

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from e?

Task: 1	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$292,519.00
Coastal Program Management			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2013 3/31/2015 6/30/2015		

This task is complete however \$5,390 remains unspent but will likely be transferred to another task under DEQ's 10% authority.

Task: 1.01	Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R	Current Federal Total:	\$106,015.00
Coastal Management Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Progress Reports Constitute Final Product
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 1.02	Virginia Commonwealth University	Current Federal Total:	\$89,815.00
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:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 1.03	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$93,516.00
Virginia CZM Program Outreach & Publications			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2015 12/31/2015		

Funds remaining in this task were used this reporting period to print the Fall 2014 Virginia Coastal Zone Management magazine and for digital advertising for Plant ES Natives fall public events in September. There is a \$5,869.62 balance in this task. Since the FY 2013 award is open through September 30, these funds are available to print the Virginia Marine Debris Reduction Plan publication.

Final Products	% Completion	Anticipated Completion Date
Multi-Media Outreach Strategies	100%	
Printed Media	50%	9/30/15
Events and Training	100%	
Electronic Media	100%	

Task: 2	Back Bay Restoration Foundation	Current Federal Total:	\$2,500.00
Virginia Beach Watersheds Forum			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

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Task: 3	Dept. of Environmental Quality - Environmental Impact Review	Current Federal Total:	\$219,135.00
EIR and Federal Consistency			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2013 3/31/2015 6/30/2015		

Funds from Grant Year FY 2013 were extended for the purposes of funding staff time for Charles Ellis. Charles completed four projects located within the Coastal Zone from January 1, 2015 and March 31, 2015, all under Subpart C for direct federal actions. Other duties during this time included review of the federal register and federal agency websites to identify federal projects requiring Office of Environmental Impact Review coordination. Funds expended during this time for Charles Ellis equaled \$8,477.

Final Products	% Completion	Anticipated Completion Date
Federal consistency determinations and certifications responses	100	

Task: 4	Dept. of Environmental Quality	Current Federal Total:	\$0.00
Water Quality Improvement Fund (WQIF) Match- City of Richmond 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:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 5	Virginia Marine Resources Commission	Current Federal Total:	\$160,000.00
Permit Review & Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 6	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 7	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

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Task: 8	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2013 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:		
	10/1/2013 12/31/2014 3/31/2015		

The final report for the baywide 2013 SAV monitoring program was successfully submitted on time. The 2013 SAV final report and data can now be viewed at: <http://web.vims.edu/bio/sav/sav13/index.html> and also on the interactive map: <http://web.vims.edu/bio/sav/maps.html>.

Final Products	% Completion	Anticipated Completion Date
Final Report	100%	

Task: 9	Dept. of Conservation & Recreation - Natural Heritage	Current Federal Total:	\$27,000.00
Healthy Waters Initiative and VNEMO Program in Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2015 12/31/2015		

For the grant reporting period, the Environmental Scientist/Analyst with the Virginia Commonwealth University Center for Environmental Studies in the Department of Life Sciences continued to serve as the Program Manager of the Virginia Healthy Waters Program. At the end of the grant project period unspent monies remained and were extended to Sept 30, 2015. Refocusing of the funds were to directly support the VA Oyster Shell Recycling Program through the development and acquisition of communication materials and supplies.

Outreach materials for the Program were developed to improve the visibility and branding. These materials included a banner that replicates the bumper sticker, "Don't Shuck That Chuck" but to be used in the front of tables or hung during events. Additional logo decals and stickers were produced as the overall supply had diminished and were affixed to newly acquired five gallon, food-grade buckets to be supplied to restaurants and businesses. Signage to be posted at the intermediary storage location was finalized and produced.

