

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 1 Dept. of Environmental Quality - Virginia Coastal Zone Management Program  
Coastal Program Management

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    3/31/2009    6/30/2009		

Work performed during this period is described in the attached compilation of weekly reports.

Task: 1.01 Virginia Institute of Marine Science  
Coastal Program Management Support

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

This task funds half of one of our Coastal Planners through a contract with VIMS. See Task 1 for progress.

Task: 1.02 Virginia Commonwealth University  
Coastal GIS Support

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2007		

The GIS position was filled and Nick Meade began work on March 10, 2008. Funds accrued prior to that date are being reprogrammed. About \$16,000 was used to fund work on program changes by the Environmental Law Institute (see Task 1.04). Work undertaken by this position is described in the weekly reports attached to Task 1.

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Task: 1.03 Dept. of Environmental Quality - Virginia Coastal Zone Management Program  
Outreach and Publications

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2007	End: 9/30/2008	Closeout: 12/31/2008

During this reporting period, the Outreach Coordinator:

- initiated production of the Spring/Summer 2008 issue of the Virginia Coastal Zone Management Program magazine, which should be released by the end of June. Release of a Fall/Winter 2007 issue which would have been released during this period was cancelled due to staffing shortages and subsequent workload restraints in the VA CZM Office.
- coordinated final planning and on-site logistics for the 2007 Virginia Coastal Zone Partners Workshop, held December 6 & 7, 2007 in Portsmouth. All workshop presentations are on-line - [www.deq.virginia.gov/coastal/workshop.html](http://www.deq.virginia.gov/coastal/workshop.html). The OC secured a keynote speaker from the Pew Center on Global Climate Change, organized a plenary session on assessing your ecological footprint and an exhibit area, and facilitated a session on the new VA CZM new focal area.
- maintained the Virginia CZM websites, including sub-sites for the Seaside Heritage Program, Seaside Water Trail and Coastal GEMS. Seven new land conservation web pages were drafted, including land acquisition projects, public access authorities, Southern Tip Partnership, and CELCP - <http://www.deq.virginia.gov/coastal/vaczmlandconservation.html>. A new VA CZM boundary map was created and available on the website - <http://www.deq.virginia.gov/coastal/coastmap.html>.
- successfully completed an on-line course titled "Communication for Behavior Change" with the Duke Environmental Leadership Program in February. Since the final project for this course was design of a new social marketing campaign plan, the OC proposed it as an opportunity to outline the Eastern Shore based campaign budgeted under FY 07 Task 11.07. The goal of the campaign is to remove the barriers residential landowners perceive to buying and using native plants and increase native vegetation on the Eastern Shore. The OC has formed an Eastern Shore Native Plant Campaign Planning Team to help guide development and implementation of the campaign. The team met in February where they received an overview of social marketing and began discussion of the first phase of the campaign – an assessment. With NOAA approval of the FY07 Task 10.07 scope of work, the assessment will be conducted in July and August, including focus groups, written surveys and interviews.
- assisted with grants management tasks in the absence of a Grants Coordinator, including setting up a new digital file structure of file products and distribution of progress report reminders.
- facilitated exhibits at the 2007 Virginia State Fair, ES Birding and Wildlife Festival, Dragon Run Day, National Submerged Lands Conference, Urbanna Oyster Festival, and the Back Bay Conference in Virginia Beach.

Final Products	% Completion	Anticipated Completion Date
Virginia Coastal Zone Management Magazine	15%	June 2008
2007 Virginia Coastal Zone Partners Workshop	100%	
Website	50%	September 2008
Exhibits	50%	September 2008

Task: 1.04 Environmental Law Institute  
Assessment for Off-shore Energy Development Impact Readiness: Implementation Evaluation; Air Program and Dunes Protection Routine Pr

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 4/1/2008	End: 12/31/2008	Closeout: 3/31/2009

A scope of work was prepared and submitted to the NOAA grantsonline system on March 27 and approved on April 9. A contract is now in place and work has begun.

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Task: 2      TBD				
Quick Response Grants				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Proposed	Start:	End:	Closeout:	
	10/1/2007	12/31/2008	3/31/2009	

\$10,651 remains in this quick response grant task. It is anticipated that a scope of work to expend that balance will be submitted to NOAA for approval during the next reporting period.

Task: 2.01      Back Bay Restoration Foundation				
Back Bay Restoration Foundation "State of the Bay" Conference				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Submit w/next Semiannual Report
Open	Start:	End:	Closeout:	
	1/1/2008	6/30/2008	9/30/2008	

The Back Bay Forum 2008 was held on March 13, 2008, with presentations from local state and federal agencies along with non-profit and private enterprises with an interest in Back Bay. The Forum was well attended and each participant received a CD containing each presentation. An Action Plan, based on topics discussed at the Forum, is now being produced.

Final Products	% Completion	Anticipated Completion Date
Forum Agenda	100	
CD of Presentations	100	
Action Plan	50	6/30/08
Web Site Link	90	6/30/08
Survey	80	6/30/08

Task: 3      Dept. of Environmental Quality - Environmental Impact Review				
EIR and Federal Consistency				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

During the first half of FY 2007, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 114 development projects and management plans for consistency with the VCP. This represents 72% of the total amount of projects (157) reviewed during this period. Major state projects accounted for 27 projects, 49 were federal actions, and 38 were federally funded projects (predominantly local government projects). The 49 federal projects included 45 direct federal actions and 4 federal action licenses and approvals. On October 10, 2007, Anne Pinion started as our new EIR/Federal Consistency Coordinator in OEIR. Anne previously worked in the OEIR and VCP and replaces Charlie Ellis, a senior Federal Consistency Coordinator, retired with over 30 years of service. The OEIR continues to maintain a website for Federal Consistency for the site can be accessed through DEQ's main webpage or found at <http://www.deq.virginia.gov/eir>. This webpage includes the Commonwealth's Federal Consistency information package, a project list with project descriptions, and links to the DEQ main webpage for public notices of Federal consistency reviews. The webpage is updated weekly.

Work is on schedule and 50% complete.

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Task: 4 Dept. of Environmental Quality - Environmental Education  
Environmental Education

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2007 9/30/2008 12/31/2008		

Capacity Building for Environmental Education: The environmental education leadership program, which aims to develop and enhance the professional skills and abilities of Virginia educators for the protection of the environment, was launched in November 2007 at the North American Association Environmental Education conference. Twenty community educators have been recruited to participate in the program. Two program tools have been developed—a self-assessment inventory and a personal tracking record. This year participants will have access to in-depth educational content training on water quality and quantity topics. Consideration is being given to scheduling the 8-10 specialized workshops for maximum involvement from state, regional, and local educators. Coordination of 10 regional environmental education teams has begun. Each team submitted work plans that include an inventory of local resources, development of a community calendar and an assessment of local training needs. The winter meeting of the Virginia Resource Use Education Council was cancelled and is being rescheduled. Planning for Virginia Environmental Education Conference began with selection of a site (Museum of Natural History) and a regional implementation team. The EE Office director assisted the NOAA Chesapeake Bay Office in organizing and implementing the regional Bay education summit held in Williamsburg on October 23-24, 2007; evaluated project proposals for the Chesapeake Bay Restoration Fund, the Virginia Environmental Endowment, and the Foundation for Virginia's Natural Resources; and, provided guidance to the Governor's office and Chesapeake Bay Foundation in implementing a "No Child Left Indoors Program." The director is also working with Virginia CZM staff to develop a native plants campaign for the Eastern Shore.

Environmental Education Communications and Website The Virginia Naturally website and the webpages of the Virginia Office of Environmental Education, which together comprise 120 pages and 5,000 outside links were maintained including 455 updates. The Virginia Naturally web site receives 5000 - 8,000 hits month. Approximately 1,000 downloads of the Virginia Natural Resources Guide were made each month between Oct. 2007 and March 2008. The water, bay and coastal sections of the guide are particularly popular downloads. The Virginia Naturally electronic newsletter was published and distributed monthly, reaching more than 7,000 people. The annual Love-A-Tree kit, which focused on land conservation, was produced and distributed via the Web.

