

Washington County Maryland
2014/2015 Milestone
Update 2/3/2015

Target Date	Milestone	Deliverable	Lead Agency	Comments/Status Update
Washington County Government				
	Annual mechanical street sweeping of 863 miles in both regulated and non-regulated urbanized areas and also in non-urbanized areas as budget allows.		Washington County	Approximately 275 tons debris from roadway in 2014
	Reviewing the potential storm water retrofits and bio filter projects for roadways that could be included in County CIP. Final inclusion and implementation contingent upon funding and approval by Board of County Commissioners.		Washington County	Review ongoing
	Analyze the potential of placing County owned property under an Urban Nutrient Management Plan.		Washington County	Analysis ongoing
	Evaluation of infrastructure mapping for stormwater conveyance systems and use as a tool to identify future BMPs and target maintenance efforts.		Washington County	Evaluation ongoing
	The addition of storm water management infrastructure on Robinwood Drive Project to address an area with no prior storm water management is under construction.		Washington County	Under construction anticipate comp. 2015

	Evaluation of marketing approach to stormwater management education and outreach. Including evaluation of a recognition plan for business and residents taking a green approach. Implementation contingent on Board of County Commissioner approval and funding.		Washington County	Development Requirements	pending	MS4	Permit
	Evaluation of stormwater infrastructure financial needs and fiscal resources for maintaining an adequate program.		Washington County	Development Requirements	pending	MS4	Permit
	Analyze potential changes to the County Phase II MS4 permit which could become effective with new permit.		Washington County	Development Requirements	pending	MS4	Permit
	Define the County Phase II MS4 regulated area and work with MDE for approval. This area will exclude any areas which fall in an incorporated municipal area or are under a storm water system that is owned or operated by a separate entity.		Washington County	Analysis ongoing			
	In place and continuing to update a project list which can be utilized in development of yearly funding requests from the Board and various grant sources.		Washington County	Ongoing			
	Investigate new and alternative methods of working towards the target load reductions.		Washington County	Ongoing			
	Pursue various grant funding sources for implementation projects.		Washington County	Ongoing			
	Education of citizens on the WIP and how they can reduce the nutrient and sediment load in Washington County.		Washington County	2014 - Homebuilders show & Boonsboro Greenfest			
	Continue to work with MDE staff on refining the load reductions assigned to Washington County.		Washington County	Land use data provided in 2014 - ongoing			
	Under construction is the Greensburg Road Stream Restoration Project.		Washington County	Completed			

	Pursue grant funding for the Battletown Road Stream Restoration Project. Completion of the project contingent upon funding and Board of County Commissioner approval.		Washington County	Ongoing
	Pursue grant funding for the Devil's Backbone Dam Park Stream Restoration Project. Completion of the project contingent upon funding and Board of County Commissioner approval.		Washington County	Grant approved. Anticipate Const. Late 2015/early 2016
	Design Stormwater Management Pond for Southern Section Highway Department facility. Completion of the project contingent upon funding and Board of County Commissioner approval.		Washington County	
	Design Stormwater Management Pond for Western Section Highway Department facility. Completion of the project contingent upon funding and Board of County Commissioner approval.		Washington County	
	Pursue grant funding for Smithsburg WwTP stream restoration project. Implementation of project contingent on funding.		Washington County	Applications submitted in 2014 unsuccessful. Ongoing
	Work on development of a Watershed Restoration Plan for the Conococheague Creek.		Washington County	50% draft completed
	Investigate and explore new stream restoration projects on a continuous basis and seek funding for design and/or construction as the projects are developed. Completion of any projects will be contingent upon funding and Board of County Commissioner approval.		Washington County	Ongoing

