

Potential Opportunities to use Fee-in-Lieu Funds

*Challenges and Strategies for Implementing Restoration Programs Using
Fee-in-Lieu and Other Funds*






November 20, 2019

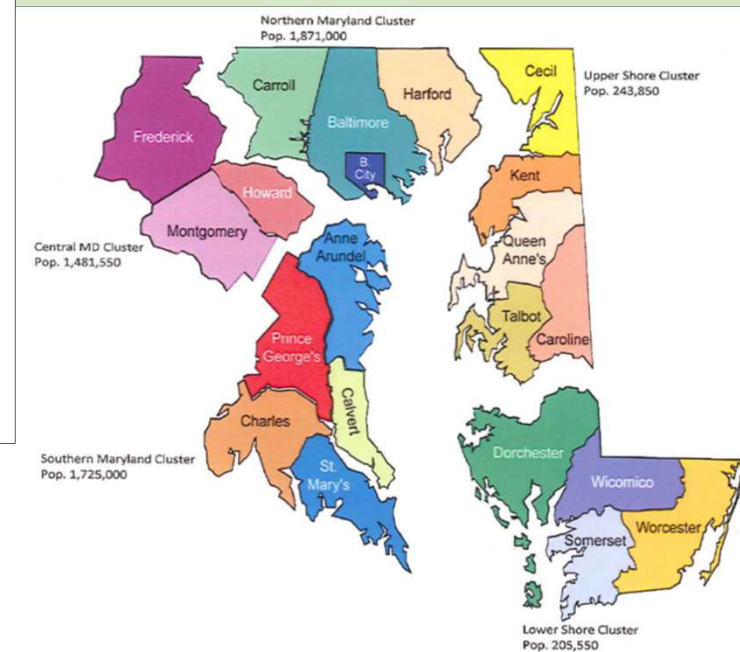
Eric Buehl
Regional Watershed Restoration Specialist
University of Maryland Sea Grant Extension Program



Watershed Protection & Restoration Program

- WPRP goal: build programs to assist local governments and non-profits in achieving measureable improvements in water quality.
- What we do:
 - Capacity building
 - Grants assistance
 - Project implementation
 - Education & outreach

	Northern Maryland <i>(Baltimore, Carroll, and Harford Counties and Baltimore City)</i> <u>Kelsey Brooks</u>
	Central Maryland <i>(Frederick, Howard, and Montgomery Counties)</i> <u>Amanda Rockler</u>
	Southern Maryland <i>(Anne Arundel, Calvert, Charles, Prince George's, and St. Mary's Counties)</i> <u>Jackie Takacs</u>
	Mid and Upper Eastern Shore <i>(Caroline, Cecil, Kent, Queen Anne's, and Talbot Counties)</i> <u>Eric Buehl</u>
	Lower Eastern Shore <i>(Dorchester, Somerset, Wicomico, and Worcester Counties)</i> <u>Jennifer Dindinger</u>



Role on the Mid & Upper Eastern Shore

- Grant and stormwater technical assistance
- Site assessment and project identification
- Connecting groups to various resources
- Includes:
 - *County and municipal government*
 - *Watershed groups and NGOs*
 - *Faith-based organizations*
 - *HOAs and individual landowners*



Role on the Mid & Upper Eastern Shore

- Major focus on Watershed Implementation Plan (WIP) related projects
- Work with several Phase 2 MS4 counties and communities
- Have assisted with some green infrastructure and resilience planning and projects
- Will be assisting with Nuisance Flooding plans in 2020



Work emphasizes water quality but recognizes co-benefits

- Example - Adkins Arboretum
- Primary benefit: Water quality
- Co-benefits: Pollinator and wildlife habitat, environmental education, site to share “scalable” BMPs with the local community.