Meaningful Community Education Training & Implementation: Staff organized a community involvement workshop for 60 community leaders during the 2007 Environment Virginia Conference to help state and local organizations improve opportunities for citizen participation in stewardship activities and environmental management. Eighty-four mini-grants were provided to environmental and community groups to support their efforts to deliver meaningful watershed education in their communities. Over 200 DEQ central and regional office staff participated and helped field test Ecological Footprint training in support of DEQ's Places We Live campaign. Twelve new volunteer instructors were trained on the topics of water quality and local issues to participate in the Virginia WET network. As a member of this network, community partners provide educational workshops in exchange for free materials provided by DEQ. Office of EE staff organized and participated in the 2007 Professional Development Institute for the VA Association of Science Teachers in November 2007. This Institute provided training and information on the topics of watersheds, water quality and Chesapeake Bay to more than 1,000 teachers.

Final Products	% Completion	Anticipated Completion Date
Capacity Building for Environmental Education	50%	9/2008
Environmental Education Communications and Website	50%	9/2008
Meaningful Community Education Training & Implementation	50%	9/2008

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Task: 5 Dept. of Environmental Quality - Chesapeake Bay Program			
WQIF Match - Treatment Plant Upgrades			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Attached
Closeout	Start:	End:	Closeout:
	10/1/2007	3/31/2009	6/30/2009

- Alberici is the contractor for Construction Package #2. Work to date and/or since the previous report has included:
- Completed installation of steel foundation piles at the West Secondary Services Pump Station (WSSPS), Aeration Tanks #5 and #6 and the West Mixed Liquor Distribution Structure. All 7B Milestone 1 steel foundation piles have been installed.
  - Continued form and rebar installation and concrete placement for walls, baffle walls, elevated channels at Aeration Tanks 5 and Mixed Liquor Channel
  - Completed placement of foundation and base slab concrete at Secondary Clarifier #7.
  - Completed concrete wall placements at Secondary Clarifier #8.
  - Continued installation of forms, rebar and concrete for Primary Clarifier #7 and #8 modifications.
  - Performed electrical rough-in at the South Tunnel Access Building, Secondary Blower Building including the Electrical Room addition, Aeration Tanks #5 and #6, Primary Clarifiers, Preliminary Treatment Building (PTB), PTB Back-up Structure, and West Secondary Services Pump Station.
  - Installed direct buried electrical conduits at the Primary Clarifiers.
  - Installed yard electrical rough-in for site lighting at the Dissolved Air Flotation Thickener (DAFT) and Maintenance Buildings and the Potomac Interceptor head works.
  - Commenced excavation and utility relocation at the Surface Waste Pump Station (SWPS). Installed buried utility piping north of SWPS as well.
  - Installed and tested buried and embedded piping serving Secondary Clarifiers #7 and #8 and the West Secondary Services Pump Station.

Final Products	% Completion	Anticipated Completion Date
Complete Construction of this Nutrient reduction project.	37.3*	Phase 7b will be completed in 2 parts. Part 1 -3/30/2010 Part 2 - 7/31/2011

\* based on contractor payments requested and work completed to date however, the portion of work being used as match is 100% complete.

Task: 6 Virginia Marine Resources Commission			
Permit Review and Compliance			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

During the reporting period, VMRC received a total of 1,127 joint permit applications. Actions were completed on 780 of the projects that were received. During the reporting period 118 compliance inspections were conducted for previously issued permits. Also 64 compliance inspections for the random sample of 130 projects permitted by local wetlands boards were completed.

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Task: 7 Dept. of Conservation & Recreation - Natural Heritage  
Habitat Conservation/Locality Liaison

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2007	9/30/2008	12/31/2008		

The Locality Liaison gave four presentations to localities and other conservation partners (10/17/07 at VIMS, 11/15/07 at VCU, 2/26/08 at VCU, and 3/17/08 in Colonial Heights). Attendees at these training sessions included the Cities of Colonial Heights and Virginia Beach, the Virginia Institute of Marine Science, Department of Forestry, VA Marine Resources Commission, and Middle Peninsula Land Trust. Presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the Natural Heritage Data Explorer (NHDE) website, the Virginia Conservation Lands Needs Assessment (VCLNA), and the Land Conservation Data Explorer (LCDE).

A presentation was given to a group of citizens in Mathews County (01/08/08) as part of the VA and Chesapeake NEMO (Networked Education for Municipal Officials) Program which has been working with the county to assist in the revision of their comprehensive plan. The presentation included an overview of the Natural Heritage Program, featured tools, and services through the Locality Liaison program that are available to assist the county with their plan update.

The Locality Liaison attended the Virginia Chapter of the American Planning Association (VAPA) Annual Conference (3/27/08). DCR presented on the Division's GIS tools and the Locality Liaison program.

NHDE Phase II development continued with site infrastructure updates; work on the project submittal form data entry and capture; final development of the shapefile generator and retrieval, and account management sub-applications; and, NHDE GIS data work for site update and performance enhancement. An in-house protocol and ArcGIS model was developed to append NHDE information into the master in-house project boundary shapefile. The site was validated and went live in January 2008. The site continues to be validated and fine-tuned in its "live" environment. Data updates continue quarterly and NHDE site validation continues daily. Several GIS data layers are being worked on to increase site performance measures and the site infrastructure itself is being updated with new hardware. This involves continued testing to ensure site and scope of work compliance.

The Locality Liaison and project review staff reviewed 548 projects for impacts to NH resources in the coastal zone (38% of the projects reviewed state-wide). One specific project is the Colonial Heritage Project (Phases V & VI) that DCR-DNH initially commented on in October 2006 in regards to potential impacts to Small whorled pogonia. To protect these rare plants, the applicant agreed to incorporate small whorled pogonia buffers into the plan design as suggested by DCR-DNH in January 2008.

#### Final Product Percent Completion:

Project Review - 50%

Locality Assistance Program Presentations - 80%

Natural Heritage Data for Coastal Partners - 67%

Improvements to the Natural Heritage Data Explorer - 57%

## VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 8		Virginia Institute of Marine Science			
Tidal Wetlands Management Technical Support					
<u>Project status:</u>		<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2007	9/30/2008	12/31/2008		

CCRM advisory activity for the reporting period included the following:

	Information Requests	Add'l Field Visits	Meetings	Advisory Reports	Website Hits
October	168	12	26	50	447
November	170	22	23	74	449
December	101	13	14	55	438
January	188	06	17	51	423
February	184	16	17	38	442
March	179	10	15	44	450

**Wetlands Reports:**

The Center for Coastal Resources Management continues to post Joint Permit Applications with VRMC assigned numbers in a searchable database on their website. To view the original shoreline permit applications, as well as the associated VIMS report, additional information, and photos for every application reviewed by the Wetlands Program staff please see: <http://www.vims.edu/ccrm/wetlands/newpermits.html>

**Publications:**

Rivers and Coast, Winter 2007, Vol. 2, No. 1, "Introduction to the Integrated Guidance Concept"  
[http://ccrm.vims.edu/publications/pubs/rivers&coast/vol2\\_no1\\_int\\_guide.pdf](http://ccrm.vims.edu/publications/pubs/rivers&coast/vol2_no1_int_guide.pdf)  
 Virginia Wetlands Report, Spring 2008, Volume 23, Issue 1, "On the Road with CCRM"  
[http://ccrm.vims.edu/publications/publications\\_topics/vwr/vwr\\_2008\\_spring.pdf](http://ccrm.vims.edu/publications/publications_topics/vwr/vwr_2008_spring.pdf)

**Workshops:**

The CCRM staff put on a "Case Studies: Balancing Risks Associated with Shoreline Protection Strategies" workshop for 70 people on October 19th, 2007 at VIMS. The workshop presentations and handouts can be viewed online at:  
[http://ccrm.vims.edu/education/workshops\\_events/07\\_fall.html](http://ccrm.vims.edu/education/workshops_events/07_fall.html) □

Final Products	% Completion	Anticipated Completion Date
Report on Permit Application Reviews	50%	September 30, 2008
Outreach Publications	50%	September 30, 2008
Wetlands Database	50%	September 30, 2008

Task: 9		Virginia Institute of Marine Science			
2007 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> Project Period Open	
Open	Start:	End:	Closeout:		
	10/1/2007	12/31/2008	3/31/2009		

VIMS successfully completed the acquisition of aerial photographs of the entire Chesapeake Bay, its tributaries and coastal bays for the 2007 SAV annual survey. VIMS also successfully completed ortho-rectification of all flightlines, mosaicing all the quadrangles, and photo-interpretation of SAV on all quadrangles for the Chesapeake Bay and the Coastal Bays. VIMS distributed the baywide 2007 SAV numbers to all partners at the beginning of March 2008. Field surveys should be completed by May 31, 2008 and the 2007 Draft Report will be available for distribution by June 30, 2008. Progress towards this deliverable is about 50% complete. A final report will be completed by December 31, 2008.

