

Reducing Nutrients on Private Property: Evaluation of Programs, Practices, and Incentives

TMDL Options – BMPs on Private Property

2012 Coastal Partners Workshop

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Wetlands Watch

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JUNE 2012



PEP 12-05

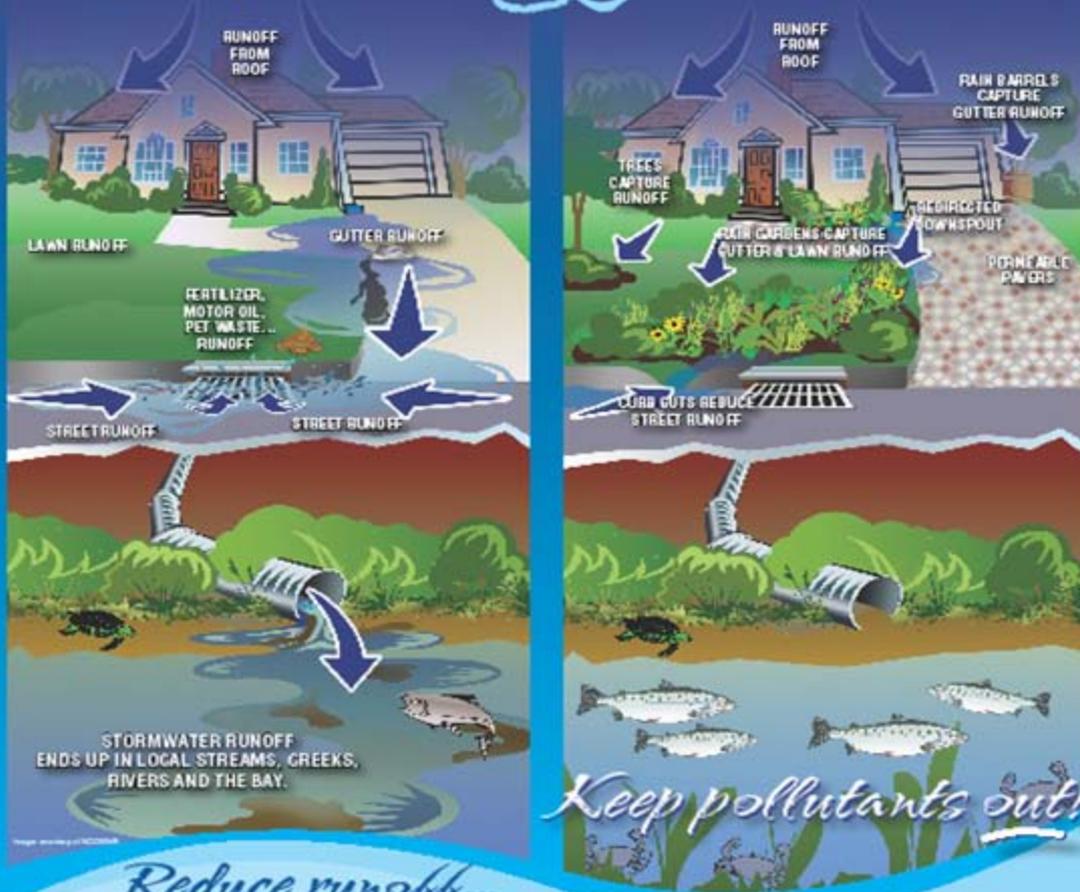
County/City Model

- Anne Arundel Co., MD
Watershed Stewards Academy
- Montgomery Co., MD
Rainscapes
- Washington DC
RiverSmart

County/City Model

- Arlington Co. , VA - ACE partnership
Stormwater Wise Landscapes
- James City Co. , VA - JCC PRIDE
Be Water Smart, Turf Love, Garden Love
- Virginia Beach –Lynnhaven River NOW
partnership
Green Ribbon Committee
Water Quality Task Force

Before & After



Focus of Stormwater Managers

Onsite LID & Green Streets Retrofits

Reduce runoff...

