

Improving the Water Quality Protection Charge

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Polluted Runoff Impacts Public Health and the Environment

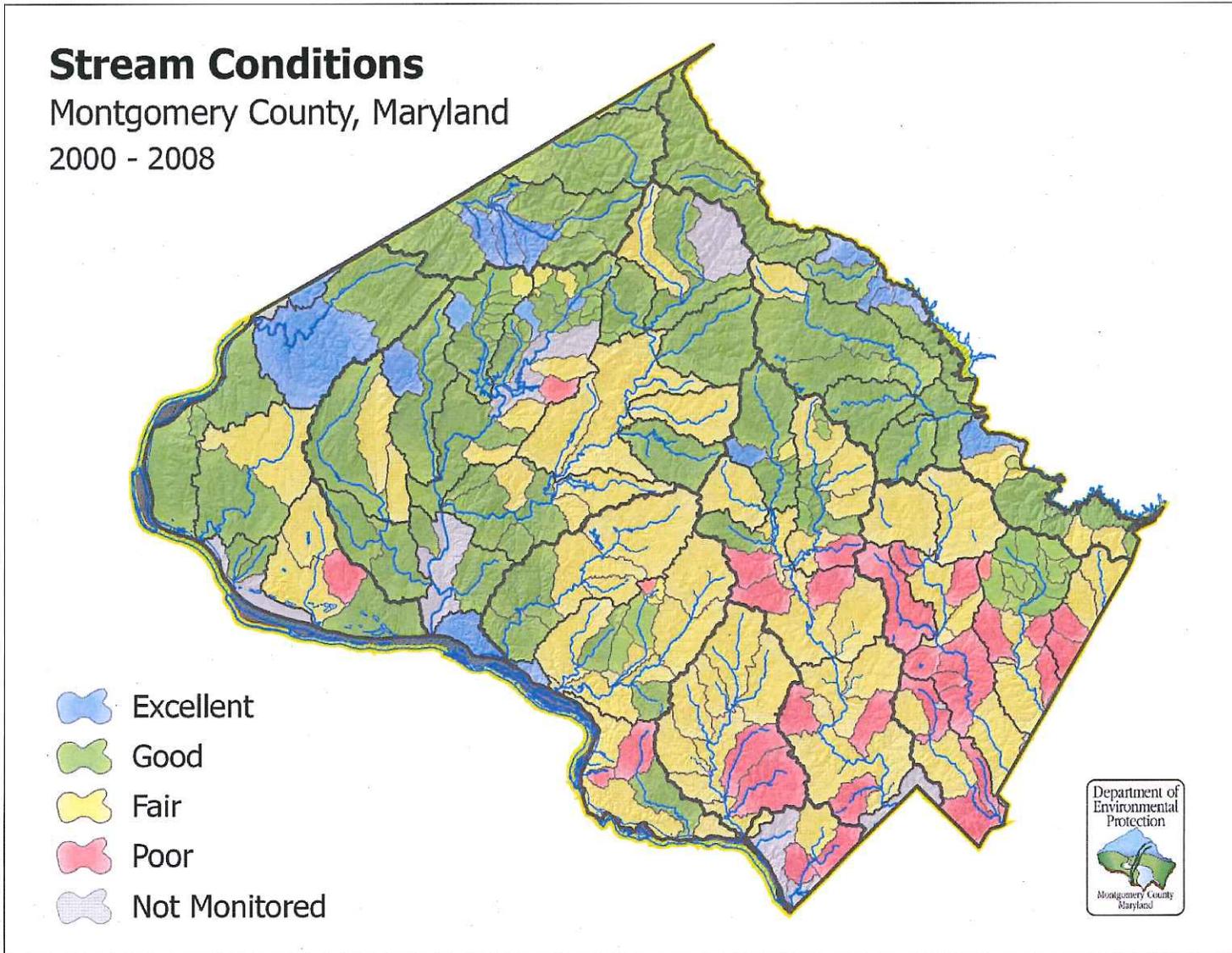


Stormwater from urban sources is a leading cause of water pollution in the county