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Task: 10.01 Virginia Institute of Marine Science			
Restoration of Seagrasses in Virginia's Seaside Bays - Year 6			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	12/31/2008	3/31/2009

MONITOR SUCCESS OF ESTABLISHED SEAGRASS AREAS –Eelgrass in large acre plots was examined in this time period from the high and low level aerial photographs. Many plots have grown and become denser, and are thus now visible on the photography. A more detailed assessment will be provided in the FY 2006 Task 10.03 final report.

COLLECT WATER QUALITY WITH DATAFLOW IN AREAS WITH EXISTING EELGRASS AND ADJACENT UNVEGETATED AREAS – water quality collection for FT 2006 started in April, 2007, and continued through November 2007. This includes the deployment of a continuously recording sensor at South Bay. Water quality data for FY 2007 commenced in April, 2008.

LARGE SCALE SEAGRASS RESTORATION – We planted 1,350,000 eelgrass seeds in fall of 2007 into 18 acres in Hog Island Bay (6 one acre plots at a seed density of 100,000 per acre; 6 one acre plots at a seed density of 50,000 per acre; 6 one half acre plots at a seed density of 100,000 per acre; 6 one half acre plots at a seed density of 50,000 per acre). We also planted 4 one half acre plots in Spider Crab Bay at a seed density of 100,000 per acre.

MAPPING OF SEAGRASS FROM AERIAL PHOTOGRAPHS – 2007 photography was obtained for the seaside bays and mapped in the VIMS GIS system. Preliminary results will be reported in the FY 2006 Final Report now being prepared.

Final Products	% Completion	Anticipated Completion Date
Final Report	0	April 15, 2009

Task: 10.02 Virginia Institute of Marine Science			
Population Assessment of Eastern Oysters (Crassostrea virginica) in the Seaside Coastal Bays			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	1/1/2008	12/31/2008	3/31/2009

Based on oyster habitat maps developed during 2007 and delivered to VCZMP in a Final Project Report on 2/15/08, VIMS-Eastern Shore Lab (ESL) staff designed complex sampling protocols to estimate oyster density within varied habitats within the coastal bay system of the seaside of Virginia's Eastern Shore. To date, ESL technicians have collected 238 quadrat samples from "patch reefs" (68% of the total for this habitat). Over 32,000 oysters have been counted and measured from these samples. All of these data have been entered into a spreadsheet and initially proofed. Specific sample locations have been selected and plotted for the other habitats (e.g. marsh and mud flats) and field data collection is scheduled to begin during April 2008. Digitizing specific habitat characteristics within these select polygons has begun and will be used to better estimate oyster densities.

The oyster habitat maps produced during 2007 were based on field observations in conjunction with 2002 Virginia Base Mapping Program (VBMP) aerial images. ESL staff received new 2007 VBMP images during the last week of March 2008. Upon inspection of the new images, they have decided to update habitat polygons (especially "patch reefs") due to the higher quality and resolution of the new images. Although this will be time consuming, it will produce a much more refined final product for this project when combined with oyster density data currently being collected.

Oyster habitat maps and density estimates will be ultimately combined into a GIS database. Construction of this database began with the initial oyster habitat maps and will be enhanced with oyster density data that will be integrated as it is collected during the coming months. These GIS data will be organized into the most useable format(s) for the public and resource managers.

ESL staff anticipates having the bulk of the overall oyster sampling completed by August 2008. Habitat digitizing to refine density estimates will be carried out concurrently and will likely continue into the early fall. The GIS product will be updated as data is processed during the remainder of the project.

Final Products	% Completion	Anticipated Completion Date
Seaside oyster population estimate (overall, by region & by habitat)	20	9/30/08
GIS project-updated habitat shape files (updating of those that were delivered 2/15/08 based on new 2007 aerial photos)	5	9/30/08
GIS project-oyster distribution & density	10	12/31/08

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Task: 10.03 Dept. of Conservation & Recreation - Natural Heritage  
Phragmites Education and Management

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

During the October 2007 to March 2008 time period, VDCR-Natural Heritage staff made the following progress toward completing four Seaside Heritage Program Year Six deliverables.

A) Phragmites control workshops. Four landowner workshops have been planned for June-July of 2008, although precise dates have not been determined. Two workshops will be held in Accomack County at the Virginia Institute of Marine Science in Wachapreague and two others will be held in Northampton County. Arrangements are also being made to print additional copies of the new (and popular) Phragmites control booklets for landowners developed during Year Five.

B) Post-treatment monitoring and 2008 control treatments. Planning is underway to monitor Phragmites patches treated at Wallops Island in 2007. These will be carefully assessed for treatment effectiveness, with hopes for increased efficacy as a result of the higher spray volume (7.5 gal per acre) used in 2007. Also, plans have been made to re-measure permanent vegetation plots on Parramore Island in 2008 in order to better characterize the re-colonization pattern by native plant species into herbicide-treated Phragmites stands. Last, the contracting process is underway to hire an aerial applicator to conduct 2008 control treatments which are scheduled for late July or early August.

C) Phragmites management plan. A Phragmites Management Plan for the Eastern Shore Seaside is nearing completion and should be done by August 2008. This plan provides a roadmap for what is likely to be an on-going management challenge. The final plan will synthesize information developed over the complete history of the SHP, including the results of the summer 2008 re-census and mapping component of Task 10.03.

D) Re-assessment and mapping. Planning is underway to begin, as soon as vegetation development will allow, an aerial census of Phragmites on the Seaside. This effort will cover the same area as the census conducted in 2004 and answer key questions about how rapidly un-controlled Phragmites is spreading on the Seaside, and how effective have control measures been over the last five years. A contractor to provide the aerial mapping platform is currently being identified and procurement procedures have been initiated to secure this vendor's services for summer 2008.

Final Products	% Completion	Anticipated Completion Date
Phragmites control workshops and brochures for landowners	5	August 1, 2008
Phragmites monitoring and control	5	September 30, 2008
Phragmites management plan for the Eastern Shore Seaside	10	August 1, 2008
Re-assessment and mapping of the Seaside Phragmites invasion	5	September 30, 2008

Task: 10.04 Virginia Eastern Shorekeeper  
Shorekeeper

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

The Virginia Shorekeeper failed to submit a progress report by the deadline.

Task: 10.05 College of William & Mary - Center for Conservation Biology  
Virginia Colonial Waterbird Survey (2008)

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	3/1/2008    12/31/2008    3/31/2009		

A scope of work was negotiatde during the winter and then submitted to NOAA for approval on February 22, 2008. Approval was received from grantsonline on March 14, 2008. A contract was mailed to the Center for Conservation Biology, signed by them and returned to the Virginia CZM Program on March 28, 2008.

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Task: 10.06 Eastern Shore Community College  
Establishment of Ecotour Guide Certification Curriculum

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	3/1/2008	9/30/2008	12/31/2008		

The bulk of work done on this project thus far has been the establishment of a solid working relationship between Eastern Shore Community College and the Virginia Coastal Zone Management Program. ESCC has worked to identify and recruit a highly qualified curriculum developer and connect that content expert to the officials at CZM. This process culminated in a very productive project organization and "kick-off" meeting between the College's Dean of Workforce Development Services, CZM officials, and the content expert in Richmond on February 6, 2008.

The next day (February 7), the Dean and Curriculum Developer met with the Virginia Tourism Commission to discuss ways in which the ESCC curriculum development process might be disseminated and replicated in the various tourism regions throughout the Commonwealth of Virginia once ESCC completes this project. Plans to develop a standardized but regionally customizable logo were discussed. Development of this extended partnership for the project will ensure a wider and longer-term positive impact from this project after completion in September.

In addition, ESCC has involved the curriculum developer in another project that will be related to this Ecotour Certification project. This month (April 2008), the College will be launching its new tourism oriented Customer Service Certification program. Part of the curriculum from this program will be used in the development of the Ecotour Certification program, and the two programs will be part of the same "Institute" within ESCC's non-credit programming department. The content expert for the Ecotour program has been involved in the development of the Customer Service program through work with the Northampton County Chamber of Commerce, and this has familiarized him with the College's curriculum development processes and related curricula.