SLOW IT DOWN



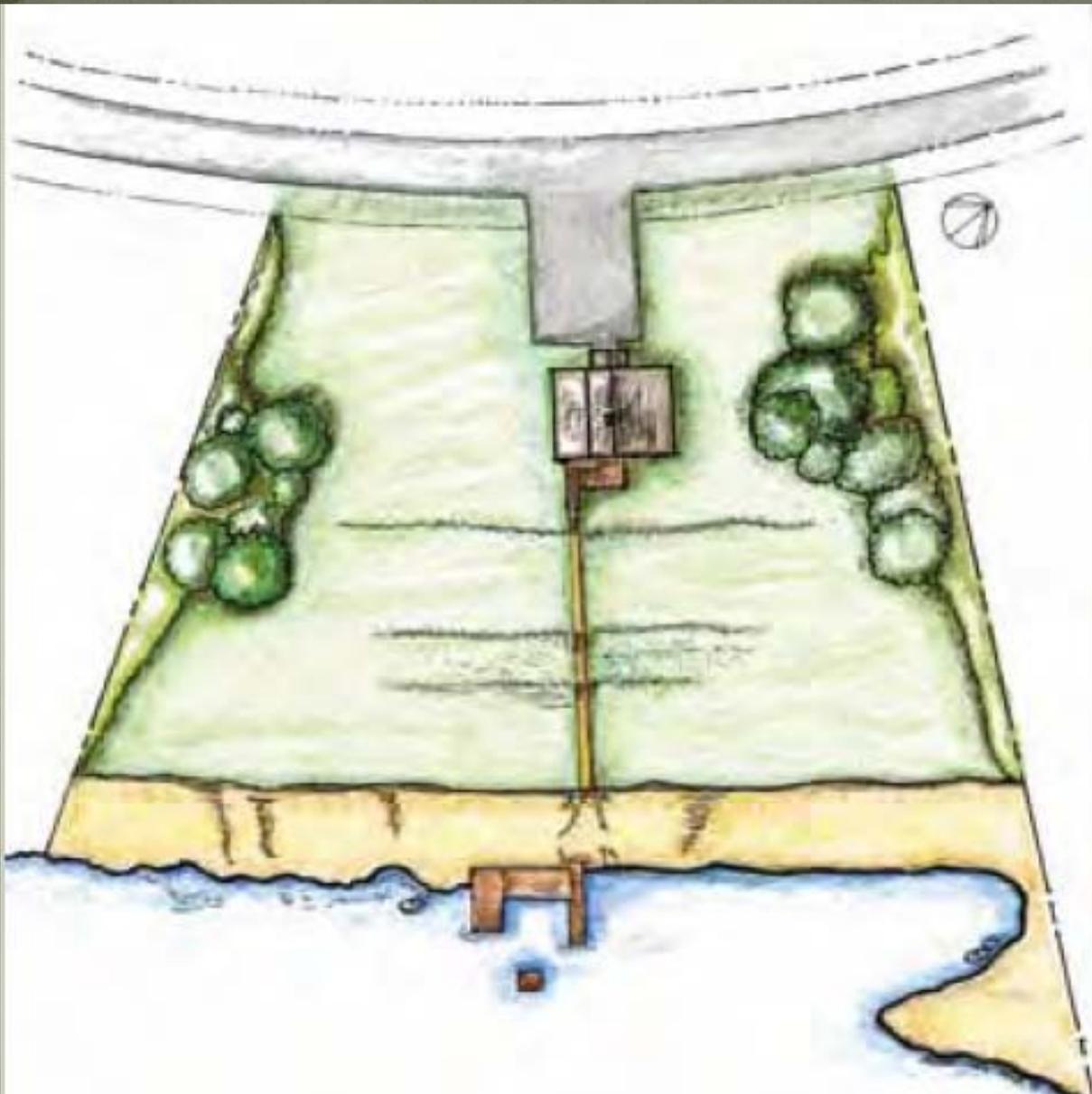
SPREAD IT OUT



SOAK IT IN!!!



