

Year: 2011

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

Task: 1	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$279,000.00
Coastal Program Management			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached 10/30/2013
Closeout	Start: End: Closeout:		
	10/1/2011 9/30/2013 12/31/2013		

Task: 1.01	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R	Current Federal Total:	\$102,942.00
Coastal Management Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 1.02	Virginia Commonwealth University	Current Federal Total:	\$87,180.00
Coastal Management GIS Support and Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 3/31/2013		

Task: 1.03	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$98,000.00
Virginia CZM Program Outreach & Publications			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2013 12/31/2013		

Task: 2	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$0.00
Quick Response Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	10/1/2011 12/31/2013 3/31/2014		

Task: 2.01	Back Bay Restoration Foundation	Current Federal Total:	\$2,760.00
Back Bay Restoration Foundation State of the Bay Conference			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	2/15/2012 6/30/2012 9/30/2012		

Year: 2011

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

Task: 3	Dept. of Environmental Quality - Environmental Impact Review	Current Federal Total:	\$200,900.00
EIR and Federal Consistency			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 4	Dept. of Environmental Quality - Environmental Education	Current Federal Total:	\$92,267.00
Environmental Education			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 5	Dept. of Environmental Quality	Current Federal Total:	\$0.00
Water Quality Improvement Fund (WQIF) Match - Town of Cape Charles Wastewater Treatment Plant Nutrient Removal Upgrade			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 6	Virginia Marine Resources Commission	Current Federal Total:	\$160,000.00
Permit Review & Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 7	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 8	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Year: 2011

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

Task: 9	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2011 Submerged Aquatic Vegetation Distribution and Abundance Survey of Virginia's Chesapeake Bay and its Tributaries			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 3/31/2013		

Task: 10	Dept. of Conservation & Recreation	Current Federal Total:	\$27,000.00
VNEMO Program Implementation in Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 8/15/2013		

Task: 11	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$0.00
Eastern Shore Land Conservation			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

Task: 11.01	College of William & Mary - Center for Conservation Biology	Current Federal Total:	\$10,741.00
Establishing Resource Delivery Objectives for Migration Habitat Management on the Lower Delmarva Peninsula			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	6/1/2013 9/30/2013 12/31/2013		

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from #Name?**

Task: 11.02 Old Dominion University Research Foundation		Current Federal Total: \$33,922.00	
Bird Density in Forested Migration Stopover Sites on the Lower Delmarva Peninsula and a Comparison With Radar-based Predictive Model			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 4/15/2013	End: 9/30/2014	Closeout: 12/31/2014

To validate NEXRAD-based predictive models for stopover site use by migratory birds along Virginia's Eastern Shore during the fall of 2013, Dr. Eric L. Walters of Old Dominion University hired an experienced field crew to conduct ground validation surveys at 12 sites. The experienced research crew, managed by Old Dominion University graduate student Andrew Arnold, consisted of technicians Marissa Buschow, Blake Hepner, Conor Higgins, Ben Hodgkins, and Alan Moss.

Avian surveying continued 6 days per week until 7 November 2013. Over the entire sampling period, a total of 203 transect surveys were conducted at 12 forested sites along the Eastern Shore. These surveys, conducted during the first 4 hours after sunrise and lasting 30 minutes each, amounted to 101 species totaling 5,057 individual detections. Fleshy fruit and invertebrate availability data were also recorded during each site visit. Upon completion of the field surveys, graduate student Andrew Arnold proofed and edited the database. Ongoing analyses are using detection probabilities to estimate population densities of each species at each site throughout the sampling period. In addition, arthropod and fruit data are being analyzed for each site to detect trends in availability across the season and among sites.

A preliminary assessment of findings was presented at the Southern Tip Partners meeting on 21 November 2013. At this meeting, Dr. Walters explained the collaborative nature of the project, and Andrew Arnold presented details on methods used for data collection in the field. A second presentation was provided by Andrew Arnold at the Virginia Coast Avian Partnership meeting on 12 March 2014. Preliminary data on migrant abundance and food availability at each site was compiled and presented.

The avian surveys will be used to validate predictive models for migrant stopover habitat. Where possible, the data will be compared with the 1991 interstate neotropical migrant coastal corridor study. This research will help to identify important stopover areas for migratory birds along the Delmarva Peninsula, test the ability of radar-based predictive models to identify high and low use hardwood habitat areas at the landscape scale, and will provide valuable information that can be used towards future land conservation planning along the Delmarva Peninsula.

