Reducing pollution in the Rappahannock from your own backyard!

Friends of the Rappahannock (FOR) was formed in 1985 as a non-profit, grassroots conservation organization.

We are citizens from all walks of life, whose common goal is to maintain the water quality, living resources, and scenic beauty of the Rappahannock River and its tributaries.

Mission:
To be the Voice and Active Force for a healthy and scenic Rappahannock River.
We achieve our mission through three program areas

• Advocacy
  • LID Ordinances, Choose Clean Water Coalition
• Education
  • Summer Camps, Field Trips, River’s Edge Program
• Restoration
  • River Cleanups, Student Stream Team, Rappahannock Restore Corps, Rainscape Retrofits*

Friends of the Rappahannock

Low Impact Development is…

A design approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible (Onsite)

This is achieved through designing a landscape to mimic the pre-existing site hydrology to the maximum extent practicable.

LID employs principles such as preserving and recreating natural landscape features, minimizing impervious surfaces to create functional site drainage that treat stormwater as a resource rather than a waste product.

Low Impact Development
Program Mission
Reduce the amount of unwanted contaminants (mostly nutrients and sediments) and excessive quantities of stormwater reaching the Rappahannock River and tributaries by assisting homeowners with managing runoff on site.

Work to implement a high volume of low-tech, low maintenance, residential scale best management practices to encourage infiltration.

Program Description
Resources sharing approach designed to share the cost of construction /implementation, provide technical assistance with project assessment and best management practice (bmp) design, and work alongside the homeowner to provide volunteer labor through the Rappahannock Restore Corps.
Best Management Practices (BMPs)

• All encompassing term used across disciplines

• EPA Definition: a Permit condition used in place of or in conjunction with effluent limitations to prevent or control the discharge of pollutants.

• BMPs may include a schedule of activities, prohibition of practices, maintenance procedure, or other management practice.

Structural BMPs

• Retention ponds, grass swales, rain gardens, soil amendments etc

Non-Structural BMPs

• Fertilizer practices, timed irrigation, management decisions etc
• Urban Nutrient Management Plan (Master Gardeners)
1. Downspout disconnection
2. Soil amendment
3. Soil aeration and decompaction
4. Rain barrels/cisterns
5. Rain gardens/bio-retention
6. Porous pavers/permeable concrete
7. Green roofs
Soil Amendment

Soil Aeration and Decompaction
Rain Barrels/Cisterns

Rain Gardens
Porous Pavers

How It Works

1. Interest Form- Hosted at www.riverfriends.org
2. Application- Sent to landowner to complete
3. Site Assessment- FOR representative conducts aerial delineation using GIS and visits site for photos and ground truth
4. Project Proposal- FOR staff develops site specific stormwater solutions and budget
5. Construction
How FOR Can Help You

• Cost sharing
• We will work with you throughout the whole process from Rainscape Retrofit design to construction
• We will bring in a team of volunteers to assist in the construction process

Target Areas:
• Warrenton, Culpeper, Lake of the Woods

25 Site Assessments
• Performed by FOR, volunteers, and Master Gardeners from Fauquier, Orange, and Culpeper Counties

Implementation of 10 Rain Gardens

Implementation of 15 BMPs
• Structural or non-structural

Homeowner Guide Development

March 2014- September 2015

Upper Basin Rainscapes
Questions

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Contact Information