During the Project period, the following new businesses were added to the Program: Sam Rust Seafood of Hampton VA, Tuckahoe Seafood of Henrico VA, Shooting Point Oyster Company, Southbound Restaurant of Bon Air VA, Savory Grain restaurant of Richmond VA, York River Oyster Co Restaurant of Gloucester VA. Plans to initiate collection in Hampton, Newport News and the Northern Neck commenced concluding with the identification of two new intermediary storage bin locations in Hampton and the Northern Neck. Partnerships were forged with the Tidewater Oyster Growers Association, Kilmarnock and Lancaster County VA.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Initiative and VNEMO Program Final Report	100%	Sept, 2015

Task: 10	Dept. of Conservation & Recreation	Current Federal Total:	\$0.00
Acquisition of Dune Woodlands Adjacent to Pickett's Harbor NAP			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Proposed	Start: End: Closeout:		
	5/1/2014 12/31/2014 3/31/2015		

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Task: 10.01	Dept. of Conservation & Recreation			Current Federal Total:	\$28,500.00
A Beautiful Woods - the Fee Purchase of 1.1 acres of dune woodlands to expand the Pickett's Harbor Natural Area Preserve, Northampton					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

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

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

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

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

Task: 10.02	Dept. of Conservation & Recreation			Current Federal Total:	\$107,500.00
A Beautiful Woods - the Fee Purchase of 1.1 acres of dune woodlands to expand the Pickett's Harbor Natural Area Preserve, Northampton					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2014	9/30/2015	12/31/2015		

On September 19, 2014, the Director of the Virginia Department of Conservation and Recreation (DCR) signed a letter of intent with The Nature Conservancy to establish a partnership with The Nature Conservancy (TNC) to purchase Lot 2 in the ten lot "Bluff" subdivision at Pickett's Harbor. The letter expressed DCR's interest in purchasing Lot 2 from TNC if TNC is successful in purchasing the lot from its current owner. The terms of the relationship between DCR and TNC are laid out in that letter and are in compliance with the Memorandum of Agreement regarding natural area land acquisition between the two organizations.

The current and future owners of each of the ten lots at "The Bluff" are legally bound to the terms of a road maintenance agreement (the road agreement) and declaration of restrictive covenants (the declaration) which require that each owner forever share in the cost of maintaining the access road and the offshore breakwaters, as well as other responsibilities and obligations. DCR, as the potential future owner of Lot 2, cannot bind itself to future payments or obligations such as these. As a result, the Commonwealth of Virginia and TNC, and the attorney representing the ten lots owners have prepared releases for DCR from the road agreement and declaration, if DCR would become the owner of Lot 2 at The Bluff. These releases have been presented to the owners of lots 1 through lot 10 at The Bluff for their signature. If DCR is not able to purchase Lot 2 from The Nature Conservancy, TNC would place the lots on the market to sell to a private owner as is their status today, and that new owner would be bound to the road agreement and the declaration.

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

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

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**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
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Task: 11	Virginia Institute of Marine Science	Current Federal Total: \$161,000.00	
Seaside Restoration			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	4/1/2014	9/30/2015	12/31/2015

Eelgrass Restoration: Seeds were broadcast on October 1 into 11 one acre plots in Spider Crab and South bays at a seed density of 153,000 seeds per acre for a total of approximately 1,683,000 million seeds. The total for the coastal bays for 2014 seeding was 51 plots with 7,683,000 million seeds. Faunal samples were collected in South Bay in October, while fishes were sampled in October. Processing of benthic samples proceeded during these months.

Water Quality Monitoring: Dataflow cruises for integrated measure of shallow water quality were recorded every 50 meters of the cruise track (e.g. salinity, temperature, turbidity, etc) and were successfully completed on October 13, November 13, 2014 and March 10, 2015 for the South Bay, Cobb Bay, Spider Crab Bay and Hog Island Bay restoration areas. Taking similar measurements as the dataflow cruises, but taken at 15 minute intervals, the continuous water quality monitoring stations in South Bay and Spider Crab Bay operated from October 1, 2014 through approximately the third week of February, 2015 when real time telemetry of data stopped. During this period in February, extended periods of cold weather occurred creating heavy icing conditions in the Coastal Bays. When finally able to get a boat out and check on the stations in early March, they were both gone and all instrumentation lost. VIMS insurance is covering the loss and new instruments have been ordered. Until March, real time data could be observed at <https://stormcentral.waterlog.com/public/vims>. The new instruments should be up and running in late May or early June.