Final Products	% Completion	Anticipated Completion Date
Final report on field observations	75%	15 October 2014
Final report on comparisons of field observations with radar predictive model	75%	15 October 2014
GIS shapefile of study sites and observations	75%	15 October 2014

Task: 11.03 Dept. of Conservation & Recreation		Current Federal Total: \$58,980.00	
Kiptopeke Habitat Management & Education on the Southern Tip			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Attached	
Closed	Start: 4/1/2013	End: 12/31/2013	Closeout: 3/31/2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from #Name?**

Task: 11.04	Dept. of Game & Inland Fisheries	Current Federal Total: \$64,549.00	
Migratory Bird Enhancement - GATR Tract, Mockhorn Island WMA			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 6/15/2013	End: 9/30/2014	Closeout: 12/31/2014

The timber stand improvement has been marked for harvest by a DGIF consultant, and a logging company is under contract to complete this component of the project. The logging company is currently in the process of laying out skid trails and should move harvesting equipment onto the project area by April 2014. The forest openings have been delineated and will be created during the harvesting process.

The DGIF staff are in the process of acquiring permits needed for the demolition of the concrete block building. The building will be razed during the summer of 2014.

The DGIF project manager is seeking bids for the mulching of the forest openings and for the planting of desirable species in these openings. Mulching will be accomplished in June/July 2014, and beneficial plantings will occur in September of 2014. Desirable species are currently being vetted and will be determined based upon availability and habitat benefits to migratory songbirds.

The DGIF project manager is researching the most efficient and practical methods for the control of invasive exotic species currently at the site. The first round of control will occur after the timber harvest and the second round will occur in preparation of the planting of beneficial species on site.

Final Products	% Completion	Anticipated Completion Date
Restoration of Wildlife Habitat	5%	September 30, 2014
Final Report	0%	October 10, 2014

Task: 11.05	Dept. of Conservation & Recreation	Current Federal Total: \$45,000.00	
Pickett's Harbor Natural Area Preserve Migratory Songbird Habitat Restoration			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report	
Open	Start: 10/1/2013	End: 6/30/2014	Closeout: 9/30/2014

Pickett's Harbor Natural Area Preserve is a 122.4-acre state-owned natural area preserve, managed by the Virginia Department of Conservation and Recreation's Natural Heritage Division (DCR). The preserve is located within the "Southern Tip" migratory songbird stopover habitat zone and the Lower Delmarva Important Bird Area. The preserve's location within the Southern Tip and its proximity to the Chesapeake Bay make it an ideal stopover site for songbirds during the autumn migration period. Fee simple land acquisition and conversion of agricultural lands to native plant communities by state, federal and private agencies/organizations has been and continues to be a successful and preferred strategy for increasing available migratory bird habitat on the Southern Tip of the Virginia Eastern Shore.

During the period October 1, 2013 through March 31, 2014, DCR resource managers completed most of the work involved in planning, procuring and planting native shrubs and trees in a previously-cropped 62-acre agricultural field within the Pickett's Harbor preserve. Planting shrubs and trees augments and enhances natural succession and quickly yields high-quality, restored habitat available to migratory songbirds.

In October 2013, DCR staff prepared the 62-acre restoration area for planting by mowing, disking and sub-soiling. In November 2013, DCR staff and volunteers planted a total of 2,170 wax myrtle shrubs (*Morella cerifera*) at a density of 35 per acre. Wax myrtle shrubs grow quickly and are evergreen, providing instant islands of year-round cover for birds. This species also matures and reaches fruit-bearing age rapidly, providing a preferred food source within a very short period of time. Wax myrtle also fixes nitrogen and is not mycorrhizal-dependant, thus increasing survival rates in the altered soils of former agricultural fields.

In March 2014, DCR staff and volunteers planted 360 oak saplings ranging in height from 7 to 10 feet. A skid-steer Bobcat, tractor mounted with an auger was used to bore planting holes for these large, ball & burlap oak saplings; each weighing 200-300 lbs. Planting six large oak saplings per acre provides an important, additional layer of "instant cover" that attracts songbirds and results in early establishment of heavy-seeded hardwoods that would otherwise not be present so early in an old-field succession setting. Planting large oaks also provides immediate structure for bird perches, promoting dispersal via bird droppings and establishment of other preferred, heavy-seeded food plants (e.g. black cherry, blackgum, sassafras, muscadine grape, greenbriar, etc.) into the restoration area. This method for converting agricultural fields to young forests yields an increased diversity of preferred songbird food plants and enhanced forest structure in a shorter period than does other restoration strategies.