Work emphasizes water quality but recognizes co-benefits

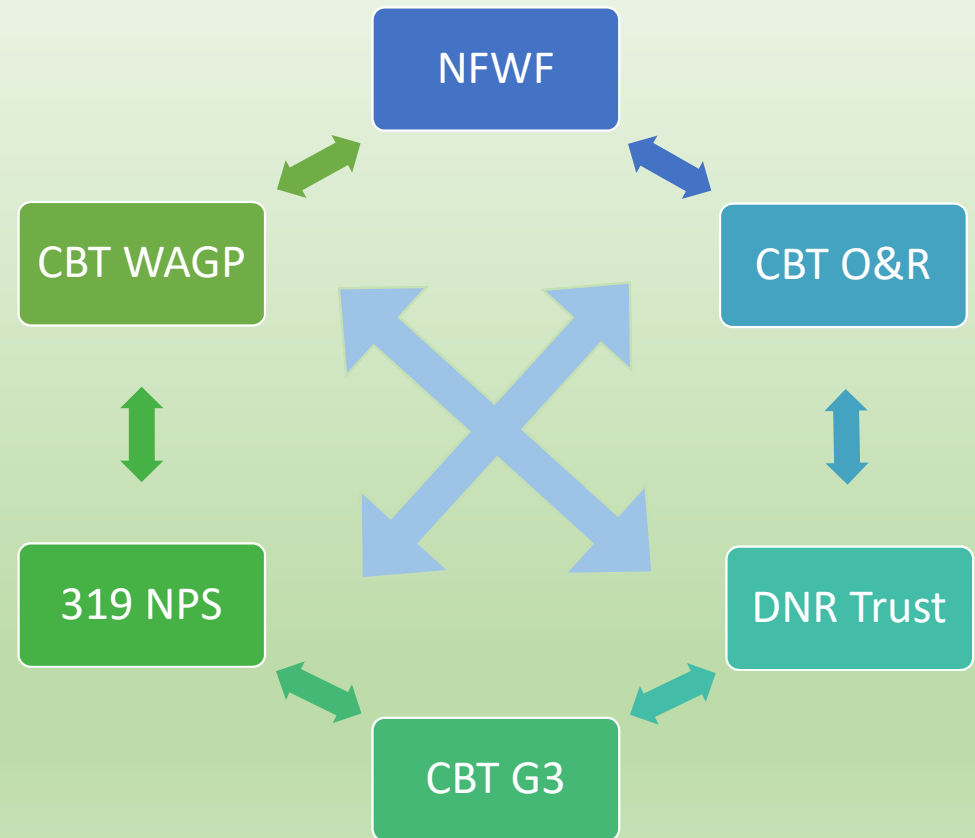
- Example - Greensboro Park
- Primary benefit: Water quality
- Co-benefits: Wildlife and pollinator habitat, community access, nuisance flooding, environmental education, site to share “scalable” BMPs with the local community.





Where funding for projects comes from . . .

- The need is great
- The interest is there
- Funding can be a hurdle



Is there an opportunity to improve water quality and increase habitat?