No funds from this grant have been expended thus far.

Task: 10.07 TBD  
Social Marketing Campaign for Policy Support

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start:	End:	Closeout:		
	10/1/2007	9/30/2008	12/31/2008		

A scope of work is about ready to submit to NOAA for approval. The social marketing campaign will focus on planting native trees, shrubs, vines and flowers on the Eastern Shore to improve habitat and water quality. A team consisting of many interested organizations has been established. One meeting and one conference call have been conducted.

Task: 10.08 Virginia Marine Resources Commission  
Oyster Restoration

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2007	9/30/2008	12/31/2008		

During this period potential sites for the FY 07 reefs were chosen, maps were prepared indicating the proposed reef locations within the public (Baylor) oyster grounds. Potential sites were located in Public Ground No. 13 in Northampton County, near Short Prong Marsh and Public Ground No. 35 in Accomack County, behind Parramore Island. Final reef sites will be chosen based on the availability of shell material for reef construction. A SHPO letter has been requested from the Department of Historic Resources and the maps will be sent to the Marine Resources Commission's Attorney General for verification of public ownership of the reef sites.

Final Products	% Completion	Anticipated Completion Date
306A documentation	50	May 15, 2008
Reef Construction (10-15 reefs)	0	July 15, 2008
Spatset Monitoring	0	October 1, 2008
Final Report	0	October 15, 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 11 Dept. of Environmental Quality Subcontract Eastern Shore Land Acquisition				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Proposed	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

Southern Tip Partners meetings were held on December 10, 2007 and March 13, 2008. Several land parcels have been identified for potential acquisition. Staff of The Nature Conservancy and the VA Department of Conservation & Recreation are approaching landowners to discuss their willingness to sell. At least two are willing to sell but substantially more funds than the \$200,000 in this task would have to be secured to close the deal. This project will likely need to be extended so that FY 2008 funds could also be used to acquire a parcel.

Task: 41 Accomack-Northampton Planning District Commission Technical Assistance Program				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

The Coastal Management Committee met on October 16, 2007 to hear Elleanore Daub, Department of Environmental Quality, speak about a rulemaking action to protect shellfish waters on the Eastern Shore of Virginia. The Coastal Management Committee also met on March 11, 2008 to choose projects of interest to apply for a focal areas grant from the Virginia Coastal Zone Management Program.

Two Coastal Management Training sessions are being planned. A seaside heritage program event will take place in the summer and a training event for local officials will be held in the late spring.

A-NPDC staff have provided technical assistance to the Town of Eastville attending one town meeting and providing assistance for the update of the Town's zoning ordinance. A-NPDC staff are also assisting the Town of Wachapreague with preparing the Joint Hearing to adopt their new Town Plan. A-NPDC staff are serving the on the Technical Advisory Committee for Aquaculture Enhancement Zones and the Virginia Coastal Policy Team. A-NPDC staff are assisting the DAWN partners with applying for funds to hold a Forum for local planning officials and members of the public.

A-NPDC staff held Eastern Shore of Virginia Ground Water Committee meetings on October 16, 2007, November 20, 2007, January 15, 2008, February 19, 2008 and March 11, 2008.

A-NPDC staff are completing information gathering for the various sites of the Seaside Heritage Trail.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Committee Report	50%	9-30-08
Coastal Management Training Report	25%	9-30-08
Technical Assistance Report	50%	9-30-08
Ground Water Committee Report	50%	9-30-08
Seaside Water Trail Resources Report	25%	9-30-08

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 42 Crater Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2007	End: 9/30/2008	Closeout: 12/31/2008

(1) Crater PDC staff processed twenty environmental impact reviews in regard to local, state and federal projects. (2) Two coastal training meetings were held during the reporting period dealing with Chesapeake Bay Phase III requirements and Chesapeake Bay Phase 5.0 Watershed Model and Land Use Change Model and data review. (3) Commenced the updating of the zoning ordinances of the towns of Claremont and Surry in accordance with the findings of the Chesapeake Bay Preservation Act Phase III review. (4) Crater PDC staff is serving as liaison to assist DCR in reviewing population and land use data of our tidewater localities in regard to the Chesapeake Bay Phase 5.0 Watershed Model and Land Use Change Model. (5) Crater PDC staff participated in a joint training meeting with RRPDC concerning the Chesapeake Bay Phase III requirements as well as riparian buffer management and restoration initiatives. (6) Crater PDC staff attended three meetings and served on the CBLAD Phase III Advisory Committee concerning a check list development for minimizing land disturbance, preserving indigenous vegetation and minimizing imperious cover. (7) Two Crater PDC coastal meetings were held during the reporting period. (8) Crater PDC staff continues to support the Friends of the Lower Appomattox River (FOLAR) activities-successful fall and spring river clean-ups (10/27/07 and 3/29/08). (9) Crater PDC staff participated in an exploratory "partnership" meeting involving Virginia State University (VSU), FOLAR, Friends of Chesterfield's Riverfront, and Chesterfield County's Parks and Recreation Department in regard to coordination on areas outside VSU's campus in the Ettrick area along the Appomattox River, including an old building that could be integrated into the plans for the Appomattox River. Future meetings are planned. (10) Crater PDC staff attended the 2/5/08 Chowan Watershed meeting where a River Day was established for 4/19/08 as well as a logo design contest was formulated. (11) Crater PDC staff participated in meetings with the South Centre Corridors Resource, Conservation and Development Council which focused upon the federal Forest Legacy Program, establishment of a mini-grant program for schools as well as planning for a Low Impact Development (LID) workshop. (12) Crater PDC staff attended a Coastal Policy Committee meeting as well as a Coastal PDC meeting during the reporting period.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review and Comments	50%	9/30/08
Coastal Training	50%	9/30/08
Update Zoning Ordinances-Towns of Surry and Claremont	5%	9/30/08
Coastal Meetings	50%	9/30/08

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 43 Hampton Roads Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2007	9/30/2008	12/31/2008		

The Hampton Roads Planning District Commission Joint Environmental Committee (Chesapeake Bay and Stormwater) met six times. Approximately 100 local, state and federal staff participate as members of these Committees. The Joint Environmental Committees received presentations on new CBPA Program guidance, the VDH Regulations on Alternative Wastewater Systems, Chesapeake Bay Water Quality Report (USGS), Methodology for Perennial Stream Determination, TMDLs, Virginia Water Protection Permit Regulations (404 assumption), new Bio-solids Regulations, the Environment Virginia 2008 Conference, Coastal Zone Management Program activities and the Chesapeake Bay Program modeling program.

The HR Chesapeake Bay Committee is meeting monthly to address a variety of CBPA implementation issues, including development of a regional procedures manual, review of perennality issues and review of CBPA Phase III guidance. Approximately 29 EIR and Federal Consistency reviews were undertaken.

HRPDC staff participated in Coastal Policy Team meetings on February 14, 2008 and March 3, 2008.

Through the Committee process, recommendations were made to state agencies on regulations dealing with stormwater management, wetlands and wastewater reuse. The groundwork has been laid for continuing local government participation in the legislative and regulatory processes. HRPDC staff is working with DEQ and several of the region's localities on TMDL studies. The HRPDC staff, in cooperation with DEQ, has developed a long-term project to facilitate the outreach and Implementation Plan development process for all TMDLs in the Hampton Roads.

Presentations were made to the Virginia Coastal Partners Workshop and several green infrastructure workshops and conferences, and various civic organizations.

HRPDC staff continues to participate in the Chesapeake Bay Program Committees dealing with land use and with stormwater management. The localities are briefed on the CBP activities and local views are provided to the CBP Committees.

The HRPDC Newsletter was published in October of 2007 and January of 2008.

HRPDC staff is representing the region on several state Technical Advisory Committees: wetlands issues, PCB sampling to support TMDL development and Board Consolidation (DEQ), state stormwater management regulations, Stormwater Phase II regulations, and urban BMP cost sharing program (DCR)

HRPDC staff is pursuing several initiatives that will further enhance the region's efforts to develop a regional conservation corridor/green infrastructure system.