Final Products	% Completion	Anticipated Completion Date
Migratory Songbird Habitat Restoration at Pickett's Harbor NAP	90%	April 30, 2014
Project Final Report	0%	April 30, 2014

Year: 2011

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

Task: 12	Virginia Institute of Marine Science	Current Federal Total:	\$173,000.00
Seaside Restoration			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closeout	Start: End: Closeout:		
	10/1/2011 9/30/2013 3/31/2014		

Task: 41	Accomack-Northampton Planning District Commission	Current Federal Total:	\$30,450.00
A-NPDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 3/31/2013		

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>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 43	Hampton Roads Planning District Commission	Current Federal Total:	\$60,450.00
Hampton Roads Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 3/31/2013		

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Middle Peninsula Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 45	Northern Neck Planning District Commission	Current Federal Total:	\$30,000.00
Northern Neck PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Year: 2011

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
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>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 47	George Washington Regional Commission	Current Federal Total:	\$30,000.00
GWRC Coastal Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,450.00
Richmond Regional PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 49	Virginia Beach/Virginia Aquarium and Marine Science Center	Current Federal Total:	\$31,000.00
Virginia Sea Turtle and Marine Mammal Stranding Network			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	1/1/2012 12/31/2012 3/31/2013		

Task: 50	TBD	Current Federal Total:	\$0.00
PDC Competitive Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 51	Hampton Roads Planning District Commission	Current Federal Total:	\$20,000.00
Coastal Resiliency: Adapting to Climate Change in Hampton Roads			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	12/15/2011 12/31/2012 8/15/2013		

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from #Name?**

Task: 52	Hampton Roads Planning District Commission			Current Federal Total:	\$30,000.00
Water Quality Policy Analyses to Support Attainment of Nutrient Reduction Goals					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start:	End:	Closeout:		
	12/15/2011	12/31/2012	3/31/2013		

Task: 53	Middle Peninsula Planning District Commission			Current Federal Total:	\$29,559.00
Rural Chesapeake Bay/Seaside of Virginia Working Waterfront Coalition					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start:	End:	Closeout:		
	12/15/2011	3/31/2013	6/30/2013		

Task: 54	Northern Virginia Regional Commission			Current Federal Total:	\$71,500.00
Northern Virginia Native Plant Social Marketing Campaign ("Go Native NoVA")					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	12/15/2011	9/30/2014	12/31/2014		

Campaign Research

During this period, NVRC staff and the Steering Team used the market research to refine the specifics of the campaign strategy.

Campaign Community Leader Training

NVRC staff hosted five meetings with the campaign partners to plan the content and logistics of providing the community leader training. Four training sessions were held in the following locations; Manassas, Leesburg, Arlington, and Fairfax. Approximately 200 participants attended the training. The goals of the training sessions were to develop volunteer community leaders who can:

- educate others about the benefits of native plants in the residential landscape
- identify native plants
- assist others in identification of native plant species
- guide others in plant selection at local retail establishments and community plant sales
- provide outlets to additional information

The target audience for the workshops were those that had a strong background in gardening/landscaping or naturalist activities but would like to learn more about the ecological benefits of native plants, which species are native to our region, and how to maintain them in the typical garden landscape.

The agenda included:

1. Overview of Plant NoVA Natives Campaign
2. Ecology of Native Plants
3. Spotlight on Northern Virginia Native Plants
4. Become a Community Leader Small Group Discussion

The small group discussions provided valuable information as to how the Community Leaders could help to implement the campaign and barriers that prevent people from planting native plants. Many participants volunteered to undertake activities to reach out to the public and to garden centers to promote the messages of the campaign. It was also decided that a Community Leader Coordinator would be essential to direct, track, measure, and coordinate the activities of the corps of volunteer Community Leaders.

Campaign Materials

During this period, the campaign partners provided the photos, plant descriptions, and text content for the guide. NVRC staff worked in partnership with CZM to create a draft layout which partners will have an opportunity to comment on.

