

Year: 2011

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

Task: 1		Dept. of Environmental Quality - Virginia Coastal Zone Management Program		Current Federal Total: \$278,600.00
Coastal Program Management				
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Progress Reports Constituted Product	
Closeout	Start:	End:	Closeout:	
	10/1/2011	9/30/2013	12/31/2013	

The remaining fringe and travel funds in this task were used, with NOAA's approval, to fund a new Task 57 HR PDC Sea Level Rise Adaptation Plan.

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> Attached	
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> Submit w/next Semiannual Report	
Closeout	Start:	End:	Closeout:	
	10/1/2011	9/30/2013	12/31/2013	

An extension on this grant was requested and granted through September 30, 2013. Expenses during this period included printing of a revised Virginia Oyster Gardening Guide – an expense that was budgeted in this grant but delayed due to the scope of the revisions needed and additional time required to coordinate with multiple partners on the project. Funds also permitted a needed upgrade of Creative Suite software for staff working in graphic design. Remaining funds (approximately \$2,000) will allow printing of additional plant ID markers for use in Plant ES Natives campaign demonstration gardens.

Detail of Expenditures -

Virginia Oyster Gardening Guide printing	\$3,112.55
Creative Suite Software upgrades/external harddrives	\$1,647.00

Final Products	% Completion	Anticipated Completion Date
Multi-Media Outreach Strategies	100%	
Printed Media	80%	December 31, 2013
Events and Training	100%	
Electronic Media	100%	

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Task: 2	Dept. of Environmental Quality - Virginia Coastal Zone Management Program			Current Federal Total:	\$5,453.00
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		

During this period, \$3,594 in remaining funds from this task were transferred to a new, NOAA -approved Task 57 to HRPDC for their Sea Level Rise Adaptation Plan for VA Beach. \$1859 still remains in this task but will likely be transferred to a new Task 58 Ecotour Guide Certification Classes, once NOAA approves that reprogramming.

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		

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

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

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>	Attached
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>	Attached
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:	\$45,000.00
Eastern Shore Land Conservation			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

All but \$45,000 of this task has been reprogrammed to tasks 11.01 through 11.04. A final task (11.05) for DCR to restore migratory songbird habitat at Pickett's Harbor Natural Area Preserve is awaiting NOAA approval.

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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> Attached	
Closeout	Start: End: Closeout:		
	6/1/2013 9/30/2013 12/31/2013		

The purpose of this study was to establish a conceptual framework to place conservation progress and serve as a foundation for future efforts. The amount of land currently supporting forest cover represents only 30.3% of the study area suggesting that there is considerable opportunity to restore additional habitat to support migrants. Theoretically, there is space to triple the current footprint of forest habitat. Currently, conservation lands represent less than 14% of the upland landscape and support 16% of the total forest lands. Land that is currently ongoing restoration through conversion from unusable habitat to shrub or forest will nearly double the value of conservation lands to forest migrants and will ultimately increase the existing forest habitat within conservation lands by another 16%. Despite its relatively small land mass, the study area is estimated to support more than 4 million bird days during the migratory period. In order to break even energetically, these birds would require nearly 30 metric tons of food. Conservation lands are currently supporting less than 20% of the bird use within the study. However, if ongoing restoration projects are brought to their conservation endpoints they would more than double this contribution.

Final Products	% Completion	Anticipated Completion Date
Conservation Limits and Management Opportunities for Fall Migrants along the Lower Delmarva Peninsula100S	100%	Sept 26, 2013

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> Submit w/next Semiannual Report	
Open	Start: End: Closeout:		
	4/15/2013 3/31/2014 6/30/2014		

In order to validate the NEXRAD models for stopover site usage along Virginia's Eastern Shore by migratory birds during the fall, Dr. Eric L. Walters of Old Dominion University hired an experienced field crew to conduct daily avian surveys along the Eastern Shore. Dr. Walters' crew is managed by Old Dominion University graduate student Andrew Arnold and consists of trained technicians Marissa Buschow, Blake Hepner, Conor Higgins, Ben Hodgkins, and Alan Moss.