Scallop Restoration: During this period, VIMS had as many as 309,000 scallops within cages in the grassbed at one time. A cohort spawned in the fall 2013 had over 49,000 adult scallops in the cages at the beginning of Oct. In keeping with the restoration strategy, these were released directly into the grassbed on Oct. 6, 2014. Bay scallops from spring 2014 spawns held in the grassbed at the beginning of this period totaled 195,000. By spring 2015 these animals had grown too large for the exiting cage capacity. In April 2015 they will be thinned to a total of 120,000 in cages and the remaining animals released into the grassbed. Sixty-five thousand small juveniles from fall 2014 spawns were placed in cages in the grassbed in early Oct. 2014. By the end of the winter, 31,000 of these had survived which, given their small size and the severity of the winter, is considered a great success. In total, this is by far the most bay scallops that VIMS has succeeded in placing in cages in the grassbed during the 6 years of this effort. Though survival assessments are not yet completed, it appears that despite the most severe winter in several decades that good survival was realized through the winter.

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

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**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from #Name?**

Task: 41	Accomack-Northampton Planning District Commission			Current Federal Total:	\$32,617.00
A-NPDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Attached
Closed	Start:	End:	Closeout:		
	10/1/2013	2/28/2015	6/30/2015		

Climate Adaptation Working Group

All activities were completed prior to October 1, 2014, and no additional activity occurred during the current reporting period. The grant was extended to accommodate additional time needed on the Land Preservation Report.

Coastal Management Trainings

All activities were completed prior to October 1, 2014, and no additional activity occurred during the current reporting period. The grant was extended to accommodate additional time needed on the Land Preservation Report.

Technical Assistance

All activities were completed prior to October 1, 2014, and no additional activity occurred during the current reporting period. The grant was extended to accommodate additional time needed on the Land Preservation Report.

Ground Water Committee

All activities were completed prior to October 1, 2014, and no additional activity occurred during the current reporting period. The grant was extended to accommodate additional time needed on the Land Preservation Report.

Uniform Land Preservation & Policy Report for Northampton County & Accomack County

A-NPDC hosted an additional working group meeting to review and edit the final report. A-NPDC staff presented the report to the A-NPDC and Southern Tip Partnership and incorporated all feedback received. The report was finalized and distributed to all agencies represented in the working group.

Benefits Accrued from Prior CZM Grants Report – The report was updated to include up-to-date benefits and submitted on 3/31/15.

Plant ES Natives Campaign Partnership

All activities were completed prior to October 1, 2014, and no additional activity occurred during the current reporting period. The grant was extended to accommodate additional time needed on the Land Preservation Report.

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Report	100%	3/31/2015
Coastal Management Training Report	100%	3/31/2015
Technical Assistance Report	100%	3/31/2015
Ground Water Committee Report	100%	3/31/2015
Uniform Land Preservation & Policy Report	100%	3/31/2015
Benefits Accrued from Prior CZM Grants Report	100%	3/31/2015
Plant ES Natives Campaign Partnership	100%	3/31/2015

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:		
	10/1/2013	9/30/2014	12/31/2014		

Task: 43	Hampton Roads Planning District Commission			Current Federal Total:	\$60,000.00
Hampton Roads Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Attached
Closed	Start:	End:	Closeout:		
	10/1/2013	12/31/2014	3/31/2015		

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Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

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:		
	10/1/2013 9/30/2014 12/31/2014		

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:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 47	George Washington Regional Commission	Current Federal Total:	\$30,000.00
GWRC Coastal Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

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:		
	10/1/2013 9/30/2014 12/31/2014		

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**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
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>	Attached
Closed	Start: End: Closeout:		
	1/1/2014 12/31/2014 3/31/2015		

This grant officially started on January 1, 2014. During the period from October through December 2014, the Virginia Aquarium Stranding Response Program (VAQS) recorded 56 strandings in Virginia. There were 117 strandings recorded during the same period in 2013.

The VAQS Stranding Team responded to nine marine mammal strandings in Virginia during this reporting period. Eight (89%) of the strandings were located in Virginia Beach and one (11%) was located in Norfolk. The cetacean species included six bottlenose dolphin (*Tursiops truncatus*), two pygmy sperm whale (*Kogia breviceps*) and one minke whale (*Balaenoptera acutorostrata*). There were no pinniped strandings during this reporting period. The two pygmy sperm whales stranded alive in very poor condition and were euthanized. One bottlenose dolphin was captured in a commercial haul seine net in Virginia Beach and then released alive. The bottlenose dolphin UME that began in 2013 was still active at the end of December 2014, though dolphin mortalities in Virginia had all but ceased. There have still been some dolphin mortalities associated with the cetacean morbillivirus in coastal regions of FL and isolated cases elsewhere along the Atlantic coast, including potential cases involving several other cetacean species.