Town of Boonsboro

	Annual clean-up of stream in Shafer Park with various organizations, including Boonsboro Recycling Task Force and Boy Scout Troops.		Town of Boonsboro	Ongoing
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	Work to identify I&I problem areas in the sewage collection system and address as financial feasible and approved by Mayor and Council.		Town of Boonsboro	Ongoing
	Continue identifying stream buffer/planting areas on Town Farm Property, King Open Space and Shafer Park. Implementation contingent on funding availability and Mayor and Council approval.		Town of Boonsboro	Ongoing
	Work on stormwater program and implementation plan. Implementation contingent on funding availability and Mayor and Council approval.		Town of Boonsboro	Ongoing
	Establish a program for stenciling the stormwater inlets.		Town of Boonsboro	Ongoing
	Work with local WIP Implementation Team on development of educational outreach on WIP related issues.		Town of Boonsboro	Ongoing
	Implement reforestation plantings in Shafer Park for Fletcher's Grove. Implementation contingent on funding availability and Mayor and Council approval.		Town of Boonsboro	Ongoing
	Continue working with property owners to reduce inflow and infiltration in the sewage collection system.		Town of Boonsboro	Ongoing
	Mechanical Street Sweeping of all streets in the Town on a bi-monthly basis. 13.39 miles. Evaluate the potential reduction and financial feasibility of expanding the program for load reduction. Implementation contingent on funding availability and Mayor and Council approval. Implementation of program changes contingent on financial feasibility and approval of Mayor and Council.		Town of Boonsboro	Ongoing
	Annual Green Fest event to promote, educate and encourage environmentally friendly actions.		Town of Boonsboro	Ongoing

	Work with the Crestview Homeowner's Association and Soil Conservation District to coordinate a clean-up for the stream and open space near Route 34 for Tributary 102.		Town of Boonsboro	New
	Work on designs for a bio-retention area to the Potomac Street area in an effort to minimize the impervious pavement pollution from entering the stream Shafer Park.		Town of Boonsboro	New

Town of Clear Spring

	Annual cleaning of storm drains and culverts.			Ongoing
	Analyze potential of mechanical street sweeping for load reduction in Town. 1.97 miles. Implementation is contingent on financial feasibility and approval of the Mayor and Council.		Town of Clear Spring	Ongoing

Town of Funkstown

	Mechanical street sweeping completed on an as needed basis. Typically at least once per year. 3.92 miles. Analyze potential of expanding mechanical street sweeping for load reduction in Town. Implementation is contingent on financial feasibility and approval of the Mayor and Council.		Town of Funkstown	Ongoing
	Cleaning of storm drains and culverts on a minimum of an annual basis.		Town of Funkstown	Ongoing
	Pursue grant funding from POS for tree planning.		Town of Funkstown	Ongoing
	Working with a consultant to map drainage areas with the town and identify potential projects for restoration. Implementation is contingent on financial feasibility and approval of the Mayor and Council.		Town of Funkstown	Ongoing

Town of Hancock

	Continue working on the potential of mutual projects with C&O Canal to address storm water in Town. Implementation contingent upon National Park Service and Mayor and Council approval and on financial feasibility.		Town of Hancock	Ongoing
	Mechanical street sweeping completed twice per year on 11.25 miles. Analyze potential of expanding mechanical street sweeping for load reduction in Town. Implementation is contingent on financial feasibility and approval of the Mayor and Council.		Town of Hancock	In 2014 Swept roads two times. Ongoing Program in 2015
	Storm drains and culverts cleaning a minimum of twice per year.		Town of Hancock	Completed 2014 - ongoing 2015
	Annual cleaning of the stream in Woodmyer Park.		Town of Hancock	Completed 2014 - 2015 Planning Stage
	Implementation of stormwater BMPs at Town ball fields as financially feasible.		Town of Hancock	Completed
	Planning the planting of 10 to 15 trees per year in Town as financially feasible.		Town of Hancock	2014 Planning completed. 2015 Ongoing.
	Acquired 20 acres of Forest Conservation lands in Town		Town of Hancock	New: Complete

Town of Keedysville

	Mechanical street sweeping will be increased to 6 times yearly on 5.75 miles of roadway in town. Program contingent upon budget.		Town of Keedysville	Ongoing - Mechanical street sweeping is taking place five times per year
	An educational program of communication with town residents through email and the town newsletter is being implemented advising residents of what individual actions they can take to support the WIP, such as tree planting and installations of rain barrels.		Town of Keedysville	Ongoing - The Town communicates via newsletter, it's website and Town meetings how residents can be proactive in lowering nitrogen and phosphorus loads by using rain barrels, planting trees, etc.

	Maintain spreadsheet on interim reporting, milestones and actions completed by the Town.		Town of Keedysville	Ongoing - As residents report various WIP related activities, they are recorded in the spreadsheet.
	Town Management (Mayor and Council) will research the ideas developed by County staff during a site visit to review what the town can do in support of the WIP. It should be emphasized that no action can be taken on those ideas until full information becomes available on their financial feasibility and approval of the Mayor and Council.		Town of Keedysville	Ongoing - The Mayor and Council continue to seek opportunities to lessen loads in the Town. However, as always, financial constraints must be consideration.