Final Products	% Completion	Anticipated Completion Date
Campaign Research	100%	June 1, 2013
Campaign Community Leaders Training Module & Materials	100%	March 27, 2014
Campaign Materials	20%	September 30, 2014

Year: 2011

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

Task: 55	Richmond Regional Planning District Commission	Current Federal Total:	\$49,839.00
Chapel Island/James River Public Access Enhancement Project			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2012 9/30/2013 12/31/2013		

Task: 56	Middle Peninsula Planning District Commission	Current Federal Total:	\$6,517.00
Aberdeen Creek Harbor Master Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Open	Start: End: Closeout:		
	8/1/2013 3/31/2014 6/30/2014		

Product #1 Title: Research land records and ownership of infrastructure.

MPPDC Staff finished researching zoning, land records, and ownership of infrastructure on Aberdeen Creek in Gloucester County, Va. through county records. There is one privately owned former commercial seafood property, one public landing deeded to Gloucester County and the Commonwealth of Virginia in 1947, and many private homes. The private properties on Aberdeen Creek are zoned Single Family 1 (SF1), which currently allows no working waterfront uses. The public landing on Aberdeen Creek, which is categorized as a "wharf" in Sec. 21-1 of the Gloucester County zoning ordinance, is open to all vessels both recreational and commercial.

Product #2 Title: Snapshot – Uses and Users of Aberdeen Creek

MPPDC Staff met with several watermen to continue to understand the current uses of Aberdeen Creek, the number of users, and the location of access points. It was found that two watermen have leased the commercial property specifically because they consider it the best water access to the public and private oyster grounds on the upper York River. The watermen indicated that water access and boat mooring locations to the York River were in demand. They stated that there were 85 independent commercial oyster boats harvesting oysters in the York River on one day in February 2014. Every waterman interviewed stated that they would like to see more water access on Aberdeen Creek and that shoaling was a major concern and needed to be addressed.

Product #3 Title: Aberdeen Creek Master Plan and Management Options

MPPDC Staff created a Master Plan for Aberdeen Creek that comprehensively assesses the needs of the users of Aberdeen Creek and the management of the public and private infrastructure. The plan provides three recommendations to the Gloucester County, Va. Board of Supervisors intended to preserve the working waterfront of the creek for future generations: a) to amend the zoning ordinance to create a commercial waterfront district which allows certain working waterfront uses by right based on a careful review of what those uses should be; b) designate, by ordinance, commercial and recreational use as permitted uses of the landing; and, c) collaborate and coordinate with other stakeholders to develop and implement a plan to maintain the channel depth on Aberdeen Creek.

Final Products	% Completion	Anticipated Completion Date
Research Land Records and Ownership of Infrastructure	100	
Snapshot- Uses and Users of Aberdeen Creek	100	
Aberdeen Creek Master Plan and Management Options	100	

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from #Name?

Task: 57	Hampton Roads Planning District Commission	Current Federal Total: \$15,927.00						
Developing a Local Sea Level Rise Adaptation Plan for Virginia Beach								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
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>9/1/2013</td> <td>3/31/2014</td> <td>6/30/2014</td> </tr> </table>	Start:	End:	Closeout:	9/1/2013	3/31/2014	6/30/2014	
Start:	End:	Closeout:						
9/1/2013	3/31/2014	6/30/2014						

Sea Level Rise and Flooding Regulatory Code, Policy, and Plan Review. HRPDC staff and Virginia Beach staff have identified several localities and regions to use as case studies for identifying potential policy changes that could be used in Virginia Beach (and other Virginia localities). Summaries and "lessons learned" statements are currently being drafted. Virginia Beach staff has been conducting a comprehensive review of existing plans and policies to identify opportunities for amendments or new policies.

Sea Level Rise Scenario Maps. HRPDC staff and Virginia Beach staff have identified an appropriate methodology for combining sea level rise and storm surge scenarios into time-based vulnerability maps. HRPDC staff is currently in the process of running the GIS models to produce individual maps by year (for sea level rise) and severity (for storm surge). City staff has created a comprehensive database of critical infrastructure that will be used to assess the City's vulnerability to sea level rise and storm surge between the present and 2100.

Development of a Public Outreach and Education Strategy. HRPDC staff and Virginia Beach staff have identified potential opportunities for engaging the public on sea level rise and flooding, including through public meetings and the City's website. Virginia Beach staff is also considering how sea level rise will be incorporated into the City's next Comprehensive Plan update.