Final Products	% Completion	Anticipated Completion Date
Final Report: FY 2007-2008 TA Program	0%	October 2008
EIA/EIS and Coastal Consistency Review	50 %	October 2008
Public Information & Training	50 %	October 2008
Regional Coordination	50%	October 2008
Special Regional Studies	50 %	October 2008

## VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2007

Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 44 Middle Peninsula Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

Coastal Management Support = 50% complete

MPPDC staff continues to provide coastal management support to local government, local wetlands boards and local planning staff. MPPDC staff has provided GIS analysis of development proposals, land conversion, land use plans, and local land use ordinance implementation over the first six months of the project. Project highlights included a GIS transportation analyses for the Virginia State Police looking to better plan for transportation safety for the Urbanna Oyster festival. Additionally, MPPDC staff provided GIS analysis for a Gloucester Board of Supervisors member requesting aerial imagery of Catlett Island. An upscale large lot residential development is proposed on the Island.

Local Planning Coordination = 50% complete

MPPDC staff convened six meetings with local government level planners and administrators on 10/12/2007, 11/9/2007, 12/14/2007, 1/11/2008, 2/8/2008, and 3/14/2008. Tracking and discussion of Virginia General Assembly Bills and Resolutions under consideration during the 2008 session was a major topic of interest at these meetings. More than 100 bills were discussed over the course of four meetings on the topic, including their relation to coastal zone management and local land use and policy implications. MPPDC staff also convened meetings of the Middle Peninsula Chesapeake Bay Public Access Authority (PAA) on 10/12/2007, 12/14/2007, and 2/8/2008. MPPDC staff coordinated three special training meeting during the Oct 07-March 08 period. Staff from the Department of Conservation and Recreation- Division of Chesapeake Bay Local Assistance presented training sessions on perennial stream determination and Phase 3 Bay Act Implementation.

Preservation of Middle Peninsula Working Waterfronts- Public Policy Discussion = 25% complete

MPPDC staff reviewed and commented on a Public Access -Working Waterfront Infrastructure survey being developed by the Middle Peninsula Chesapeake Bay Public Access Authority and Virginia Sea Grant. MPPDC staff discussed working waterfront infrastructure issues and public policy concerns with Congressman Rob Wittman. MPPDC staff coordinated for the MPPDC Commission to review the access survey found at: <http://www.wateraccess2007.com/survey.html>.

Task: 45 Northern Neck Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

NNPDC Staff have held two of the Quarterly Northern Neck Land Use Administrator's Meetings. The Fall Meeting was held on December 3rd, 2007 and the Winter Meeting was held on March 3rd, 2008. At each of these quarterly meeting, a training session was held. Staff from the Department of Conservation and Recreation, Division of Chesapeake Bay Local Assistance (DCR-DCBLA) staff gave presentations on Phase III of the Chesapeake Bay Act and the Resource Protection Area (RPA). At the December training session, county staff did not think that the 100 foot Resource Protection Area should be put on plats, as the delineated line could be inaccurate in a few years on lots with high rates of shoreline erosion, however they all agreed that the RPA should be shown on site (development) plans. At the March training session, several county staff were unaware that the understory of a forest (shrubs, bushes, immature trees) constitutes more than 50% of the forest as a whole.

NNPDC staff have been working on updating Northumberland County Tax Maps incrementally. Each grant year the NNPDC updates five tax maps for the County. This entails adjusting the line work from the former USGS 1:24,000 quad base to the Virginia Base Mapping Programs 2002 aerial imagery. Two maps (Map 50 and 51) have been completed out of the five.

NNPDC staff were awaiting the 2007 Aerial Photography for Cat Point Creek Watershed in Richmond County, and had postponed digitizing Land Cover for the watershed so that up to date aerial photos could be used to delineate land cover. Cat Point Creek watershed was chosen to add to the Land Cover layer created for neighboring Totuskey Watershed in Richmond County. Digitizing will begin shortly.

NNPDC staff have met with Lancaster County to determine which two potential public water access sites in the County that a site analysis will be conducted as T/A grant deliverable. The two sites are Ashley Cove, off of Dyer Creek, adjacent to the Chesapeake Bay; and Taylor's Creek off of the Corrotoman River, adjacent to the Rappahannock River. Mapping and analysis will begin shortly. A meeting will be scheduled shortly for the green infrastructure planning project in Lancaster County.

NNPDC staff have been working with DEQ and County staff to designate waterways in Northumberland County as No Discharge Zones for boat wastewater as a way to help implement some of the recommendations of the shellfish TMDL's in the County. A presentation was given to the County Board of Supervisors in March. The NNPDC is also working with the Northern Neck Land Conservancy to create GIS layers for input to computer modeling for their upcoming Strategic Plan to prioritize lands for conservation efforts.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50%	September 30, 2008
Local Planning Coordination	50%	September 30, 2008
Northumberland 5 Digital Tax Maps	40%	September 30, 2008
Richmond County Watershed Land Cover Data Creation	5%	September 30, 2008
Lancaster County Public Access Analyses, Green Infrastructure Planning	10%	September 30, 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 46 Northern Virginia Regional Commission Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

Local and Regional Coordination - Technical Workshops & EA/EIS Reviews = 35% complete  
 In November 2007 and March 2008, NVRC staff hosted two technical workshops related to local implementation of the Chesapeake Bay Preservation Act's Phase III Program. Staff from DCR – Division of Chesapeake Bay Local Assistance (DCR – CBLA) presented relevant information pertaining to the changes to local land development regulations and processes that may need to occur to meet the general performance criteria of (1) minimizing land disturbance; (2) preserving indigenous vegetation; and (3) minimizing impervious cover. Feedback from the 56 overall workshop participants reflects an interest in continuing a regular dialogue with DCR – DCBLA staff on a semi-annual basis. Since October 2007, NVRC staff reviewed and responded to ten environmental assessments or environmental impact statements across the region. To date, NVRC has not received notice of significant changes in projects due to comments provided by NVRC staff.

Special Project (Northern Virginia Clean Water Partners - Regional Stormwater Education Campaign) = 35% complete  
 Since October 2007, the number of participating localities on the Northern Virginia Clean Water Partners grew from 11 to 14, with Stafford County and the Towns of Dumfries and Leesburg committing financially and in-kind to the effort. NVRC staff developed and released a request for proposals to secure media buying services for the spring 2008 effort. In January, a small selection committee with Partner representatives from Arlington, Fairfax, and Prince William Counties reviewed proposals and unanimously selected Media Vision as the media buyer for the spring 2008 campaign. Access MediaWorks, Inc also submitted a proposal. The Partners held two planning meetings and agreed to run the radio ads in April and May 2008. The 2008 Campaign will focus on promoting used motor oil recycling, particularly to Spanish-speaking communities. The 14 participating jurisdictions and water and sanitation authorities committed a total of \$183,625 to the 2008 Campaign.

Chesapeake Bay Implementation = 35% complete  
 NVRC staff attended three Potomac Watershed Roundtable meetings since October 2007 with topics focused on rainwater harvesting, grey water reuse, and Low Impact Development. On behalf of the Northern Virginia Urban Forestry Roundtable, NVRC staff planned and hosted a meeting on Green Infrastructure Tools and Planning in January 2008. Green Infrastructure leaders from across Virginia provided an overview of efforts from the local, regional, and state perspectives. It was the largest roundtable turnout to date with 78 attendees crammed into NVRC's largest conference room.

Nvironment Newsletter = 15% complete  
 A draft list of proposed topics to include in the Fall 2008 Nvironment Newsletter was distributed internally to staff at NVRC. In April 2008, NVRC staff will solicit additional article suggestions from local staff.

Task: 47 George Washington Regional Commission Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

GWRC staff completed the technology assessment phase of the project by mid-January 2008, evaluating Google Earth and ArcGIS Explorer (ver 9.2) as the Internet data browser, Sketch Up Pro as the 3-D modeling tool to display buildings models and to integrate the screen capture of aerial photography imagery with other GIS data layers. GWRC staff held a regional meeting with local government planning staff representatives on January 25, 2008 and presented the findings of this technology review and demonstrated some of the functionality of the ArcGIS Explorer tool. Additionally, CZM Program and Chesapeake Bay Local Assistance staff attended and shared coastal zone and Chesapeake Bay program information with local government staff. Local government staff endorsed the idea of focusing the special project on producing a flyover model of the Rappahannock River corridor within a buffer of 1/2 mile of the river shoreline.