The crew placed transects at twelve locations along the Eastern Shore of Virginia. Sites were stratified in a manner that would representatively sample high and low model-predicted bird abundances in hardwood habitat from the Southern Tip to the Maryland border. Transects were established in early August and are located at the Eastern Shore Soil & Water Conservation property (Hortown), Wallops Island Flight Facility, Mutton Hunk Fen Natural Area Preserve, Phillips Farm (Accomac), Upshur's Neck (Quinby), Brownsville Farm (Nassawadox), Mapp Farm (Jamesville), Oak Grove (Machipongo), Cape Charles Natural Area Preserve, Savage Neck Dunes Natural Area Preserve, Pickett's Harbor Natural Area Preserve, and Kiptopeke State Park.

Avian surveys were initiated on 15 August, 2013 and continued uninterrupted 6 days per week through the end of September. As planned, the crews visited three sites daily along the Eastern Shore. Each site visit consisted of one 30 minute avian survey, as well as surveys for insects on branch clippings and ground plots. Crews also surveyed the amount of fruit available to birds within the 500-m transect area.

The avian surveys will be used to validate predictive models for migrant stopover habitat, as well as ground-truth readings from the NASA NPOL radar located in Berlin, Maryland and the NASA TOGA radar at Wallops Island. 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	25%	31 March 2014
Final report on comparisons of field observations with radar predictive model	25%	31 March 2014

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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> Submit w/next Semiannual Report
Open	Start: End: Closeout:	
	4/1/2013 12/31/2013 3/31/2014	

Pine Thinning

Kiptopeke State Park hired six employees in mid-May to start the pine thinning project, expecting a 50% retention rate at the peak of the project due to seasonal fluctuation in available employees on the Eastern Shore. With 90% of the project completed, two original staff members remain to finish the remaining 10%. DCR staff hosted sawyer and safety training. An intern from Old Dominion University set up four test plots of different tree densities in order to help park staff estimate the number of pine trees that would be cleared in the entire plot. Park staff found an unexpected number of larger pines in the interior of the plots to be cleared, which resulted in higher wage costs and increased chipper usage. However, several larger sized hardwoods were also found in the interior areas which will greatly benefit from the pine thinning and provide important established habitat for migratory species.

Deer Management

DCR Staff researched commercial standard deer stands and had DCR purchasing staff put the project out to bid. Due to bidding requirements, the deer stands are not deliverable by the manufacturer. DCR staff are coordinating pick up of these deer stands in South Carolina. The deer stands have been purchased and will be picked up in late October for an early November install. Marketing of Kiptopeke State Park's annual managed deer hunt began in August 2013 (link to press release: http://www.dcr.virginia.gov/pr_relz_detail.shtml?id=2013-08-22-13-08-22-26344.) The Kiptopeke State Park Fall Deer Hunt will be held on Nov. 13 & 14, 2013 using the new deer stands in the areas thinned of pines.

Educational Programs

Two Educational Specialists were hired in May 2013 and participated in DCR Interpretive Training. The costs of these trainings were not charged to the grant, but conducted in anticipation of the grant award. Interpretive programs included birding, coastal watershed management, habitat management, and stewardship ethics. In-park programs were held in June, July, August and September of 2013, drawing a wide international target audience from the park's overnight facilities. Approximately 70% of the planned programming is completed. The final 30% of interpretive programming will be held in the park and off-site at local public schools and public community events to further extend outreach to the local population.

Hawk Observatory Repairs

Lumber, joists, and hardware have been purchased and work is 80% complete on the repairs to the Hawk Observatory. Over \$2,500 in lumber was donated to the project. Work remaining includes purchase of lumber for and installation of handrails. Signage products are 20% complete with inquiries made to the Coastal Virginia Wildlife Organization on species types for the signs as well as coordinated conversations with DCR graphic design staff on the availability of illustrations and artwork. The \$2500 budget surplus due to the lumber donation will be used to plant native mini-migratory bird habitat patches in collaboration with the Plant ES Natives campaign at each of the overnight lodges in the Park. This will provide yet another educational opportunity for visitors.