Final Products	% Completion	Anticipated Completion Date
Sea Level Rise and Flooding Regulatory Code, Policy, and Plan Review	40%	June 30, 2014
Sea Level Rise Scenario Maps	40%	June 30, 2014
Development of a Public Outreach and Education Strategy	15%	June 30, 2014

Task: 58	Rappahannock Community College	Current Federal Total: \$13,492.00						
An Integrated Approach for Coastal EcoTourism Training and Certification in Virginia								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report						
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>9/1/2013</td> <td>6/30/2014</td> <td>9/30/2014</td> </tr> </table>	Start:	End:	Closeout:	9/1/2013	6/30/2014	9/30/2014	
Start:	End:	Closeout:						
9/1/2013	6/30/2014	9/30/2014						

During this project period, Environmental Education staff members from Chesapeake Environmental Communications (CEC) and Bay Country Kayaking (BCK) have worked closely with the Workforce and Community Development Offices at Rappahannock Community College (RCC) and Eastern Shore Community College (ESCC) to develop RCC's Ecotourism Certification Class. CEC and BCK originally planned this eight-week class to be held simultaneously at RCC and ESCC from March - May connected via the Community College virtual classroom system. However, due to feedback received from interested participants, the course was modified to become an online class to include several live webcasts with speakers.

During the project period, Shannon Alexander (BCK) and Paula Jasinski (CEC) have developed the curriculum, identified and secured speakers, and developed the class agenda for both the live and online class formats. Ms. Alexander has been responsible for the bulk of the curriculum development and has created it to be easily replicated in future classes. A new certification logo was created as a modified version of what was used in the past. RCC has all of the new logo files and the logo is displayed on class materials.

RCC and ESCC staff have developed the infrastructure for the online course, including marketing and advertising for the class, registering the students (11 in all), processing Ms. Alexander and Ms. Jasinski as adjunct faculty, training them to use the online system (Blackboard), and loading support files. The online class began April 3, just outside of this progress report window. Details of the class will be provided in next progress report.

Final Products	% Completion	Anticipated Completion Date
Curriculum Outline	100%	
Curriculum Development	100%	
ESCC Ecotourism Class and Certification	85%	May 30, 2014
RCC Ecotourism Class and Certification	85%	May 30, 2014
Professional Photography and Program Logo	80%	August 15, 2014

Year: 2011

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

Task: 92	Virginia Institute of Marine Science	Current Federal Total:	\$50,000.00
Developing a Working Waterfronts Plan for Virginia's Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

Task: 93.01	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$30,000.00
Research and development of comprehensive shoreline guidance and living shorelines general permit in Virginia			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 93.02	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$150,000.00
Shoreline Management Planning			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

Task: 94.01	Hampton Roads Planning District Commission	Current Federal Total:	\$90,000.00
Land & Water Quality Protection in Hampton Roads			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 9/30/2013		

Task: 94.02	Middle Peninsula Planning District Commission	Current Federal Total:	\$50,000.00
Land and Water Quality Protection in Middle Peninsula			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 95.01	Virginia Commonwealth University	Current Federal Total:	\$46,250.00
Virginia Ocean Spatial Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	11/1/2011 6/30/2013 9/30/2013		

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**Performance Report, Section A, for Cooperative Agreement No. NA11NOS4190122
for the period from #Name?**

Task: 95.02	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$6,000.00
Ocean Resources: Marine Debris Summit			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Previously Submitted
Closed	Start: End: Closeout:		
	2/15/2013 3/31/2013 6/30/2013		

Task: 95.03	Longwood University	Current Federal Total:	\$52,020.00
Marine Debris Reduction Plan for Virginia			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	7/1/2013 9/30/2014 12/31/2014		

Project activities this period consisted of gathering input from Virginians that will inform the development of reduction goals and strategies to address marine debris issues in the Commonwealth. A draft of Virginia Marine Debris Reduction Plan (VMDRP) has been started integrating stakeholder input.

Survey: The first step was to design and beta test a survey, as well as develop a list of stakeholders to receive the survey. This work was accomplished by Katie Register (Clean Virginia Waterways/Longwood University), working closely with Todd Janeski (funded from CZM FY 12, Task 95), Angela Neilan (Community Involvement Specialist, DEQ), and Virginia Witmer of the VA CZM staff. The survey was sent to 650 people, and 151 responses were received. The survey was designed to collect opinions on and measure knowledge of marine debris to inform the development of the VMDRP.