I THINK SO

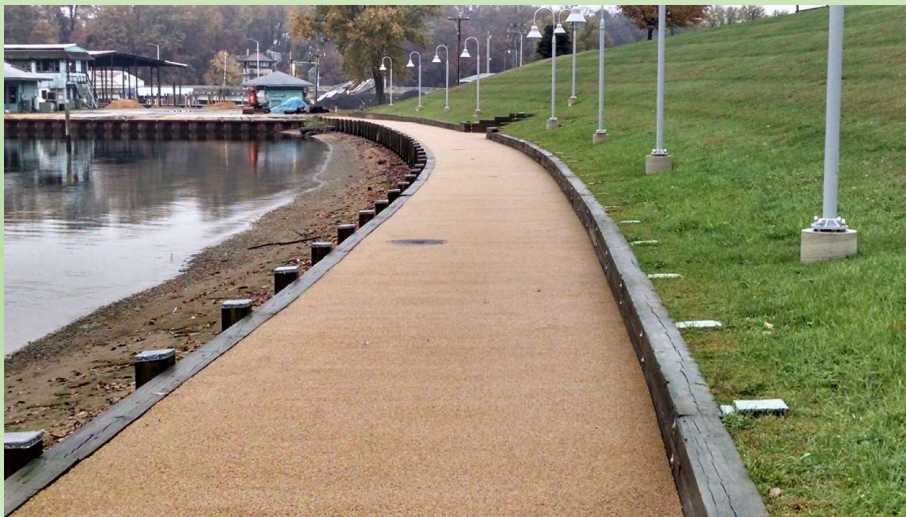
A need to control erosion



A need for living shorelines



A need to decrease runoff before it starts



A need to decrease runoff before it starts

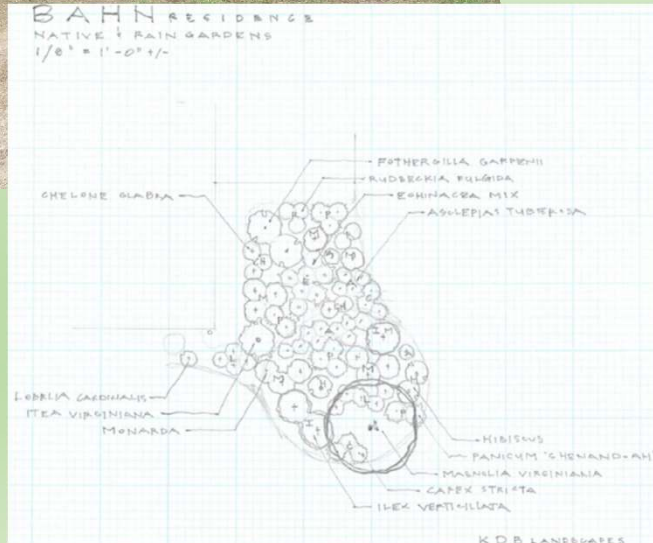


Image and drawing: KDB Landscapes



Image: W. Gray

A need to control invasive species



Image: S. Hilderbrand, MD DNR



A need for design and construction funding

CONSTRUCTION PLANS FOR WATER QUALITY IMPROVEMENT PRACTICES AT CHOPTANK RIVER PARK GREENSBORO, MARYLAND

CONSTRUCTION PLANS FOR WATER QUALITY IMPROVEMENT PRACTICES AT CHOPTANK RIVER PARK GREENSBORO, MARYLAND

City of Greensboro, Maryland
Department of Public Works
Public Works Administration
10000 Greenleaf Road
Greensboro, MD 21753
Phone: 301-271-1234
Fax: 301-271-1235

DEVELOPER'S CERTIFICATE
I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that I am the owner of the property described herein.

Project Name: Choptank River Park Water Quality Improvement
Site Address: 10000 Greenleaf Road, Greensboro, MD 21753
Date: 10/15/2010

City of Greensboro, Maryland
Department of Public Works
Public Works Administration
10000 Greenleaf Road
Greensboro, MD 21753
Phone: 301-271-1234
Fax: 301-271-1235

GENERAL NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND CONSTRUCTION CODE AND THE MARYLAND PUBLIC WORKS ADMINISTRATION (PW) SPECIFICATIONS.
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3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND CONSTRUCTION CODE AND THE MARYLAND PUBLIC WORKS ADMINISTRATION (PW) SPECIFICATIONS.

INDEX OF DRAWINGS
NO. DESCRIPTION
1. SITE PLAN
2. GRADING AND DRAINAGE
3. CONSTRUCTION DETAILS
4. UTILITIES
5. EROSION CONTROL
6. PLANTING

STATEMENT OF PURPOSE & INTENT
The purpose of these construction plans is to provide for the installation of water quality improvement practices at Choptank River Park, Greensboro, Maryland. The practices are intended to reduce sediment and nutrient runoff into the Choptank River, thereby improving water quality and protecting the park's natural resources.

OWNER/DEVELOPER
Town of Greensboro
10000 Greenleaf Road
Greensboro, MD 21753
Phone: 301-271-1234
Fax: 301-271-1235

CONTRACTOR
Unity Landscape Design/Build
10000 Greenleaf Road
Greensboro, MD 21753
Phone: 301-271-1234
Fax: 301-271-1235

ENGINEER
Dumb Home, LLC
10000 Greenleaf Road
Greensboro, MD 21753
Phone: 301-271-1234
Fax: 301-271-1235

TITLE SHEET AND NOTES
SHEET 1 of 9
DATE: 10/15/2010



Image: Unity Design/Build

Would Fee-in-Lieu work here?

- Support projects that address
 - *Erosion control*
 - *Living shorelines*
 - *Runoff reduction (permeable/pervious)*
 - *Runoff reduction (micro-bioretenion)*
 - *Control invasive species (and replant)*
 - *Matching funds for project design and/or construction*
 - *Stormwater retrofits*



Image: S. Hilderbrand, MD DNR

Considerations

- Some grantors have limitations or restrictions about the use of their funds for anything related to required mitigation.
 - *Would that apply here?*
- Not all County or Municipal government has the capacity to take on new tasks.
 - *Does the governing body have an interest in or the ability to track smaller-scale projects to help meet WIP or MS4 goals?*



Image: Chesapeake Bay Program

QUESTIONS?

Eric Helm Buehl, Regional Watershed Restoration Specialist

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