Final Products	% Completion	Anticipated Completion Date
PINE THINNING	90%	NOV. 10, 2013
INSTALLATION OF DEER STANDS	50%	NOV. 10, 2013
EDUCATIONAL INTERPRETIVE PROGRAMMING	70%	DEC. 10, 2013
HAWK OBSERVATORY REPAIRS	80%	DEC. 10, 2013

Task: 11.04 Dept. of Game & Inland Fisheries		Current Federal Total: \$51,357.00
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: End: Closeout:	
	6/15/2013 3/31/2014 6/30/2014	

A contract for this task was mailed to the Department of Game and Inland Fisheries on August 14 2013 and again on August 27 2013 because the original was apparently lost in the mail. A signed contract was received back from DGIF on October 16, 2013. Work is currently underway. The unwanted pine timber has been assessed for removal and all required clearances are underway for demolition of the old cement block building. Work is slightly behind schedule but DGIF will attempt to speed up efforts. However, if spring weather conditions are not good, an extension may need to be requested.

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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> Submit w/next Semiannual Report
Closeout	Start: End: Closeout:	
	10/1/2011 9/30/2013 3/31/2014	

Seagrass Restoration and Water Quality Monitoring: Eelgrass flowering shoots were machine harvested in both the York River and South Bay from May 24 through May 31. All material was placed in our seed curing tanks in Oyster and Gloucester Point and monitored daily for seed release through July. Faunal samples were collected in Chincoteague Bay and South Bay in April to continue our assessment of the faunal utilization of these meadows, relevant to the bay scallop restoration work. We also continued our fish trawling in May to link the fish assemblages to what we observing with the invertebrate fauna.

Data (salinity, temperature, turbidity, phytoplankton chlorophyll, pH, dissolved oxygen, depth) from water quality mapping cruises which were conducted on October 19, 2012, November 9, 2012, and March 19, 2013, as well as continuous fixed station monitoring data for this period from both the Spider Crab Bay and South Bay sites were checked and then post processed using full EPA and DEQ approved QA/QC procedures. Data have been made publically available on the www.VECOS.org web site and database.

Scallop Restoration: All adult spawning stock produced in 2011 and spring 2012 that remained alive in the cages in South Bay and Cobb Bay were released into the grass beds. These scallops were near the end of their natural lifespan (12 – 24 mos.) and previous experience has indicated that few will survive to produce additional spawns. A total of 3200 adult scallops from a 2012 fall spawn were maintained in cages in the South Bay grass bed throughout the period and visual inspections indicated that they produced a small spawn in the spring of 2013 and a larger spawn in the late summer 2013.

Four spawns were conducted in spring 2013 on Apr. 23, Apr. 30, May 7 and May 10 using three different broodstock sources: (1) new animals collected from North Carolina in 2013, (2) 3rd-generation Virginia scallops from the VIMS breeding program and (3) wild-collected scallops from the VA coastal bays that are likely the progeny field spawns from this restoration program. These spawns yielded a total of 5.42 million late-stage larvae that were placed into the land-based nursery system, where they were reared for approximately 2 months before being transferred to the field-based nursery. Following an additional 6 to 8 weeks in the field-based nursery, approximately 25,000 scallops were transplanted into cages in the grass bed in South Bay to serve as spawning stocks. Based on observations of gonad condition, these scallops spawned in the grass bed in Sept. 2013, though because of their small size the expected size of that spawning event was modest. These animals are expected to spawn again in the spring and fall of 2014.