Following this meeting, GWRC staff began assembling updated GIS coverages for the project area and meeting with other stakeholders (e.g. Friends of the Rappahannock) to discuss usage of the finished products in regional environmental planning and education work with public audiences. Out of these meetings, Friends of the Rappahannock have agreed to cooperate with GWRC and share more environmental network information and collaborate in some ways on the project as well as on other possible future ventures.

Final Products	% Completion	Anticipated Completion Date
#1 Coastal Resource Management Planning Meeting Summary Report	100	3/14/08
#2 3-D Internet Coastal Resource Data Browser Methodology	50	6/30/08
#3 GWRC Regional Coastal Resource Data Browser Development	10	8/15/08
#4 Project Wrap-Up Meeting Summary Report	0	9/30/08

## VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2007

Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 48 Richmond Regional Planning District Commission  
Technical Assistance Program

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2007</td> <td>9/30/2008</td> <td>12/31/2008</td> </tr> </table>	Start:	End:	Closeout:	10/1/2007	9/30/2008	12/31/2008	
Start:	End:	Closeout:						
10/1/2007	9/30/2008	12/31/2008						

Environmental Technical Advisory Committee – This committee is organized by RRPDC staff and generally meets once every two months to bring together local and state environmental staff for training opportunities and discussion of environmental issues. In October 2007, the Virginia Department of Conservation and Recreation (DCR), Division of Chesapeake Bay Local Assistance presented information on the Phase III provisions of the Chesapeake Bay Preservation Act that entail reviewing and revising local land development ordinances, regulations and processes to ensure protection of water quality and preservation of Resource Protection Areas. In a second presentation, information was provided on a new document “Resource Protection Area Non-tidal Wetlands Guidance” on requirements of the Chesapeake Bay Preservation Areas Designation and Management Regulations for determining which non-tidal wetlands are required to be part of the Resource Protection Area (RPA). In February 2008, training was provided on the Chesapeake Bay Preservation Act including phase three review process, non-tidal wetlands guidance, and proposed annual reporting requirements. A separate topic of discussion was riparian buffer management and restoration.

Local Government Technical Assistance – RRPDC staff completed 37 environmental reviews of federal, state and local projects during this period. RRPDC staff participated in a statewide committee tasked with reviewing Phase 5.0 of the Chesapeake Bay Watershed Model and Phase 3.0 of the Land Use Change Model. RRPDC coordinated local review and improvement of data related to past, current, and projected land use and population that will be used in the model. In preparation for the coordinated effort, RRPDC staff participated in statewide training which analyzed the process of the model.

Public and Private Agencies/Commissions Liaison – RRPDC staff hosted a meeting on planning for sustainable communities. The committee reviewed funding topics including conservation corridor planning, alternative septic systems, and sustainable development. Matrices on various state programs available to localities and local needs were presented. Identification of potential projects and the future direction of state funding were discussed. RRPDC staff attended several conferences and workshops. RRPDC staff attended a green infrastructure workshop presented by the Virginia Association of Resource Conservation and Development Councils. Topics of discussion included Virginia’s tools for conservation planning, case studies, and integration of green infrastructure planning into the comprehensive planning process. RRPDC staff attended a work session on water supply planning. The purpose of water demand management, efficient water use, water conservation measures and water loss reduction were discussed. RRPDC staff attended a workshop on riparian buffers by the Chesapeake Bay National Estuarine Research Reserve. CBLAD initiatives, water quality functions and values, riparian buffers modification and mitigation, integration strategies, and bayscapes were discussed.

Final Products	% Completion	Anticipated Completion Date
GIS Data Support	25	September 30, 2008
Environmental TAC Support	50	September 30, 2008
Local Government TA	50	September 30, 2008
Charles City County Septic Pump Out	25	September 30, 2008
Public and Private Agency Liaison	50	September 30, 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from January 1, 2008 - March 31, 2008**

Task: 49 Virginia Beach/Virginia Aquarium and Marine Science Center				
Marine Mammal & Sea Turtle Stranding Response				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	1/1/2008	12/31/2008	3/31/2009	

This grant officially started on January 1, 2008. During the period from January through March 2008, the Virginia Aquarium Stranding Response Program (VAQS) recorded 39 strandings in Virginia. There were 15 strandings during the same period in 2007. The VAQS Stranding Team responded to 34 marine mammal strandings in Virginia during this reporting period, 30 cetaceans and four pinnipeds. Fourteen (41%) of the strandings were located in Virginia Beach, 17 (50%) on Virginia's eastern shore, and the remainder along the western shores of Chesapeake Bay. The cetacean species included 16 common dolphin (*Delphinus delphis*), one Atlantic white-sided dolphin (*Lagenorhynchus acutus*), five bottlenose dolphin (*Tursiops truncatus*), six harbor porpoise (*Phocoena phocoena*), and two dwarf sperm whale (*Kogia sima*). Pinniped species included four harp seal (*Pagophilus groenlandica*). One dwarf sperm whale, one harp seal, and nine common dolphins stranded alive. The big event during the reporting period was the mass stranding event involving common dolphins. There were 16 total strandings in Virginia. There had only been a total of 12 strandings of this species during the period from January through March in the previous eight years. Animals were first sighted swimming far up in tributaries of the James River and Lafayette River. Later, they began to strand along the Virginia coast. There were live strandings at Back Bay National Wildlife Refuge and in small creeks on the bay side of the eastern shore. The stranding event was also happening in North Carolina and in states north of Virginia. None of the animals survived the stranding event, and extensive necropsy examinations were conducted. The results from histopathology, bacteriology and toxicology examinations are pending as the causes of the strandings are investigated. One of the harp seals (VAQS20081031) stranded alive and is currently in rehabilitation. A harbor seal that stranded alive at the end of 2007 was successfully rehabilitated and released in Virginia Beach during this reporting period. The VAQS Stranding Team and our cooperators responded to five sea turtle strandings during this reporting period, including four loggerhead (*Caretta caretta*) and one Kemp's ridley (*Lepidochelys kempii*). None of the stranded sea turtles were alive. The Stranding Team continues to provide medical and rehabilitation care for two turtles that stranded during 2007, a loggerhead and a green.

VAQS Staff attended five professional meetings and made two formal presentations during this reporting period. There were eight educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area. Grant funded VAQS staff worked more than 480 hours and Stranding Team volunteers contributed more than 4,700 hours to the stranding response program during this reporting period. A detailed list of all trainings, presentations and publications will be included in the final report.

Final Products	% Completion	Anticipated Completion Date
VA Sea Turtle & Marine Mammal Stranding Response & Reporting	25 %	December 31, 2008
Personnel Training Activities	15 %	December 31, 2008
Public Education Activities	20 %	December 31, 2008

Task: 91.01 Virginia Institute of Marine Science				
Program Implementation: Coordinator Position				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

This task funds half of one of our Coastal Planners through a contract with VIMS. See Task 1 for progress.

Task: 91.02 Environmental Law Institute				
Assessment for Off-shore Energy Development Impact Readiness: Identifying Potential Impacts				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	4/1/2008	12/31/2008	3/31/2009	

A revised scope of work was submitted to NOAA via grantsonline for approval on March 17, 2008 and approved on April 9, 2008. A contract was mailed to ELI on April 16 and signed and returned on April 25, 2008.

## VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2007

Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 92.01 Virginia Institute of Marine Science - Center for Coastal Resources Management  
Assessment of Aquaculture Potential within Baylor

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007   9/30/2008   12/31/2008		

This project applies a modified version of the Aquaculture Suitability Model to Baylor grounds in the lower Rappahannock River of Virginia. The question behind the modeling in this particular river is to assess how much of the public bottom is suitable for aquaculture. There is consideration among managers and policy makers to recommend establishing aquaculture enterprise zones or aquaculture parks within certain Baylor grounds to enhance the industry within Virginia.

The following progress has been made over the first 6 months

- 1) The initial data sets necessary to run the model have been assembled.
- 2) The model has been revised to removed the module associated with local zoning
- 3) An initial model run has been performed. Results were presented on January 29, 2008 at a meeting of the Shellfish Aquaculture Workgroup organized by CZM and held at VIMS. The presentation was seeking feedback from experts in the field with knowledge of molluscan ecology, aquaculture management, and shellfish growing. Based on recommended feedback the model would be revised to incorporate a different salinity sampling regime, and protect areas previously targeted for reef restoration within Baylor grounds.
- 4) New salinity data have been downloaded, synthesized and incorporated into the model
- 5) Revised model run has been performed for oyster and clam aquaculture within Baylor.
- 6) Very general output results have been communicated to several experts for initial feedback. A more formal and thorough review must be performed next.