There were 47 sea turtle strandings recorded in Virginia during this reporting period. Of the strandings, 16 (34%) were located in Virginia Beach, nine (19%) in Norfolk and other south-side cities, 19 (41%) on Virginia's eastern shore, and the remainder (3 = 6%) along the western shores of Chesapeake Bay north of the James River. The sea turtle species included 26 Kemp's ridley (*Lepidochelys kempii*), 17 loggerhead (*Caretta caretta*) and four green (*Chelonia mydas*). Eleven of the stranded turtles were cold-stunned, and there were 18 animals with evidence of vessel strikes. Five live sea turtles stranded during the reporting period and many turtles remained in rehabilitation from previous strandings. In addition to Virginia strandings, the VAQS received 10 cold-stunned Kemp's ridleys from the New England Aquarium for rehabilitation. In total, 15 sea turtles remained in rehabilitation at the end of 2014. A complete summary of live sea turtle recovery, rehabilitation and release will be included in the final project report.

VAQS Staff attended professional meetings and made several formal presentations during this reporting period. There were also educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area and to stranding network volunteers and cooperators. 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	100 %	December 31, 2014
Personnel and Cooperator Training Activities	100 %	December 31, 2014
Public Education and Outreach Activities	100 %	December 31, 2014

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:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 51	Middle Peninsula Planning District Commission	Current Federal Total:	\$40,000.00
Preserving Aberdeen Creek Working Waterfronts: Survey and Study of Dredging, Working Waterfront Infrastructure and Financial Need			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

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Task: 52	Middle Peninsula Planning District Commission	Current Federal Total:	\$16,798.00
Middle Peninsula Water Reuse Study			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 53	Accomack-Northampton Planning District Commission	Current Federal Total:	\$16,667.00
Eastern Shore Transportation Infrastructure Inundation Vulnerability Assessment			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Submit w/next Semiannual Report
Closeout	Start: End: Closeout:		
	10/1/2013 3/31/2015 6/30/2015		

ES TIIVA Data

All GIS data for the NOAA inundation models and VDOT roadway data were compiled and all GIS buffer analyses have been completed. The final maps have been produced illustrating road segments expected to be inundated at various sea level scenarios from 1-6' at one foot increments. Assessments have been completed to determine communities that may not become inundated but are likely to become disconnected or access limited due to inundation of access roads.

ES TIIVA Report

A-NPDC has completed a final draft of the report and disseminated the report to project stakeholders for comment. Final stakeholder input will be incorporated into the report and the final version will be posted and distributed electronically.

ES TIIVA Government and Community Engagement

A-NPDC presented summary presentations to the A-NPDC Board, ES Climate Adaptation Working Group, and ES Rural Technical Transportation Advisory Committee. The project was featured at a Virginia Transportation Conference and is scheduled to be featured in an upcoming edition of the Eastern Shore News. The project's outcomes were incorporated into the ES Rural Technical Transportation Advisory Committee's 6-year transportation project prioritization criteria, the ES Hazard Mitigation Plan, and referenced in a Federal Lands Access Program grant application for enhancement of the Chincoteague Causeway. The project continues to be a popular item for discussion in local and state government meetings related to recurrent flooding.

Final Products	% Completion	Anticipated Completion Date
ES TIIVA Data	100%	March 31, 2015
ES TIIVA Report	100%	March 31, 2015
ES TIIVA Government & Community Engagement	100%	March 31, 2015

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for the period from #Name?**

Task: 54	Hampton Roads Planning District Commission			Current Federal Total:	\$19,834.00
Hampton Roads Sea Level Rise Planning and Technical Assistance					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	1/1/2014	9/30/2015	12/31/2015		

Sea Level Rise Inundation Map Update: HRPDC staff tested out a new methodology for mapping inundation areas and is in the process of finalizing it. HRPDC staff coordinated with localities to identify tidally influenced or connected areas not identified as such through the regional digital elevation model. HRPDC staff has identified sea level rise and flooding scenarios to map in consultation with the HRPDC Special Committee on Recurrent Flooding and Sea Level Rise.