Leadership Team: Ms. Register, working closely with Laura McKay (Virginia CZM Program Manager) and Ann Regn (DEQ Director, Public Information and Outreach) identified key stakeholders in Virginia who were asked to serve on the VMDRP Leadership Team. The team met on February 7 in Richmond. Jason Rolfe, Southeast and Caribbean Regional Coordinator, NOAA Marine Debris Program, also participated. Data from the survey were summarized and presented to the Leadership Team, followed by discussions on 1) priorities and 2) what is achievable in the near-term (up to 2 years) given limited resources, as well as what is achievable in the mid- and long-terms. Team members then "voted" on the relative costs associated with several action options in relation to the expected effectiveness of the action to reduce marine debris. Their votes were placed on "Bang for Buck" charts. After the meeting, the Bang for Buck charts were recreated in a digital format.

Interviews: Ms. Register, Mr. Janeski, and Ms. Neilan conducted in-depth interviews with 14 other stakeholders (researchers, community educators, employees of local governments, members of the waste management and recycling community and nonprofit organizations). Interview questions focused on 1) priorities and 2) what is politically, economically and socially achievable in the near-term, mid-term and long-term.

Other Activities: Ms. Register attended two US EPA Mid-Atlantic Trash Free Waters meetings (November in D.C. & March in Annapolis) where she gave brief progress reports on the VMDRP and participated in discussions on priorities for a mid-Atlantic marine debris strategy. Ms. Register spoke about the VMDRP to approximately 70 members of the Virginia Recycling Association (VRA) at their annual meeting in October 2013 in Charlottesville. The VRA membership includes waste management and recycling businesses, local governments, nonprofit organizations and trade associations.

Final Products	% Completion	Anticipated Completion Date
Product #1 : Background research, establishing advisory team & goals for the Plan	100%	October 31, 2013
Product #2 Research and draft writing	70%	June 15, 2014
Product #3 Integrate input from advisory team and stakeholders into document	10%	October 31, 2014
Product #4 Final report	0%	October 31, 2014

Year: 2011

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

Task: 96	Accomack-Northampton Planning District Commission	Current Federal Total:	\$60,000.00
Seaside Special Area Management Plan (SAMP)			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:
	5/1/2012	3/31/2014	6/30/2014

Seaside Recreational Use Literature Search

A-NPDC identified existing recreational datasets from the Virginia Eastern Shorekeeper, USFWS Eastern Shore of Virginia National Wildlife Reserve, and the Center for Conservation Biology and converted the data into reusable formats to be included in the report appendices. This project deliverable is complete.

Seaside Recreational Use Aerial Survey GIS Data

A-NPDC processed the 1,000+ photos taken during a test flight and 10 aerial surveys over the VA Atlantic coast from Maryland to North Carolina. A-NPDC has compiled all observed counts of recreational uses into a GIS dataset and has created maps illustrating the data. This project deliverable is complete.

Seaside Recreational Use Participatory GIS Workshop & Meeting Data

A-NPDC completed this project deliverable during the Summer of 2012 and has incorporated all outcomes into the Final Report.

Seaside Recreational Use Assessment Report

A-NPDC has incorporated all data generated during the literature search, workshops, and aerial surveys into the Final Report. This project deliverable is complete.

SAV Restoration Goal & Management Report

Maps and spatial assessment information have been produced illustrating the consensus SAV restoration goals. Research of similar efforts in other states has been compiled and incorporated into the report. All information was compiled into a presentation given to the VA Marine Resources Commission suggesting that SAV Restoration Set-Aside areas be established in specific locations identified by the working group on the Seaside. A-NPDC has completed a report of outcomes and the VMRC presentation.

Final Products

	% Completion	Anticipated Completion Date
Seaside Recreational Use Literature Search	100%	3/31/2014
Seaside Recreational Use Aerial Survey GIS Data	100%	3/31/2014
Seaside Recreational Use Participatory GIS Workshop & Meeting Data	100%	3/31/2014
Seaside Recreational Use Assessment Report	100%	3/31/2014
SAV Restoration Goal & Management Report	100%	3/31/2014