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

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

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

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

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,000.00
Richmond Regional PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

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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>	Attached
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>	Attached
Closed	Start: End: Closeout:		
	12/15/2011 12/31/2012 8/15/2013		

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>	Attached
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>	Attached
Closed	Start: End: Closeout:		
	12/15/2011 3/31/2013 6/30/2013		

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Task: 54	Northern Virginia Regional Commission			Current Federal Total:	\$49,500.00
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	3/31/2014	6/15/2014		

Campaign Research

During this period, NVRC analyzed the survey results and hosted a meeting with the campaign partners to discuss the findings. The results of the survey were used to answer questions about the target audience, develop key messages that consumers will respond to, identify public perception about native plants, identify barriers to identifying and purchasing native plants and develop education objectives. NVRC staff used the research to develop the specifics of the campaign strategy.

Campaign Community Leader Training

NVRC staff hosted a meeting with the campaign partners to discuss the logistics of providing the community leader training. The partners agreed that the training could provide Master Naturalists and Master Gardeners with Advanced Training Hours. The Fairfax County Government Center, George Mason University and County Libraries were identified by the partners as potential training locations. Community leaders that were identified to receive the training include Master Gardeners, Master Naturalists, Loudon Wildlife, Audubon at Home and Native Plant Society members. These groups will be notified of the trainings via e-mail lists. Garden Centers, nurseries and landscapers will have to be contacted individually to ask if their staff would be interested in receiving any training. The partners decided that trainings will be scheduled during the months of January, February and March to prepare the Community Leaders for the Spring planting season.

Campaign Materials

During this period, a subcommittee developed an extensive draft plant list for the guide book. NVRC staff facilitated a meeting with all of the campaign partners to review the list and decide which plants should be highlighted in the guide. The campaign partners provided extensive comments on the list and the categories of plants to be included in the guide. The list and categories are in the process of being finalized. The partners also reviewed the layout of the ES and Northern Neck guidebook and provided comments on the layout for the NOVA guidebook.

Final Products	% Completion	Anticipated Completion Date
Campaign Research	100Ju	June 1, 2013
Campaign Community Leaders Training Module & Materials	50	March 31, 2013
Campaign Materials	20	March 31, 2013

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

Site work continued from April 1 through the June 30, 2013 by the City James River Park System (JRP) crews directed by Nathan Burrell, James River Park Superintendent. JRP and Urban Tree Division logged over 1000 hours clearing trails, removing debris, placing stone, building the kayak/canoe boat launch, and supervising volunteer crews.

Volunteer crews from the James River Hikers, Friends of the James River Parks, James River Outdoor Coalition, Hands-On-Greater Richmond and corporate partners such as Altria, the Department of Environmental Quality, school groups and boy scouts held separate work days logging a total of 1200 person hours to clear paths of invasive vines, debris and fallen trees; plant wildflowers, paint lock and canal railings, and build trash/recycling receptacles, benches, and spreading mulch, stone and riprap to finish trail edges.

RRPDC staff, aided by consultation from Ralph White (retired James River Park Superintendent) and Greeley and Hansen (Department of Public Utilities consultant), prepared narrative and graphics for design of the four interpretive signs for the trail and a fifth and sixth panel for the Chapel Island kiosk. The interpretative signs include: 1) Welcome to Chapel Island, history of the island; 2) historic Trigg Ship Yard site and remnants; 3) Tidal James at Chapel Island; and 4) Water Quality, explaining the value of the Combined Sewer Overflow retention facility located to the east of the recreational portion of the Island. The kiosk panels describe the Flora and Fauna of the Island, provide a trail map and park rules, along with a James River Park System map. The interpretative signs were installed along the trail in August and the kiosk panels were put in place in September.

A ribbon cutting ceremony is scheduled for October 15, 2013 as a joint celebration of the project with the opening of the Great Ship Lock trailhead for the Virginia Capital Trail project.