Final Products	% Completion	Anticipated Completion Date
Delineate and quantify areas within Baylor on Lower Rappahannock River suitable for aquaculture	60%	July, 2008
Prepare final report	0%	September, 2008

Task: 92.02 Virginia Polytechnic Institute & State University  
Economic Implications of Promoting the Aquaculture Industry in Virginia: Alternative Management Strategies

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	10/1/2007   9/30/2008   12/31/2008		

The initial phase of the project included literature review and personal interviews to learn about oyster and clam aquaculture production constraints and opportunities. Literature synthesis included review of articles obtained by search of electronic bibliographic databases. Personal interviews were conducted with scientists at VIMS and Jim Wesson of VMRC. Topics discussed included constraints to oyster production and possible policy options (Mason and Mann), spatial modeling of clam and oyster grounds (Berman), aquaculture production costs and consumer preferences for clams and oysters (Kirkley), user conflicts associated with intensive aquaculture (Luckenbach), and state permitting and aquaculture assistance issues (Wesson). The VT team visited with a clam and oyster operation on the Eastern Shore (Gallivan and Walker) and an oyster operation on the Western Shore (Vigliotta) to learn about producers' perspectives on clam and oyster production methods, constraints and opportunities. Co-investigator Mason of VIMS provided a draft report of potential policy alternatives for aquaculture promotion. Graduate Research Assistant Harris completed papers on project-related issues including a literature review of previous demand studies specific to the Chesapeake Bay shellfish industry along with a linear programming model created to select optimal shellfish enhancement zones based on a number of different criteria.

The information was used to draft a detailed final report outline with sections including an overview of the shellfish industry, alternatives for enhancing shellfish aquaculture (including redefinition and/or clarification of property rights, research and development, and market based incentives including subsidies and tradable nutrient assimilation credits), economic framework for evaluation, and results. Harris is currently working on introductions for the subsections of the detailed outline. Analysis of policy alternatives will be based on their potential to expand oyster and clam supplies, gross revenues, and net revenues as well as possible external effects of expansion such as impacts on property values. A mail survey instrument was developed and sent to several hundred Virginia clam and oyster producers to elicit possible grower responses to policy alternatives and their assessment of oyster and clam price impacts of supply changes. The survey instrument was developed collaboratively with Webster (University of Maryland) and Murray and Oesterling (VIMS) and has been reviewed by 3 oyster and/or clam growers. A draft of the survey was presented and comments solicited at the VA CZM Program meeting held at VIMS on January 29th, 2008. The survey was finalized and cleared by the VT Institutional Review Board in early March. A mailing list of growers was then reviewed to finalize the sample frame of growers. The survey was mailed to growers in mid-March. Postcard reminders and follow-up surveys will be mailed to non-responders in mid-April in order to increase response rates. Survey data coding and analysis will be completed in late April and May. Survey responses will be summarized in the final report. Responses will also be used to estimate models of oyster/clam demand and supply, which will be used for evaluating the effects of policy alternatives.

Final Products	% Completion	Anticipated Completion Date
Alternative Management Strategies (Draft version)	50	June 30, 2008
Alternative Management Strategies (Final version)	30	September 30, 2008

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 92.03 Virginia Institute of Marine Science			
Development of an Environmental Code of Practice and Best Management Practices for Virginia - Year 2			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

The first half of this year's project was devoted to the refinement of the draft Environmental Code of Practice and Best Management Practices For The Virginia Shellfish Culture Industry produced during Year 1 of the project. These refinements were based upon inputs from an industry advisory group and members of the shellfish culture industry. During this time period, a public presentation was given at the Virginia Aquaculture Conference (Williamsburg, VA), explaining the overall purpose of the project and reviewing the first draft. Following this meeting, VIMS project staff met with an industry advisory group to incorporate suggested revisions into the first draft. This revised draft has now been completed. It is to be mailed to a wider audience of shellfish culture industry members for additional input. This input can be either mailed to the VIMS staff or can be communicated directly at the annual Shellfish Culture Forum (April 28, 2008, Wachapreague, VA, on Virginia's Eastern Shore).

The Shellfish Culture Forum will constitute the second of three public information meetings described in the project proposal. Also during this period of activity, negotiations began between VIMS staff and the Virginia Department of Agriculture and Consumer Services governor-appointed Virginia Aquaculture Advisory Board, and the Virginia Farm Bureau Aquaculture Commodity Board, to act as sponsors for the Best Management Practices. This is being contemplated in the absence of an industry trade association which could be the sponsors. While this activity was not identified as a deliverable/product in the proposal, VIMS staff believes that it is critical to have an official sponsor for the Best Management Practices.

Final Products	% Completion	Anticipated Completion Date
Product #1 – Draft ECP/BMPs	100%	
Product #2 – Public Information Workshops and Information Gathering	33%	August 2008
Product #3 – Final ECP/BMPs	50%	September 2008

Task: 93.01 Middle Peninsula Planning District Commission			
York River Use Conflicts- Issue Framing and Policy Need Identification (Phase 3)			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	12/31/2008	3/31/2009

Product #1- Report on issues and conflicts affecting local governments ability to maximize their waterfront and policy recommendations = 75% complete. The York River Use Conflict Committee's (Committee) education phase culminated in the fall of 2007 with a discussion of "Who should manage use conflict?" "What are appropriate uses?" and "Who should determine the appropriate uses?" MPPDC staff coordinated monthly meetings of the Committee. In the end, the Committee created a matrix of use conflicts it had identified and the applicable managing entities involved in the management of the uses.

The committee initiated the November 2007 meeting with a presentation from VMRC Deputy Commissioner Jack Travelstead, who discussed Regulation 4VAC20-1130-10 Et Seq., "General Permit for Temporary Protective Enclosures for Shellfish." Highlights of the discussion include:

- Aquaculture exists and will expand.
- VMRC's regulations require adjacent property owner notification and encourage applicants to work with adjacent property owners to identify solutions to potential use conflicts. VMRC's intent is that the aquaculturist (the applicant) work out issues with landowners before the application reaches the Commission.
- Most of the members of the Committee agreed that VMRC has a significant role in regulating this use. However, it was noted that the among a list of management entities, Virginia Departments of Health and Environmental Quality are also involved with this use conflict, which further complicates management, expectations and enforcement.
- Most of the Committee's confusion around VMRC's regulations centered on the need for definitions of "structure" and "shoreline."

The Committee spent the next few months (Dec 07-March 08) framing use conflict issues. Also, to understand how other local governments have handled similar conflicts, the Committee studied local government regulations around water use conflicts from other states as researched and provided by MPPDC staff. Specific to Gloucester County Virginia, the Committee discussed an existing Gloucester County Ordinance, Chapter 21 of the County Code: Previously titled "Wharves, Harbors and Channels and replaced with "WATERCRAFT AND WATER SAFETY". While this ordinance does not address all of the use conflicts that have been identified by the Committee, it does show a precedent for the County's jurisdiction of regulation of use over its waterways. Once jurisdiction is known, various police powers can be used to protect public health, safety and welfare within a localities jurisdiction.

Product #2 - Presentation to Gloucester County Board of Supervisors = 25% complete. MPPDC staff has provided the Gloucester County Board of Supervisors with a mid-project report articulating the work of the committee and an analysis of conflicts to date.

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 93.02 Virginia Commonwealth University  
Coastal GEMS Enhancements

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
Proposed	Start:      End:      Closeout:		
	10/1/2007    9/30/2008    12/31/2008		

The CZM Program and VCU are negotiating a scope of work for Coastal GEMS maintenance for the period Apr 1 - Sept 30, 2008. Approval was given from NOAA in the Final 2007 Application to contract \$8,000 for this maintenance.

Task: 93.03 Dept. of Conservation & Recreation - Natural Heritage  
Virginia Biodiversity Assessment - Part 2

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:      End:      Closeout:		
	4/1/2008    9/30/2008    12/31/2008		

Part 2 of the Virginia Biodiversity Assessment was contracted for the period Apr 1 - Sept 30, 2008, therefore there is no progress to report. Part 1 of the VBA ended March 31, 2008 (see FY06 Task 93.03).

