

SOMERSET COUNTY
2012-13 PROGRAMMATIC MILESTONES
FINAL REPORT

February 20, 2014

BACKGROUND

Somerset County’s Phase II Watershed Implementation Plan was submitted on July 2, 2012, and included a section on milestones to be achieved in two-year intervals to meet the nitrogen and phosphorous Targets. This report summarizes the status of efforts to achieve the milestones that are established for December 31, 2013.

The targets assigned to Somerset County by the five sectors (Agriculture, Forest, Urban, Septic and Wastewater) are summarized below. As can be seen in the table, the targets for 2025 have not been met in the Agriculture, Urban and Septic sectors. The Agriculture sector is proceeding on a separate track, so this report will focus on the Urban and Septic sectors.

SECTOR	2009 Nitrogen Load	2009 Phosphorus Load	2017 Nitrogen Allocation	2017 Phosphorus Allocation	2025 Nitrogen Target	2025 Phosphorus Target
Agriculture	1,122,744	103,061	1,084,102	107,025	1,058,340	109,668
Forest	216,600	6,486	218,473	6,525	219,723	6,551
Urban	111,143	7,457	88,748	5,200	73,817	3,695
Septic	54,247	0	41,481	0	32,970	0
Wastewater	36,213	1,964	42,638	2,855	46,921	3,449
Total	1,538,947	118,968	1,475,442	121,605	1,431,771	123,363

Local Area 2012-2013 Milestones

The period covered for this report is January 1, 2012 – December 31, 2013, and includes only the Septic and Urban sectors, as noted above.

Implementation Actions

- | | <u>Proposed</u> | <u>Actual</u> |
|--------------------------------|-----------------|---------------|
| a.) Number of septic upgrades: | 50 | 50 |

Discussion: The proposed number of septic upgrades was based on the number of systems that were installed in previous years, and assumed that funding

would remain comparable. Funding from the Bay Restoration Fund (BRF) allows approximately 23 traditional septic systems to be replaced annually with BAT systems.

	<u>Proposed</u>	<u>Actual</u>
b.) Bioretention Pond:	0.08 ac.	10.0 ac.

Discussion: The Town of Princess Anne is planning 10.0 acres of channel restoration, bioretention and shoreline protection within Manokin River Park.

c.) Street Sweeping:	11,375 ft. of curb/year
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Discussion: The Town of Princess Anne implements a regular street sweeping program that has continued.

Programmatic Actions

- a.) Through a grant obtained from the National Fish and Wildlife Foundation, Inc., receive assistance from the Center for Watershed Protection to identify stormwater management retrofit projects, wetland restoration areas, sites for tree planting and other strategies that will help meet the County's Urban target for 2025. This analysis will include an estimate of costs needed to implement the identified projects to assist with future budgetary planning by the County.

STATUS: Somerset County received the grant from NFWF and a report was prepared by CWP entitled "Stormwater Retrofit Opportunities in Somerset County, MD." Working cooperatively with local staff, the CWP visited 39 of 52 selected sites and identified 26 sites that were suitable for retrofits at various levels. A total of 46 individual retrofit concepts were developed. These projects had the potential to treat 48.8 acres of drainage (approximately 22 acres of impervious cover) and would result in pollutant load reductions of 134 lbs/yr of total nitrogen; 18 lbs/yr of total phosphorous; and 4,841 lbs/yr of total suspended solids. These reductions would be achieved at a total cost \$875,000. As noted in the table above, Somerset County needs to reduce total nitrogen in the Urban sector by more than 37,000 lbs by 2025 and phosphorous by more than 3,700 lbs. Extrapolating the costs included in the study to the 2025 targets indicates total costs to achieve the County's 2025 targets will be more than \$200 million. The County is assessing what its next steps will be toward meeting the Urban sector targets, but it is anticipated that at the minimum, several projects will be pursued as a result of the CWP study as grant funding allows.

- b.) Develop tracking and reporting systems for future Implementation actions related to septic system upgrades and Urban BMPs being proposed.

STATUS: Septic upgrades and BAT system installations are tracked by the local Health Department. Tracking for the Urban strategies are handled through the regular inspections required by the County's Stormwater Management Ordinance.

- c.) Develop the framework for a County-wide program of septic system pumping, including a tracking system, public outreach and education, and explore funding mechanisms.

STATUS: No significant progress to date.