Polluted Runoff Degrades Watershed and Infrastructure



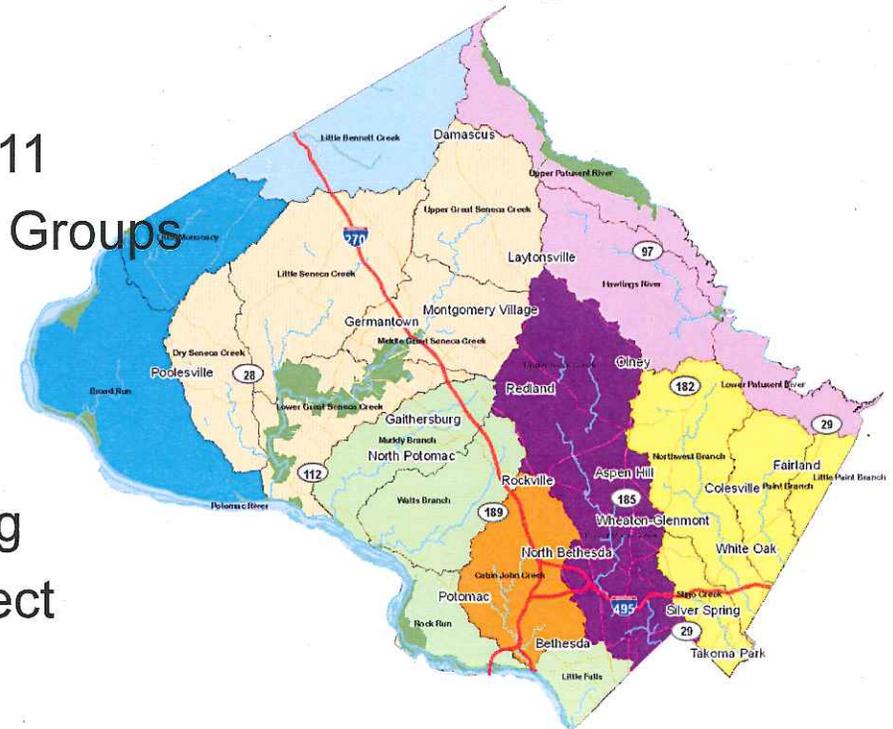


MS4 Permit Requirements

- *Strengthen Stormwater Controls:* Implement restoration projects on 20% of impervious surfaces not currently controlled to the maximum extent practicable (MEP) (4,300 acres)
- *Improve Water Quality:* Must show progress toward meeting wasteload allocations
- *Reduce/Eliminate litter in streams* to meet commitments in Trash Free Potomac Treaty and Anacostia Trash TMDL
- *Develop Implementation Strategy:* within one year after permit issuance to meet Permit requirements
- *Monitor Performance:* Track and report progress toward meeting Permit requirements
- *Fully Engage Public:* Enhance outreach and stewardship opportunities
- *Other Requirements:*
 - Governor's schedule for Nutrient Reductions: 60% by 2017, 100% by 2020
 - Bay Program Schedule for Nutrient Reductions: 60% by 2017, 100% by 2025

Draft Countywide Implementation Strategy

- Submitted to MDE February 16, 2011
- Detailed plans for Eight Watershed Groups
- Meet MS4 permit requirements
- Includes public outreach and stewardship plan
- Establishes tracking and accounting
- Uses adaptive management to reflect experience during implementation



Projects and Costs

- 4300 acres of stormwater retrofits
 - Approximately 750 acres of environmental site design (ESD) (approximately 500 projects including bioretention, Rainscapes, etc.)
 - Approximately 3500 acres of traditional structural stormwater retrofits (approximately 250 projects, mostly stormwater ponds)
- Estimated cost: Over \$300 million through February 2015 (5 year permit cycle)

Environmental Site Design Retrofits



White oak Library Tree Boxes



Dennis Ave Health Center Bioretention Cell

Traditional Stormwater Retrofits



**Rock Creek- Turkey Branch
Peppertree Pond Retrofit**



Water Quality Protection Charge Background

- March 2002 fund implemented at \$12.75/Equivalent Residential Unit
- Current rate is \$70.50/ERU
- Residential property charged one ERU equal to 2,406 sq ft.
- Townhomes billed at 1/3 ERU.
- Condominiums and apartments charged based on actual imperviousness
- Non residential property only charged for impervious area draining to a residential stormwater pond (Associated Non-Residential)