Sea Level Rise Adaptation Technical Working Group: The HRPDC Special Committee on Recurrent Flooding and Sea Level Rise held two (2) meetings during this period, the first on December 19 and the second on March 13. At the first meeting, the Committee voted to recommend that the HRPDC adopt a resolution encouraging local freeboard requirements. The Committee also heard updates on several local, regional, and state efforts. The second meeting's discussion was focused on two ongoing efforts: the state's National Disaster Resilience Competition application and efforts to hold a Dutch Dialogues workshop in Hampton Roads. The Committee also discussed how sea level rise and flooding should be included in the HRPDC's work program.

Sea Level Rise Analysis Case Studies: HRPDC staff is working with localities to identify useful and appropriate locations and scenarios for case study analysis.

Adaptation Technical Assistance to Local Governments: HRPDC staff is working with localities to identify planning needs related to sea level rise and flooding.

Public Outreach/Education and Coordination: HRPDC staff has made several presentations on local and regional efforts to prepare for sea level rise and flooding (outreach and education) and has also coordinated with other institutions on various efforts, including grant applications and general government-academic-stakeholder collaboration. Partners include Old Dominion University, the College of William and Mary, and the Virginia Institute of Marine Science.

Final Products	% Completion	Anticipated Completion Date
Sea Level Rise Inundation Map Update	30%	September 30, 2015
Sea Level Rise Adaptation Technical Working Group	75%	September 30, 2015
Sea Level Rise Analysis Case Studies	25%	September 30, 2015
Adaptation Technical Assistance to Local Governments	25%	September 30, 2015
Public Outreach/Education and Coordination	75%	September 30, 2015

Task: 55	Hampton Roads Planning District Commission			Current Federal Total:	\$19,651.00
Developing a Native Plants Promotion Strategy for Hampton Roads					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	1/1/2014	9/30/2015	12/31/2015		

This task has been extended to 9/30/15. Virginia CZM staff met with representatives from HRPDC regarding the lack of progress and agreed on a new timeline for completing the products identified in the scope of work. No stakeholder meetings were held during the reporting period, but a meeting has been scheduled for 5/5/15.

Final Products	% Completion	Anticipated Completion Date
#1: Stakeholder Steering Committee	30%	9/30/15
#2: Native Plants Needs Assessment	50%	6/30/15
#3: Hampton Roads Native Plants Strategic Plan	0%	9/30/15

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from #Name?

Task: 56	Northern Virginia Regional Commission	Current Federal Total:	\$12,177.00
Site Selection and Design of a Conservation Landscaping Workshop			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Closeout	Start:	End:	Closeout:
	1/1/2014	3/31/2015	6/30/2015

Workgroup

To inform the development of the workshop and select a site for installation of the conservation landscape, NVRC formed a collaborative workgroup. Stakeholders in the workgroup included Arlington County, Northern VA Soil and Water Conservation District, George Washington University, Chesapeake Stormwater Network, Northern VA Conservation Trust, Wetlands Watch, and City of Falls Church. During this time period NVRC staff developed the workgroup outcome report which includes meeting agendas, summaries, specific outcomes and workgroup recommendations.

Site Selection and Analysis

The Site Selection and Analysis report was under development during this time period. The report identifies the site that was selected for installation of the conservation landscape in Falls Church. The site was selected for several reasons; 1) it could be converted from turf to conservation landscape, 2) it is located in the riparian zone of an impaired stream (Tripps Run), 3) the site enhances the green infrastructure of an urban landscape, 4) it connects to an existing native plant trail and illustrates the concept of conservation corridors, 5) the City of Falls Church provided matching funds and will maintain the site, 6) it is publicly owned land (owned by City of Falls Church), 7) the site is highly visible from the roadway and offers an excellent opportunity for educational signage, 8) will reduce the volume of urban stormwater runoff from an adjacent parking lot by intercepting it before it enters Tripps Run, 9) restores the Resource Protection Area (RPA) and 10) improve the water quality of Tripps Run.