Final Products	% Completion	Anticipated Completion Date
½ mile trail system	100%	September 30, 2013
Canoe/kayak launch	100%	April 30, 2013
Interpretative signage (including installation)	100%	September 30, 2013

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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>	Project Period Open
Open	Start: End: Closeout:		
	8/1/2013 3/31/2014 6/30/2014		

Of the Middle Peninsula localities, Gloucester County is currently working to balance their maritime history and culture, along with the needs of local watermen, as key waterfront properties and infrastructure change ownership, change land uses, and/or are lost. In December, 2012, the Gloucester Board of Supervisors adopted a plan to preserve and protect the working waterfront on the Perrin River. This plan, known as the Perrin River Commercial Seafood Harbor Master Plan, was the result of a partnership between the Middle Peninsula Chesapeake Bay Public Access Authority, the Virginia Institute of Marine Science Marine Advisory Services, and the Middle Peninsula Planning District Commission. Building on this plan, this project proposes to focus on the next working waterfront area in need, Aberdeen Creek - just off the York River in Gloucester County, by developing an Aberdeen Creek Commercial Seafood Master Plan focused on maintaining services and working waterfront industries within Aberdeen Creek.

Product #1 Title: Research land records and ownership of infrastructure.
MPPDC Staff began researching zoning, land records, and ownership of infrastructure on Aberdeen Creek through county records.

Product #2 Title: Snapshot – Uses and Users of Aberdeen Creek
MPPDC Staff met with several watermen who utilize the Perrin Creek Wharf and inquired about the watermen who utilize Aberdeen Creek to begin to understand the current uses of Aberdeen Creek, the number of users, and the location of access points. It was discovered that many of the watermen who use the Perrin Creek Wharf also seasonally utilize a public dock facility on Aberdeen Creek for offloading oysters and crabs.

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

Final Products	% Completion	Anticipated Completion Date
Research Land Records and Ownership of Infrastructure	5	3/31/14
Snapshot – Uses and Users of Aberdeen Creek	5	3/31/14
Aberdeen Creek Master Plan and Management Options	0	3/31/14

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>	Project Period Open
Open	Start: End: Closeout:		
	9/1/2013 3/31/2014 6/30/2014		

During the reporting period this project was approved by NOAA. The signed contract was received by the Virginia CZM Program from the Hampton Roads PDC on October 10, 2013.

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>	Attached
Closed	Start: End: Closeout:		
	10/1/2011 3/31/2013 6/30/2013		

Year: 2011

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

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>	Attached
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>	Attached
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>	Attached
Closed	Start: End: Closeout:		
	10/1/2011 12/31/2012 9/30/2013		

A draft of the final product for this project was received in April, 2013, but had not been considered by the Hampton Roads Planning District Commission. After consideration by the Commission, changes were requested and a revised report was later adopted by the Commission and received by the Virginia CZM Program on July 13, 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>	Attached
Closed	Start: End: Closeout:		
	10/1/2011 9/30/2012 12/31/2012		

Task: 95.01	Virginia Commonwealth University	Current Federal Total:	\$57,922.00
Virginia Ocean Spatial Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	11/1/2011 6/30/2013 9/30/2013		

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>	Attached
Closed	Start: End: Closeout:		
	2/15/2013 3/31/2013 6/30/2013		

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

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

Task: 95.03	Longwood University	Current Federal Total: \$42,078.00	
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	3/31/2014	6/30/2014

Kathleen Register (Clean Virginia Waterways/Longwood University) conducted a literature review that included existing litter prevention and solid waste management strategies, programs, public policies, economic considerations, and initiatives in Virginia and other states. Among others, the following documents were reviewed:

- Eliminating Land-based Discharges Of Marine Debris In California: A Plan of Action from The Plastic Debris Project. 2006. California Coastal Commission
- Hawai'i Marine Debris Action Plan. 2012-13.
- Guidelines on the Use of Market-based Instruments to Address the Problem of Marine Litter. 2009. UN Environmental Programme
- The Honolulu Strategy: A global framework for prevention and management of marine debris. 2011. UNEP/NOAA
- Proceedings of the international research workshop on the occurrence, effects and fate of microplastic marine debris. 2008. NOAA

Ms. Register created an outline (table of contents) for the Virginia Marine Debris Reduction Plan document, and received input on the outline from the Virginia Coastal Zone Management Program staff, DEQ's Pollution Prevention Program Director, and DEQ consultants, as well as John Kuriawa from NOAA's Coastal Office in the Chesapeake Bay. Adam Saslow, a consultant on EPA's Trash Free Waters initiative, also offered input.