Town of Sharpsburg

	No mechanical street sweeping completed in Town. Investigate potential reduction of street sweeping for load reduction. Implementation is contingent upon financial feasibility and Mayor and Council approval.		Town of Sharpsburg	Ongoing - Analyze the feasibility of street sweeping once per year, if not more. Implementation is contingent on Mayor and Council approval, and financial feasibility.
	Cleaning the Town Pond area annually.		Town of Sharpsburg	New
	Establishing a rain garden within the Town limits, along with the assistance of the Boy Scouts and Girl Scouts, set to be implemented in Spring 2015.		Town of Sharpsburg	New
	Potential of establishing a rain barrel program to the residents within the Town limits, with the assistance of the Boy Scouts and Girl Scouts and local town residents, set to be implemented in Spring 2015 and contingent upon Mayor and Council approval and financial feasibility.		Town of Sharpsburg	New
	Establish a system for stenciling the storm water drains.		Town of Sharpsburg	New

	Establish a system to clean the storm water drains within the Town limits on a regular schedule that is financially feasible with the Town, and at a schedule that is approved by the Mayor and Council, at the very least once a year.		Town of Sharpsburg	New
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Town of Williamsport

	Mechanical street sweeping completed once per week on 9.87 miles.		Town of Williamsport	Ongoing
	Planting 72 trees in Bryon Memorial Park with DNR in March 2014.		Town of Williamsport	Ongoing - Planting 30 trees in Byron Memorial Park and along Potomac Street with DNR in April 2015.
	Continue ongoing work on sewage collection I&I correction. Level of effort dependent upon budgetary restraints and Mayor and Council approval.		Town of Williamsport	Ongoing
	Continue to apply for Urban Greening Grant which includes 700 tree plantings.		Town of Williamsport	Ongoing - Continue implementation of grant work for greening of the main street which includes rain barrel installation, replacement of sidewalk with pervious concrete and planting of trees.
	Continue implementation of grant work for greening of the main street which includes rain barrel installation, replacement of sidewalk with pervious concrete and planting of trees.		Town of Williamsport	Ongoing
	Cleaning of storm drains on a monthly basis.		Town of Williamsport	Ongoing
	Semi-annual cleanup of the stream in the Town Park.		Town of Williamsport	Ongoing
	General trash cleanup day for town residents around there homes.		Town of Williamsport	Ongoing

	Conococheague Creek and Potomac River cleanup completed annually with Springfield Middle School and Antietam Creek Watershed Alliance as partners.		Town of Williamsport	Ongoing
	Hold a benefit concert at River Bottom Park with proceeds being divided between participating WIP stakeholders and utilized for educational and implementation projects for the WIP. Exact projects will be dependent upon amount of funds raised.		Town of Williamsport	Ongoing - Education of citizens on the WIP and how they can reduce the nutrient and sediment load in Washington County.
	Establish a program for stenciling the stormwater inlets.		Town of Williamsport	New
	Annual Fall and Spring Town clean ups.		Town of Williamsport	New

Soil Conservation District

	Work with Washington County staff on the review of County properties for potential projects including potential tree plantings projects. Implementation of project contingent upon approval by all parties and funding.		Soil Conservation District	Ongoing - Continue evaluation of County properties for potential tree planting projects.
	Continue current outreach events at the Home Builder's Show; Green Fest; Urban Conference; Green Card Class; Sharpsburg Heritage Festival; and tree sale.		Soil Conservation District	Ongoing - Conducted outreach events at Home Buildings Show, Boonsboro Green Fest, Washington County Ag Expo, and annual Tree Seedling Sale.
	Complete stream restoration on 650 linear feet of Beaver Creek on the Barr Property. Federal funding for the project has been approved.		Soil Conservation District	Complete - Design and permitting for stream restoration of 650 linear feet of Beaver Creek with Clean Water Act section 319 (h) funding
	Complete stream restoration on 3,100 linear feet of Little Antietam Creek on the Shank/Anderson Property. Federal funding for the project has been approved.		Soil Conservation District	Complete - Design and permitting for stream restoration of 1,300 linear feet of Little Antietam Creek with Clean Water Act section 319 (h) funding.