Conservation Landscaping Technical Design Workshop

The Conservation Landscaping Workshop was divided into two parts. Part 1 took place on July 16 at the Fairfax County Herrity Building located at 12055 Government Center Parkway, Fairfax, VA 22035 from 9:30 am – 2:30 pm. Part 1 of the workshop focused on how to select and design conservation landscape practices for homeowners in Northern Virginia. The target audience for the workshop were landscape professionals (designers, architects, contractors), stormwater BMP inspectors, or general public that have a strong background in gardening/landscaping but wanted to learn more about creating a stormwater friendly landscape.

Presentation materials, workshop summary, attendance list, and photos from Part 1 of the workshop were compiled during this time period.

Part 2 of the workshop which was funded under Task 57 of NOAA Grant # 13NOS4190135 was scheduled for October 8, 2014. The second part of the workshop was focused on installation and maintenance and contained a hands-on learning component.

306 A Documentation

NVRC had previously completed the 306A documents for the selected site and no further progress was made on this deliverable during this time period.

Final Products	% Completion	Anticipated Completion Date
Workgroup Outcome Report	100%	October 15, 2014
Site Selection and Analysis Report	100%	April 30, 2015
Workshop	100%	September 30, 2014
306A Documentation	100%	September 30, 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from #Name?**

Task: 57	Northern Virginia Regional Commission	Current Federal Total:	\$10,873.00
Installation of Conservation Landscaping Project			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	9/15/2014 9/30/2015 12/31/2015		

Product #1

Title: Installation of a Conservation Landscape Technical Workshop

The 'Installation of a Conservation Landscape Technical Workshop' was held on October 7, 2014. The target audience was landscape professionals and local government staff. The workshop was the second part of a two-part series on residential best management practices for stormwater management. The curriculum was focused on installation and maintenance of conservation landscapes and featured a hands-on component. During the hands-on component, participants installed the conservation landscape and learned about soil amendment and site preparation, native plant identification, proper planting techniques, mulch requirements and landscape maintenance.

The participants removed invasive plants, spread mulch, and planted hundreds of native grasses, perennials, shrubs, and trees at the demonstration site.

Final Products	% Completion	Anticipated Completion Date
Installation of a Conservation Landscape Technical Workshop	85%	September 30, 2015

Task: 81	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$45,000.00
Monitoring 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:		
	1/1/2014 12/31/2015 2/29/2016		

Survey Coordinator, Christina Trapani, continues to work with a volunteer team of up to 20 persons. Volunteers have come from the Tidewater Chapter of the Virginia Master Naturalists, Virginia Beach Clean Community Commission, BBNWR, CNWR and the Virginia Aquarium Stranding Response Team. Volunteers contributed 297.5 hours in this reporting period, and more than 625 hours on the project to date. While more than 20 volunteers are currently available, seven core volunteers from the Aquarium and CNWR have assisted in completing a majority of the survey work.

During this reporting period, beach surveys were conducted monthly from October through March at the four Virginia study sites. Coordinator Trapani completed 24 monthly surveys at the four sites: Fisherman Island National Wildlife Refuge (FINWR – 7 surveys), Chincoteague National Wildlife Refuge (CNWR – 6 surveys), Back Bay National Wildlife Refuge (BBNWR – 6 surveys) and Grandview Nature Preserve (GNP – 5 surveys). One survey at GNP was cancelled in February due to inclement weather and snow cover on the beach. Since initiation of the project in April 2014, a total of 50 surveys have been completed. In addition, annual updates of the Site Characterization Forms were completed in March for three of the sites per the NOAA protocol. The fourth site will be completed in April and then the forms will be submitted. The research permit for FINWR was updated for 2015. Data for all survey sites have been collected monthly and photos have been taken per the protocol.

Clean Virginia Waterways (CVW) continued to enter data in NOAA's Marine Debris Monitoring and Assessment Project Field Survey Data Collection Site (<http://md-map.net>) and was in contact with the NOAA MDP staff about some of the new data requests (timing of low tides, etc.). In January, project partner Katie Register (CVW) attended and contributed to a NOAA Marine Debris Program meeting which was focused on marine debris data collected by citizens.