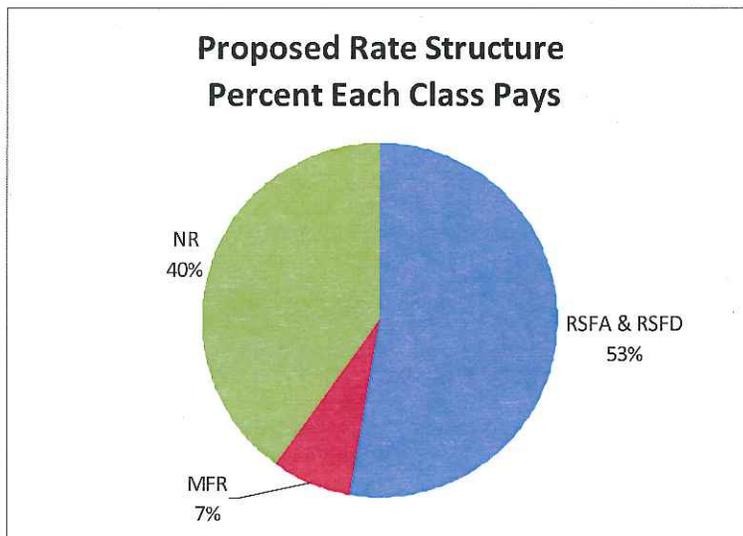
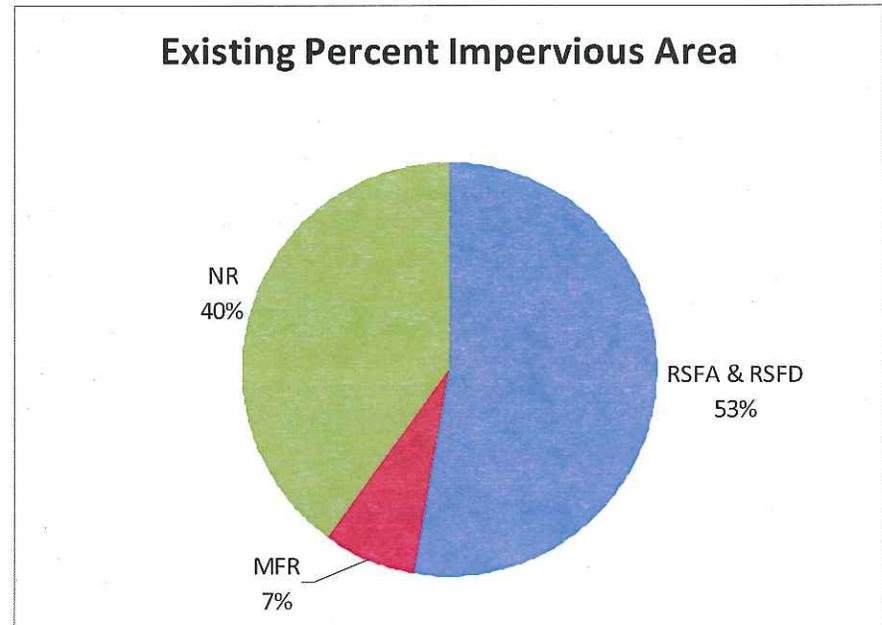
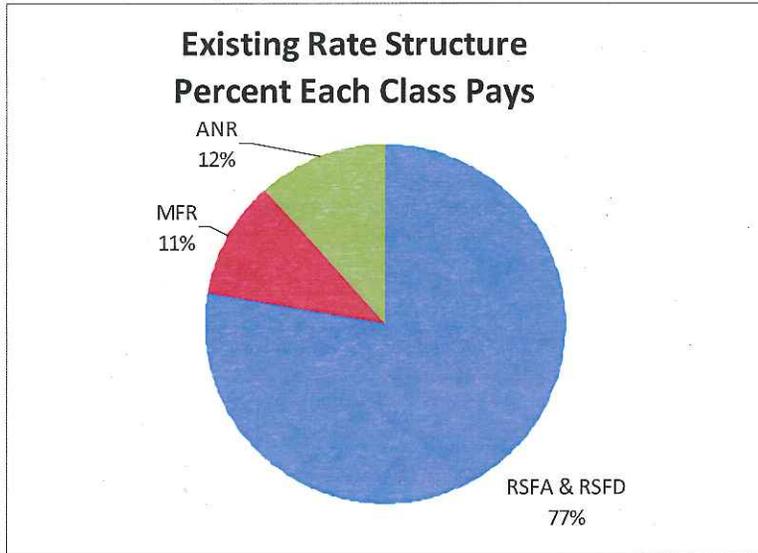
Proposed Improvements to the WQPC

1. Charge all properties based on their actual imperviousness (rate x sq ft of impervious)
2. Charge all commercial and nonprofit properties (abolish “Associated Non-Residential” category)
3. Provide incentives to residential, commercial and nonprofit properties to encourage installation and maintenance of stormwater controls
4. Encourage Stormwater Management through:
 - Grants (new programs)
 - CIP (new programs)
 - Rainscapes (existing)
 - Credits

Comparison of Existing and Proposed WQPC

	Current Program	Suggested Changes
Residential Single Family	Residential single family detached home pays one equivalent residential unit (ERU) based on median of statistical sampling	Actual impervious area with a cap
Multi-Family Residential	Actual impervious area	Actual impervious area. (no change)
Non-Residential	Non-residential not charged unless property drains to a residential stormwater facility	Actual impervious area (with 3 year phase-in) plus credits
Associated Non-Residential	Actual impervious area within the residential drainage area	No longer a category
Agriculture Properties	Residence charged one ERU	Actual impervious (per sq. ft) of residential structure only

Existing and Proposed Percentage Paid per Class



RSFD = Residential Single Family Detached

RSFA = Residential Single Family Attache

ANR = Associated Non-Residential

NR = Non Residential

MFR = Multifamily Residential

Provide Credits to Encourage Stormwater Management

- Credit amount based on qualifications
 - Has stormwater control on property
 - Provides proof of maintenance of SWM control
 - Is providing good housekeeping and/or other programmatic measures (i.e., trash removal, pet waste program, etc.)

Charge Reduced for Avg. Resident