	Complete stream restoration on 600 linear feet of Grove Creek on the Anderson Property. Federal funding has been approved.		Soil Conservation District	Complete - Design and permitting for stream restoration of 600 linear feet of Grove Creek with Clean Water Act section 319 (h) funding.
	Secure funding for additional stream restoration projects to further implementation goals of the Antietam Creek Watershed Restoration Plan for meeting the sediment TMDL.		Soil Conservation District	Complete - Secured Clean Water Act section 319 (h) funding for stream restoration of 175 linear feet of the Antietam Creek at Kiwanis Park. Project will restore the stream banks and provide water craft access and includes installation of an information Kiosk. Complete - Design and permitting and advertised for construction bids.

***Note- Some of the stream restoration items are related to #6 from the Milestones (Secure funding for additional stream restoration projects to further implementation goals of the Antietam Creek Watershed REstoration Plan for meeting the sediment TMDL).**

	Installed information Kosk at Funkstown Fire Hall as part of Phase I, Antietam Creek Watershed Restoration Plan information and education component.		Soil Conservation District	New - Complete
	Secured private sector funding for an information kiosk to be installed at a conoe access point on the Antietam National Battlefield.		Soil Conservation District	New
	Submitted draft proposal for stream restoration in cooperation with the City of Hagerstown for Hamilton Run.		Soil Conservation District	New
	Completed septic system repair/replacement utilizing Clean Water Act section 319 (h) funding by installing Best Available Technology septic system.		Soil Conservation District	New
	Advertise for bids and construct for stream restoration of 650 linear feet of Beaver Creek with Clean Water Act section 319 (h) funding		Soil Conservation District	New - Planned for 2015

	Advertise for bids and construct stream restoration of 1,300 linear feet of Little Antietam Creek with Clean Water Act section 319 (h) funding.		Soil Conservation District	New - Planned for 2015
	Advertise for bids and construct stream restoration of 600 linear feet of Grove Creek with Clean Water Act section 319 (h) funding.		Soil Conservation District	New - Planned for 2015

Washington County Board of Education

	Plant trees in stormwater pond at Paramount Elementary		WCBOE	
	Implementation of 6 stormwater features at Bester Elementary		WCBOE	
	Implementation of 1.9 acres of Forest Conservation for the Bester Elementary School.		WCBOE	
	Continue to offer students a variety of education programs including environmental science courses, watershed field trips to the Potomac River, and the Envirothon competition that focuses on environmental resources management. Students have incorporated rain barrels and rain gardens into several school water management plans as an application of their lessons.		WCBOE	
	Continue students' participation in additional environmental themed programs at the following specialized facilities: Claude Kitchens Outdoor School at Fairview, Agricultural/Environmental Academy at Clear Spring High School, and the Math Science STEM magnet schools at Springfield Middle School and Williamsport Elementary School.		WCBOE	

City of Hagerstown

	Continue the City's current street sweeping program, and possibly expand the scope of the program (i.e. hit more streets more frequently) if the City Council approves additional funding, and if the pollutant reduction benefits are significant.		City of Hagerstown	Ongoing
	Continue (and possibly expand) the City's program to plant street trees throughout the City to increase the overall forest canopy coverage; this program would be contingent upon continued grant funding from DNR and other agencies, and on continued budget support from the City Council.		City of Hagerstown	Ongoing
	Currently designing plans for the reconstruction/reconfiguration of the lake at Pangborn Park, which will include replacement of existing hardscape surfaces with a more natural lake shoreline, and the restoration of approximately 400 linear feet of the existing Hamilton Run stream channel adjacent to the park. Construction is contingent upon anticipated grant funding, and General Fund expenditures approved by the City Council.		City of Hagerstown	Ongoing
	Under direction from the City Council, to seek funding to study additional sections of Hamilton Run, Marsh Run, and Antietam Creek within the City's corporate limits to identify sites for future stream restoration projects.		City of Hagerstown	Ongoing
	Study, and possibly implement (based upon City Council approval), an Urban Nutrient Management Plan for City-owned facilities with significant amounts of maintained turf area (e.g. Fairgrounds Park, Hagerstown Greens golf course, other parks and playgrounds, etc.).		City of Hagerstown	Ongoing

