

**Queen Anne's County
2016-2017 BMP Implementation Milestones**

- 250 Linear feet of regenerative stormwater conveyance
- 500 Linear feet of stream restoration
- 3,000 Linear feet of shoreline stabilization
- 1,000 Linear feet of vegetated open channels
- 2,500 Trees planted (other than forest conservation)
- 6 Acres of created wetlands
- 2,500 square feet of impervious surface reduction
- Street sweeping at current pace
- 2 Acres of vegetated filter strips
- 250 Linear feet of riparian buffers

Action	Proposed Rate	Actual Implementation Rate
Regenerative Stormwater Conveyance	250 Linear Feet	Implemented an RSC/stream restoration that treats 152 acres of land
Stream Restoration	500 Linear Feet	
Shoreline Stabilization	3,000 Linear Feet	Approximately 3,200 feet of shoreline stabilization/living shorelines
Vegetated Open Channel	1,000 Linear Feet	Roughly 1,050 feet of vegetated channels with a drainage area of approximately 10 acres
Trees Planted	2,500 Trees	Planted 7.5 acres of trees
Created Wetlands	6 Acres	Created wetlands with a combined drainage area of approximately 93 acres
Impervious surface Reduction	2,500 Square Feet	Removed 40,946 square feet (.94 ac) of impervious surfaces
Street Sweeping	Current Rate	172,000 lbs/year
Vegetated Filter Strips	2 Acres	.15 ac of filter areas planted. Focus changed to bioretention – 11.8 ac treated with bioswales/bioretention areas
Riparian Buffer	250 Linear Feet	Approximately 900 linear feet planted, however, project completed just outside of the dates for this reporting period

Updated 3/5/18

Queen Anne's County 2016 - 2017 Programmatic Two-Year Milestones

Target Date	Milestone	Deliverable	Lead Agency	Comments/Status Updates
Education and Outreach				
2016	Watershed assessment and priority restoration plan.	Chester River Watershed Assessment and Priority Restoration Plan.	Chester River Association	Completed
2017	Create a "Clean Water" signage program.	Create interpretive signage to be placed at strategic intersections between people and our waterways.	Midshore Riverkeeper Conservancy QA County	The "Clean Water" signage grant was not funded but interpretive signage is currently being designed for several water quality projects; however, they have not been completed at the time of this reporting.
2016	Create Project signage	Make signs that are able to be installed at project sites and identify the work as a WIP project.	QA County	Completed
On-going	Support community involvement.	Where feasible, volunteers will be used to assist in completing a project.	QA County	Volunteers have been involved in plantings within the County. Students have participated in tree plantings, living shoreline plantings, on-site environmental education lessons and park clean-ups.
Septic Systems				
On-going	Septic System Upgrades	The Dept. of Environmental Health will continue to upgrade septic systems using Bay Restoration Funding. All new or replacement septic systems within the Chesapeake Bay Critical Areas are required to be nitrogen removing systems.	Dept. of Env. Health	The Environmental Health Department continued to use Bay Restoration funding to assist homeowner with the installation of new BAT septic system upgrades.

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On-going	Twenty percent of the septic systems in the County will be pumped out in each of the two years, for a total of forty percent over the milestone period. The County has established an on-going program that requires all septic systems to be pumped out over a five year period.	Septic Pumping	QA County	<ul style="list-style-type: none"> - On-going - The County provides a list of permitted haulers as well as an educational document, “A Pocket Guide to Your Home Septic System”
On-going	The County continues to work diligently with the State of Maryland to find a solution to the failing septic systems that have been identified by the Dept. of Environmental Health on Southern Kent Island.	Continued effort to correct failing septic systems with sewer connections.	QA County Dept. of Env. Health MDP MDE	<ul style="list-style-type: none"> - County and State Officials have worked diligently on this topic and great strides have been made. -The Queen Anne’s County Sanitary Commission has established the South Kent Island Wastewater Sub-district of the Queen Anne’s County Sanitary District to provide service to nine (9) communities. -Phase I of construction was approved in August 2016. - All of the project details have been documented and are available on a dedicated page on the County website. http://qac.org/1128/Archived-SKI-Information
Coordination				
2016-2017	Enhance Inter-Departmental Coordination	Work with other County Departments such as Parks and Public Works to implement WIP projects.	QA County	Work in progress. During this milestone period great strides have been made in regard to the coordinated efforts to between Parks and Planning & Zoning.

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2016-2017	Work with the local citizen groups and environmental organizations.	Support the work done by local citizen groups and environmental organizations. Where possible collaborate with these groups to assist in WIP implementation.	QA County	<p>-Great working relationships with the local environmental organizations have been established.</p> <p>-Partnerships to leverage funding have been created and these have allowed for the implementation of numerous projects within the County.</p> <p>-Beyond the local environmental organizations, QAC participated in the Healthy Waters Roundtable. This was a group of more than 30 local government representatives from 15 different jurisdictions on the Eastern Shore.</p>
On-going	Partner with the Chesapeake Bay Foundation and World Resources Institute.	Pilot program to demonstrate how a nutrient trading program could be incorporated into the QA County WIP for stormwater as a cost saving measure.	CBF WRI QA County	Completed – unfortunately a nutrient trade was not ultimately made. CBF and WRI published articles that documented the project and some of the lessons learned.
2017	Map BMP's.	Work with County GIS department to create database that will allow for mapping and tracking of BMP's.	QA County	N/A
Other				
2016	Evaluate the County's capabilities.	Determine if there is a need to hire a consultant to assess County properties and design and/or engineer WIP projects vs. doing this in-house.	QA County	Completed – determined at this time the in-house capabilities are adequate. This will be examined again in the future.

Target Date	Milestone	Deliverable	Lead Agency	Comments/Status Updates
2016-2017	Park masterplans.	Park masterplans that provide some focus toward the enhancement of local water quality as well as habitat protection and creation.	QA County	On-going.
2016	Create landscape spec.	Create a QAC landscape spec. to be used for tree plantings countywide.	QA County	On-going.
2016-2017	Seek the establishment of a Watershed Stewardship Academy on the Eastern Shore and potentially in QA County.	The creation of a Watershed Stewardship Academy.	U of MD Sea Grant Ext. QA County	On-going - discussed at length but no decisions made.
2016-2017	Make an effort to provide projects that provide benefits beyond nutrient removal.	Implementation of projects that provide neighborhood beautification, recreational opportunities, wildlife habitat, etc.	QA County	This continues to be a focus of the County. Many projects are occurring in our parks that not only assist with water quality but also enhance the park properties. Also numerous projects are being implemented on the Chesapeake College campus. These projects provide much needed assistance with stormwater management but also are integrated into the campus landscape.
2016	Environmental Advisory Committee/Green Team	The Town of Centreville previously had an Environmental Committee and will re-establish this committee once again.	Town of Centreville	-Centreville established an Environmental Advisory Committee and they also serve as the Centreville Green Team. -Environmental Advisory Committee/Green Team meets the 3rd Wednesday of each month.
2016-2017	Centreville - Sustainable MD Certified Community	Centreville will apply to become a Sustainable MD Certified Community.	Town of Centreville	Centreville is currently a Certified Sustainable Maryland Community.