Services to further clarify “unrefunded motor fuels”.

Product #3: Working Waterfront Inventory Synthesis and Expansion- MPPDC contracted with Hampton Roads planning District Commission to conduct a coarse analysis of working waterfronts sites in the remaining coastal planning districts (i.e. Richmond Regional, George Washington, and Crater PDCs). MPPDC staff also researched policies that Middle Peninsula localities, Virginia Department of Transportation (VDOT), and Virginia Department of Game and Inland Fisheries (DGIF) have regarding watermen’s use of public infrastructure and access locations. DGIF infrastructure is intended to be used for recreational purposes only particularly as funding for this infrastructure comes from recreational licenses.

Final Products	% Completion	Anticipated Completion Date
Feasibility Study focused on an uninsured Workboat Program	50%	September 2017
Draft Working Waterfront Protection Legislation	50%	September 2017
Working Waterfront Inventory Synthesis and Expansion	60%	September 2017

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 94.01	Virginia Commonwealth University	Current Federal Total:	\$60,000.00
Virginia Ocean Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2016 12/31/2017 3/31/2018		

The subrecipient contract was not executed until 4-25-17 therefore no progress was made on this task during this reporting period. Delays were due to the need to see what specific fisheries actions were agreed to and certified by the National Ocean Council for the Mid-Atlantic Ocean Action Plan.

Task: 94.02	TBD	Current Federal Total:	\$15,710.00
Virginia Ocean Plan: Data Collection & Synthesis			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start: End: Closeout:		
	10/1/2016 9/30/2017 12/31/2017		

\$32,290 of this task's budget were reprogrammed with NOAA approval to a new Task 94.04 for Sea Turtles & Fishing Piers." Another ~\$12k is being reprogrammed to Task 94.03 for support of the marine debris social marketing workshop. About \$3k will remain in this task.

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 94.03	Longwood University	Current Federal Total:	\$60,000.00
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: 10/1/2016	End: 9/30/2017	Closeout: 12/31/2017

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

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

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

1. Continued discussions with the Mid-Atlantic RPB marine debris work group about possible regional approaches to prevent or remove marine debris.

2. Derelict Clam Nets: After learning of some concern that nets that are used to protect young clams during grow-out were found on VA's barrier islands, CVW & CZM staff arranged a meeting on Virginia's Eastern Shore to talk with leaders of the clam aquaculture industry, local NGOs, and The Nature Conservancy (owner of many of VA's barrier islands). Participants discussed past efforts to remove derelict nets, the scope of the current issue, and next steps. It was agreed that steps will be taken to monitor the derelict clam nets to determine if they are newly deposited, or if they are "legacy" nets that have been incorporated into dunes, and become exposed and re-buried. The aquaculture growers expressed eagerness to retrieve derelict nets if found, and mentioned how they would welcome a better solution for the ultimate land-based disposal of used netting.

3. Further discussions were held during this period with stormwater managers regarding their concerns with "floatable" pollutants including litter and plastic found in stormwater. Many managers expressed interest in exchanging information with other stormwater managers.

Product #2. Balloon Release Reduction Campaign: Complete Implementation and Evaluation. Findings from our first critical stage in designing a social marketing campaign were summarized and presented to campaign partners and to the VA Marine Debris Reduction Plan Team in two meetings held in January 2017. Findings were also presented at the CZM Partners Workshop (Nov 2017), Coordinated presentations by CZM staff and contractor from OpinionWorks about this project during the VA Water Monitoring Council's annual Conference (March 2017).

Conducted, with CZM staff, on-campus interviews at George Mason U (barriers to effectively reaching students at other schools led the partners to re-assess an earlier plan to develop and pilot two social marketing strategies). Coordinated exhibits at two Hampton Roads bridal shows and worked with CZM staff on developing message boards to test at these two shows (Jan & Feb 2017). Developed a follow-up survey for brides working with CZM staff. Arranged an ad printed in a Spring 2017 VOW bridal magazine and for an upcoming ad in Coastal Virginia Brides. Worked with CZM and partners to develop a new website (JoyfulSendoff.org), as well as a scope of work with a photographer/videographer for additional imagery for multi-media (which will include visuals for alternatives for other celebratory events). Also worked with CZM staff and partners to coordinate and participate in two photo shoots to capture imagery needed for campaign multi-media.

Product #3. Balloon Debris Monitoring Report. This product supports the NOAA MDP grant. Researchers Christina Trapani and Kathy O'Hara (sub-contracted by CVW to conduct monitoring of balloon litter on barrier islands) and others monitored False Cape (twice), Smith Island (twice), Cedar Island (once) and Fisherman Island (twice). They recorded more than 700 incidences of balloons that included more than 875 balloons (latex and foil). No weather balloons were found in this period. A report that contains results of this 3-year monitoring has been begun.

Product #4. Reducing Marine Debris Through a Mid-Atlantic Social Marketing Workshop. Worked with Virginia CZM staff on logistical planning for a June 2017 Community-Based Social Marketing Workshop to be led by Doug McKenzie-Mohr to build capacity of partners engaged in future marine debris reduction campaigns. This grant will also pay the balance of Dr. McKenzie-Mohr's fee (the deposit was paid under FY15 Task 95.03). Representatives from MARCO states, NOAA Marine Debris Program, Ocean Conservancy, and other partners have been invited to attend the workshop and/or a 90-minute executive summary.

Final Products	% Completion	Anticipated Completion Date
Product #1: Refinement and Continued Implementation of the VA Marine Debris Reduction Plan	50%	9-30-17
Product #2: Balloon Release Reduction Campaign: Complete Implementation and Evaluation	10%	9-30-17
Product #3: Balloon Debris Monitoring Report	50%	9-30-17
Product #4: Reducing Marine Debris Through a Mid-Atlantic Social Marketing Workshop	40%	7-1-17
Product #5: Final Report	0%	9-30-17

Year: 2016

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA16NOS4190171
for the period from #Name?

Task: 94.04	Dept. of Game & Inland Fisheries	Current Federal Total:	\$32,290.00
Sea Turtles and Fishing Piers - Mitigating Hook-and-line Interactions			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2016	3/31/2018	6/30/2018

During the reporting period, the Virginia Department of Game and Inland Fisheries completed execution of a contract with the Virginia Aquarium and Marine Science Center Foundation (VAQF) to perform most of the work outlined in the grant. The VAQF has started carcass trials for hook detection using three different metal detectors. This work is an aspect of the adapted response and rehabilitation protocols being developed as part of this project. The VAQF staff hopes to complete preliminary work by mid-May when live hooked turtles begin to appear. They have begun developing protocols for scanning live turtles for hooks (using observers blind to whether a hook is present) when they arrive at the VAQF stranding center. Much of the success of this effort will depend on the carcass trials, but it is important to note that the stranding center now has a digital radiograph that will facilitate ground-truthing the metal detector data.

The VAQF has entered all of the pier survey data collected in 2016 into a spreadsheet. The VAQF staff has developed plans for survey data collection for 2017 and will begin collecting data in mid-April. The VAQF expects to have approximately 200 surveys per pier per month before beginning to analyze the data set.

Final Products	% Completion	Anticipated Completion Date
Fishing pier surveys	15%	November 30, 2017
Adapted response & rehabilitation protocols – hooked sea turtles at piers <input type="checkbox"/>	10%	February 28, 2018
Data analyses & final report with management recommendations	0%	April 15, 2018