	<p>Study the feasibility of an expanded Urban Nutrient Management program to reduce pollutant loads from non-City owned facilities and properties. Facilities that would be investigated include Board of Education Facilities within the City's corporate limits (e.g. North High, South High, and other school facilities), Rose Hill cemetery, and possibly larger commercial sites. This effort would require the support of the City Council, as well as the cooperation of the affected private property owners and agencies. Ultimately, the study could be expanded to look at a City-wide Nutrient Management program for all properties within City limits.</p>		City of Hagerstown	Ongoing
	<p>In 2013, using grant assistance from the Chesapeake Bay Trust, the City hired URS Corporation to complete a Stormwater Management Retrofit Study. This study identified and ranked 44 potential sites for retrofit projects, and provided conceptual designs for three of the highest ranking projects. The City is applying for a Chesapeake & Atlantic Coastal Bays Trust Fund Capital Improvement Grant to construct two of these facilities, and will seek additional funding to construct additional retrofit facilities in the coming years.</p>		City of Hagerstown	Ongoing
	<p>Staff has presented information on various funding mechanisms (including a Stormwater Utility Fee) to the Council. Council has not taken any action on the idea of such a fee and will wait until a new NPDES Phase II permit is issued before making a decision.</p>		City of Hagerstown	Waiting on new MS4 Permit parameters

	<p>In 2014, the City was awarded a Chesapeake & Atlantic Coastal Bays Trust Fund Capital Improvement Grant to construct two stormwater management retrofit facilities to treat runoff from previously “unmanaged” areas. The design of these facilities is nearing completion, and the City anticipates that construction of the facilities will be complete by mid-2015. The City just submitted a “Letter of Intent” to apply for additional grant funding from this program in order to construct additional stormwater management retrofit projects.</p>		City of Hagerstown	Ongoing
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Town of Smithsburg

	<p>Annual Mechanical Street Sweeping of all Town streets. 12.17 miles.</p>		Town of Smithsburg	May 2014 Completed - Ongoing 2015
	<p>Evaluate potential of expanding the street sweeping program; planting of additional trees and education outreach on rain gardens and barrels for load reduction potential in meeting the loading allocation. The implementation of these practices is dependent on adoption of the Mayor and Council and funding availability.</p>		Town of Smithsburg	Ongoing
	<p>Continue investigation of sewage collection system I&I problem areas and schedule repairs based on financial capabilities.</p>		Town of Smithsburg	Ongoing

Non-regulated Urban

	<p>Review potential of Urban Nutrient Management Plan for load reduction potential and financial feasibility.</p>		Non-regulated Urban	Ongoing
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	Annual mechanical street sweeping of 863 miles in both regulated and non-regulated urbanized areas and also in non-urbanized areas.		Non-regulated Urban	Approximately 275 tons of debris was removed from roadway in 2014.
	Reviewing the potential storm water retrofits and bio filter projects for roadways that could be included in County CIP. Final inclusion and implementation contingent upon funding and approval by Board of County Commissioners.		Non-regulated Urban	Ongoing

Septic Tanks

	Based on current BRF funding levels from MDE approximately 20 systems are upgraded each Fiscal Year. Contingent upon funding from the BRF.		Septic Tanks	18 septic tank repair/replacement w/BAT Technology.
	Evaluate and develop a tracking system for septic tank pumping.		Septic Tanks	Ongoing

Wastewater Treatment Plants - Washington County Division of Environmental Management

	Receive approval of the Preliminary Design Report for the Conococheague WwTP ENR Upgrade project from MDE and begin design and construction accordingly.		Wastewater Treatment Plants - Washington County Division of Environmental Management	2014 - 90% design complete. Anticipate start of construction 2015.
	Begin and complete construction of the Winebrenner WwTP ENR Upgrade project.		Wastewater Treatment Plants - Washington County Division of Environmental Management	Contract awarded in Fall of 2014. Construction ongoing in 2015.

Actions under review of the Washington County Watershed Implementation Team with implementation contingent upon approval from overseeing authorities and receipt of funding.

	Analysis of Urban Nutrient Management Plan program in Washington County.		Washington County Division of Environmental Management	Ongoing
	Review and establish a County reporting and tracking system for WIP implementation.		Washington County Division of Environmental Management	Ongoing
	Continue review of potential septic connections to public sewer systems.		Washington County Division of Environmental Management	Ongoing
	Development of educational outreach programs.		Washington County Division of Environmental Management	Ongoing
	Review current tracking, verification and reporting methods of all agencies involved in WIP activities for development of a central consolidation of this information to enhance WIP and local watershed management.		Washington County Division of Environmental Management	Ongoing