Laura McKay (VA CZM), Katie Register (CVW/Longwood University) and Todd Janeski (VA CZM consultant) attended the US EPA Mid-Atlantic Trash Free Waters Information Sharing and Tactical Planning Session in August that included 24 people from 14 stakeholder groups. Ms. McKay discussed the Virginia CZM's Feb 2013 Virginia Marine Debris Summit, potential linkages to MARCO, Governor McDonnell's June 2013 executive order on marine debris, and a NOAA/CZM grant to the Virginia Aquarium and Clean Virginia Waterways to establish a shoreline monitoring protocol. Ms. Register discussed the Virginia Marine Debris Reduction Plan and progress to date on the two grants. The Virginia Marine Debris Reduction Plan may serve as a resource for a mid-Atlantic marine debris strategy.

Ms. Register started collecting input from stakeholders, a process that will continue through October and November. Todd Janeski (funded from CZM FY 12, Task 95) assisted with portions of this research.

Final Products	% Completion	Anticipated Completion Date
Product #1 : Background research, establishing advisory team & goals for the Plan	90%	October 31, 2013
Product #2 Research and draft writing	10%	January 15, 2014
Product #3 Integrate input from advisory team and stakeholders into document	0%	February 15, 2014
Product #4 Final report	0%	March 30, 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2011

**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>	Project Period Open
Open	Start:	End:	Closeout:		
	5/1/2012	12/31/2013	3/31/2014		

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.

Seaside Recreational Use Aerial Survey GIS Data

A-NPDC coordinated with VCZM to develop a methodology for analyzing the data from the aerial survey photos. A-NPDC has begun processing 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 is compiling all observed counts of recreational uses into a GIS dataset that will be incorporated into the final report.

Seaside Recreational Use Participatory GIS Workshop & Meeting Data

A-NPDC held a 3-day workshop in summer 2012 with the first day consisting of Participatory GIS Orientation & Staff Training and the other 2 days consisting of the workshop. Following the workshop, comments and review of draft maps were solicited from participants and other stakeholders who were unable to attend. There were no revisions suggested during the outreach process, and the data was determined to be complete. It was determined during the development of the workshop that including the entire suite of cultural uses in the workshop was not feasible due to the mapping methodology and time restraints, and therefore cultural uses with the exception of Scenic & Natural Views and Historic & Culturally Important Areas were omitted from the assessment.

Seaside Recreational Use Assessment Report

An extension for the project was granted to allow for ample time for incorporating all data generated during the literature search, workshops, and aerial surveys. A draft version of the report is well underway and is expected to be completed in the near future.

SAV Restoration Goal & Management Report

A-NPDC and VA CZM coordinated a meeting with VIMS, VMRC, and VCZM to determine the feasibility for determining SAV restoration goals and management options. The meeting resulted in the successful determination of specific areas suitable for SAV restoration and discussion of new state permit review policies that would consider SAV suitability prior to issuance. A-NPDC is currently drafting a report of outcomes and a presentation that will ultimately be used to drive discussions with the commercial fishing industry and VMRC. CZM staff, Nick Meade, is creating the accompanying maps.

Final Products	% Completion	Anticipated Completion Date
Seaside Recreational Use Literature Search	100%	2/31/2013
Seaside Recreational Use Aerial Survey GIS Data	75%	12/31/2013
Seaside Recreational Use Participatory GIS Workshop & Meeting Data	100%	12/31/2013
Seaside Recreational Use Assessment Report	75%	12/31/2013
SAV Restoration Goal & Management Report	75%	12/31/2013