

Mathews County Proposed Strategies

CHESAPEAKE BAY PHASE II WIP INPUT TO DCR

PART 4. Develop strategies to implement the preferred BMP scenarios

PART 5. Identify any resource needs to implement the strategies and BMP scenarios

SOURCE	STRATEGY TYPE	BMP	STRATEGY	RESOURCE NEEDS	REFERENCES
Agriculture	BMP Implementation		Consider adopting an ordinance that would require riparian buffers and livestock exclusion fencing adjacent to waterways to protect local water resources such as perennial streams, floodplains, wetlands, and highly erodible soils.	Requires ordinance changes or other authorizing legislation.	
Agriculture & Urban	BMP Implementation		Explore ways to recognize and reward landowners who protect streams from pollution by employing best management practices (BMPs).	State and local funding	
Agriculture	BMP Implementation		Work with the Tidewater Soil and Water Conservation District to investigate opportunities to provide additional incentives to farmers to increase participation in cost-share program	State funding to provide additional incentives to increase farmers' participation	
Construction	Capacity Building		Evaluate the staffing needed to effectively enforce compliance with stormwater management and erosion and sediment control ordinances		
Septic	Capacity Building		Consider expanding the CBPA Overlay District to include all lands within the County. This strategy will increase the number of participants in the 5-year septic system pump-out/inspection program	Local ordinance change	VA WIP II draft, p. 20
Septic	Capacity Building		Consider developing educational programs to inform residents of the benefits of retrofitting existing alternative on-site sewage systems with a certified treatment technology to achieve a reduction of total nitrogen output	State and local funding	
Septic	Capacity Building		Encourage landowners within identified sanitary sewer service districts to connect to HRSD's transmission force main and discontinue use of existing on-site sewage systems		
Urban	BMP Implementation	Multiple	Seek opportunities through grants and other funding sources to implement stormwater retrofit projects.	State, federal, and private grants. Increase in local CIP funding.	
Urban	BMP Implementation	Multiple	Identify financial or other types of incentives for application of low impact development & re-development.	Change to local tax and fee structure.	

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Urban	BMP Implementation	Multiple	Contact the Virginia Department of Transportation (VDOT) to identify opportunities to install and maintain bio-retention filters on private property abutting drainage ditches in VDOT rights-of-way		
Urban	BMP Implementation	Multiple	Consider adopting landscape or tree canopy ordinances to enhance the management of stormwater run-off	Code and ordinance changes	
Urban	Capacity Building	Multiple	Consider adopting Virginia Stormwater Management Regulations prior to 2014	Accelerate review of codes & ordinances; establish institutional structures; funding to start the process	
Urban	Capacity Building	Multiple	Consider establishing stormwater utility fees, service districts, or pro-rata fee programs to address sediment and nutrient loads associated with stormwater runoff	Local ordinance change	VA WIP II draft, p. 14-15
Urban	Capacity Building		Consider amending existing minimum off-street parking ordinance to reduce impervious cover	Local ordinance change	
Urban	Capacity Building	Multiple	Consider developing an educational program to inform property owners of the need to reduce excessive fertilizer use on lawns		
Multiple	Capacity Building	Non-Urban Stream Restoration	Consider developing an educational program to inform property owners and contractors about the 'living shoreline' erosion control recommendations identified in the Mathews County Shoreline Management Plan		
Multiple	Capacity Building		Investigate the role of shellfish aquaculture as a nutrient uptake strategy		
Multiple	BMP Implementation	Multiple	Explore requirements for vegetation and native plantings within required open space, RPA buffer areas and pervious areas to boost function of pervious areas.	May require authorizing legislation	VA WIP II draft, p. 16-17
Multiple	Capacity Building	Multiple	Consider using land use taxation to encourage conservation practices	VA legislative authority	VA WIP II draft, p. 13

References

Commonwealth of Virginia (2011) *Virginia WIP II Draft*