Task: 93.04 TBD  
TBD

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Pending
	Start:      End:      Closeout:		

\$21,900 remains in task. The CZM Program and the Science Museum of Virginia are negotiating a scope of work to create a kiosk Coastal GEMS exhibit at the Science Museum located in Richmond, VA. Remaining funds may support additional exhibits at other partner science centers, data development to support the CZM Program's "blue infrastructure" mapping initiative, or transfer of the Coastal GEMS mapping application from ArcIMS 9.2 to ArcGIS Server. ArcGIS Server would give the CZM Program more control over Coastal GEMS data cartography and display of map themes.

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 94.01 Virginia Institute of Marine Science			
Shoreline Management: Better Sill Design 2			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

Literature Search - During this reporting period, CBNERRVA staff has begun examining current peer reviewed and grey literature regarding ecosystem functions provided by specific natural and constructed shoreline habitats.

Site Surveys – Shore surveys are scheduled for Jefferson Patterson Park and Museum on Patuxent River in Calvert County, Maryland and Webster Field on St. Mary’s River, St. Mary’s County, Maryland. These will take place in April and May in order to have a minimal amount of vegetation but also slightly warmer water temperatures. CBNERRVA staff are planning and building necessary equipment for additional sampling this summer at selected living shoreline site. This sampling will build upon the work completed during the summer and fall of 2007 at the Saint Mary’s living shoreline site.

Hydrodynamic Analysis – The wind and storm surge information is being gathered in order to create the conditions that will be run in CEDAS’s version of STWAVE. The bathymetric data has been obtained from the Patuxent and St. Mary’s Rivers, and grids are being created in order to run STWAVE .

Development of Sill Encroachment Guidelines: The results of the literature search are being prepared for inclusion in this document as are the results of the sill project from last year.

Final Products	% Completion	Anticipated Completion Date
Literature Search	50	June 2008
Site Surveys	10	May 2008
Hydrodynamic Analysis	25	June 2008
Development of Guidelines	10	September 2008

Task: 94.02 Virginia Institute of Marine Science			
Recommendations for Revision of the Dunes/ Beaches Guidelines			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2007	9/30/2008	12/31/2008

VIMS/CCRM has begun to develop a format for the revised Guidelines. CCRM anticipates the Guidelines to be formatted similar to the revised Wetlands Guidelines. Final reports and supporting literature from the recent VIMS research initiative are being reviewed. Discussions on training efforts to transfer information to local governments, notably in the context of the recent change in the Coastal Primary Sand Dunes and Beaches Act, are underway.

Final Products	% Completion	Anticipated Completion Date
Final Report and Training	30	Sept 2008

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 94.03 Virginia Institute of Marine Science  
Shoreline Situation Reports for Tidewater Localities

<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: 10/1/2007	End: 9/30/2008	Closeout: 12/31/2008

This project calls for the development of Shoreline Inventories for five Tidewater cities and counties in Virginia. They include: Gloucester, Chesapeake, New Kent, Portsmouth, and King George. When proposed most of these jurisdictions had data collection in the field complete, but no effort to process data had begun. During the first 6 months of this project the following accomplishments have been made:

For the County of Gloucester, all data have been processed and quality control measures have been run. Final summary statistics are ready to be run and final map products will follow that.

For the City of Chesapeake, all field data have been processed and verified. This includes QA/QC and draft map generation.

For the County of New Kent, all field data have been processed and QA/QC remains, as well as draft and final map products

For the City of Portsmouth, all field data which have been collected to date have been processed. There is a small section of the city which requires a survey in order to complete the data collection. This will be scheduled in the next month.

All field work was complete for the County of King George prior to the start of this project. All data must still be processed, checked, and then finalized into map products and statistical tables.

The project is considered to be on time and proceeding at a pace sufficient to complete all milestones by the project due date.

Final Products	% Completion	Anticipated Completion Date
Product 1. Completion of Data Collection for Portsmouth	0	6/08
Product 2. Process survey data and conduct QA/QC	75	7/08
Product 3. Final maps and product generation	35	8/08
Product 4. Web page and data postings	0	9/08

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**

**Year: 2007**

**Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008**

Task: 95 Middle Peninsula Planning District Commission Dragon Run SAMP				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

Task 1 – Provide technical assistance for each watershed county during its adoption cycle and assist the implementation of the Comprehensive Plan and/or Zoning Amendments = 50% complete  
In addition to providing language recommendation materials, MPPDC staff conducted a presentation for the Essex County joint Board of Supervisors/Planning Commission meeting; MPPDC staff requested feedback or consulted with planning staff representatives from each of the four watershed counties regarding assistance needs for adoption and implementation of Dragon Run comprehensive plan and zoning ordinance amendments during the remainder of this year and the next year of the SAMP; MPPDC staff attended a workshop about conservation subdivision ordinances in King and Queen and King William Counties.

Task 2 – Administer a technical assistance program = 50% complete  
MPPDC staff assisted the Dragon Run Day (DRD) Subcommittee with final preparations for the event; MPPDC staff attended DRD and manned the Dragon Run Steering Committee (DRSC) booth; MPPDC staff drafted and submitted a letter from the DRSC regarding the potential Naval Outlying Landing Field site in the Dragon and requested that the MPPDC send a similar position statement; MPPDC staff provided outreach to new DRSC members; MPPDC staff researched current efforts underway in Virginia to implement Transfer of Development Rights programs; MPPDC coordinated quarterly DRSC meeting; MPPDC staff provided support for the DRD Subcommittee; MPPDC staff developed new list of Dragon Run interested parties distribution list; MPPDC staff attended Chesapeake Bay Phase 3 meeting; MPPDC staff represented DRSC at Public Access Authority (PAA) meeting.

Task 3 – Develop 1-2 management plans for public and/or nongovernmental organization holdings acquired for conservation purposes = 40% complete  
MPPDC staff consulted with PAA representative regarding a management plan for the Haworth Tract, DRSC recommendations for site management and a timeline to develop and approve a plan; MPPDC staff attended stakeholder visioning session for this tract; MPPDC staff consulted with representatives from TNC regarding final input for the Dragon Flats tract; MPPDC staff incorporated input from VIMS staff regarding the Dragon Bridge tract management plan and is currently preparing a final draft.

Task 4 – Implement biodiesel partnership = 50% complete  
MPPDC staff coordinated with Virginia Clean Cities to implement the biodiesel local government resolutions; MPPDC attended first school bus fleet biodiesel meeting, provided outreach to interested parties, such as the Middlesex Farm Bureau, wrote an article for the CZM Program magazine and provided input about the project to a reporter from a local paper.

Task 5 – Dragon Run Estate Planning Network Initiative = 25% complete  
MPPDC staff consulted with representatives from the Essex County Countryside Alliance, Middle Peninsula Land Trust, TNC and Friends of Dragon Run regarding this initiative; MPPDC staff attended ECCA meeting, identified target Dragon Run parcels in Essex for the ECCA, and identified target parcels in the remainder of the watershed; MPPDC staff consulted with local CPA regarding hosted continuing education course for attorneys and CPAs on conservation estate planning.

Task: 96.01 TBD Seaside SAMP: Identification of Potential New Enforceable Policies				
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u> Project Pending
Proposed	Start:	End:	Closeout:	
	10/1/2007	9/30/2008	12/31/2008	

This project remains uncontracted due to delays in completing its predecessor Task (FY 2005 Task 9.01).

Year: 2007

**VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM**  
Performance Report, Section A, for Cooperative Agreement No. NA07NOS4190178  
for the period from October 1, 2007 - March 31, 2008

Task: 96.02 Accomack-Northampton Planning District Commission  
Seaside SAMP: Community Forum on Buildout Analysis Using Community Viz

<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u>	Project Pending
Pending	Start:	End:	Closeout:	
	4/1/2008	9/30/2008	12/31/2008	

A scope of work is being negotiated for this task that will provide CommunityViz software training to the Accomack and Northampton County staff. Funds will also be used to hold a community forum for the two counties on June 11, 2008. Through a Maryland CZM grant a contractor, Chuck Donley & Associates, input land use and other data into the four DAWN (Delmarva Atlantic Watershed Network) counties last fall. Public meetings were held in December 2007 and the initial run results were presented. This showed the possibility of a tripling of household units in Accomack and Northampton if current zoning allowances were "built out." Through this task, the two Counties will develop the capability to manipulate the software and test the impacts of various zoning change scenarios to their natural resources and pollution loads.