Final Products	% Completion	Anticipated Completion Date
Program Set-up	100%	April 30, 2014
Data Collection	66%	September 30, 2015
Data Management & Analysis	25%	December 31, 2015
Final Report	0%	March 31, 2016

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from #Name?

Task: 92	Virginia Institute of Marine Science	Current Federal Total:	\$47,000.00
Developing a Working Waterfronts Plan for Virginia's Coastal Zone; Year 3			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2013 9/30/2015 12/31/2015		

Economic assessments have been completed for Northampton County Aquaculture and Fisheries working waterfront impact. The L.D. Amory & Company of Hampton Virginia seafood unloading facility draft report is under revision. The economic model for Aberdeen Creek has been run and a report is being drafted. The modelling for the Weems case study is about to be initiated.

PDCs have drafted planning and zoning assessments related to Willis Wharf, Weems and Aberdeen Creek. Those are being reviewed and will be included in the final report.

A six month extension on this work was granted by VCP to allow completion of the final economic impact model for Weems and development of a final report included the economic assessments and the PDC working waterfront site reviews

Final Products	% Completion	Anticipated Completion Date
WWF Economic Assessments	75%	9/30/15
Expanded Communication	100%	
Development of Plan and tools for WWF retention	75%	9/30/15

Task: 93.01	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$126,500.00
Shoreline Management Planning			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Attached	
Closed	Start: End: Closeout:		
	10/1/2013 12/31/2014 3/31/2015		

Product #1: Northumberland and Fairfax Shoreline Evolution Reports completed.

Product #2: James City County Shoreline Inventory completed.

Product #3: Fairfax & Charles City Co. Shoreline Management Plans completed.

Final Products	% Completion	Anticipated Completion Date
#1 Northumberland and Fairfax Shoreline Evolution Reports	100%	December 31, 2014
#2 Shoreline Inventory James City County	100%	December 31, 2014
#3 Fairfax & Charles City Co. Shoreline Management Plan	100%	December 31, 2014

Task: 94.01	Hampton Roads Planning District Commission	Current Federal Total:	\$84,600.00
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:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 94.02	Middle Peninsula Planning District Commission	Current Federal Total:	\$47,022.00
Land and Water Quality Protection in Middle Peninsula Phase III			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Attached	
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from #Name?

Task: 95.01	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$81,884.00
Virginia Ocean Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Task: 95.02	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$63,994.00
Offshore Energy Planning: Documenting Location of Megafauna off Virginia's Coast			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Attached
Closed	Start: End: Closeout:		
	1/1/2014 12/31/2014 3/31/2015		

For this project, VAMSC have completed filed work and are compiling the final contract report. During the project, VAMSC conducted surveys in May, June, and Sep-Dec., and a total of nine surveys were conducted. A total of 45 track lines (4830.2 km) flown over 36.6 hours were covered in the Virginia survey area during the reporting period.

A total of 54 sightings of 552 cetaceans were encountered while on effort (i.e. on a designated trackline and actively surveying) during the 9 days of aerial surveys in the study area. Four species of cetaceans were photo-documented, including bottlenose dolphins (*Tursiops truncatus*), common dolphins (*Delphinus delphis*), Atlantic spotted dolphin (*Stenella frontalis*), and humpback whales (*Megaptera novaeangliae*).

A total of 183 sightings of 340 sea turtles were recorded during the survey period. Ninety-five percent of the turtle sightings (n=174) were identified as loggerhead sea turtles (*Caretta caretta*). There were nine sightings of 11 turtles where species identification could not be established with 100% certainty, and they are listed as "unidentified turtle".

One sighting of two ocean sunfish (*Mola mola*) was recorded in September. The conservation status of this species has not been evaluated. There were seven sightings of individual manta rays (*Manta birostris*) in June and September. There were 24 sightings of 3,320 cownose rays (*Rhinoptera bonasus*).

A total of 105 large vessels (e.g. tankers, car carriers, container, and naval vessels) were observed in the survey area. A total of 69 individual small vessels (e.g. recreational vessels- sail, parasail, sport fishing boats) were observed within the study period.

The final report and associated spatial data will be delivered by February 15th, 2015.

Final Products	% Completion	Anticipated Completion Date
Contract report	100%	15 Feb 2015
Spatial data	100%	15 Feb 2015