RainScaping.org
Beautiful Solutions to Water Pollution!



Need to
Look at
Whole
Property –
translate to
English

Landscaping at the Water's Edge, an Ecological Approach
University of New Hampshire Cooperative Extension, 2007

APPROPRIATE PRACTICES – Many Benefits



Reforestation
Land-use Change
Urban Nutrient Management

Increase Habitat
Water Supply
Reduce Water Use
Energy Efficiency
Blue - Green Infrastructure

CONSERVATION LANDSCAPING TECHNIQUES ARE BMPs



Reedy Creek Coalition



Elizabeth River Project



Anne Arundel Co. WSA

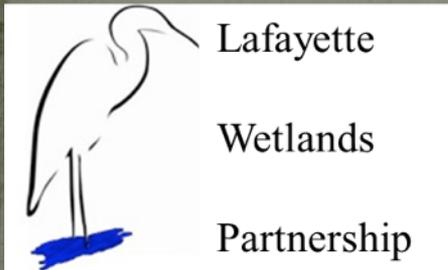
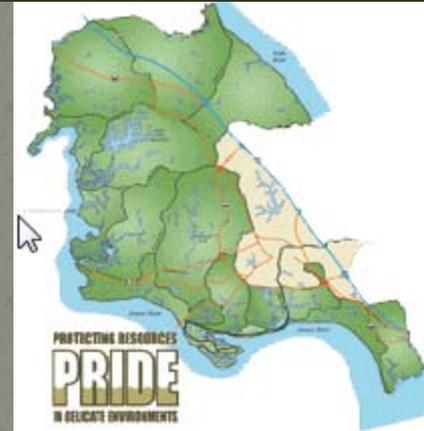
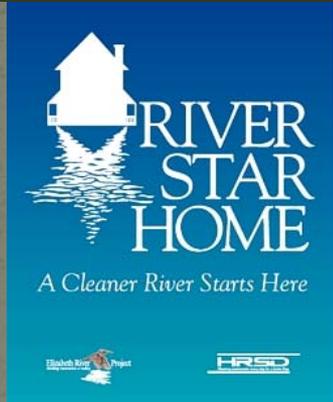
CONSERVATION LANDSCAPING TECHNIQUES ARE BMPs



Lynnhaven River NOW

Groups Promoting Conservation Landscaping (BMPs)

NFWF Funded
Hampton Roads - \$2.5 million
Virginia - \$20 million (2006-present)



Trained Stewards and Landscape Businesses can Promote...Engage...Design...Install...Maintain Conservation Landscaping *Trusted Free Labor...Free Marketing...Trusted Advisors*



*Livable
Neighborhood
Water Stewardship
Program*



**DCR Certified
Urban Nutrient Managers**

RIVERKEEPERS

**Reedy Creek
Coalition**

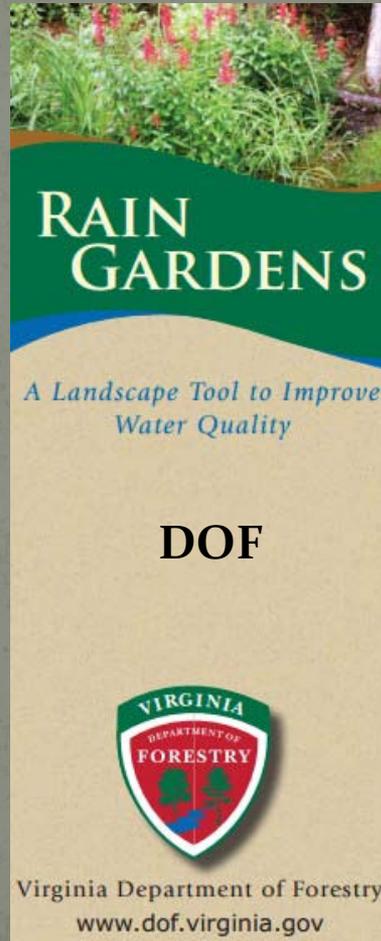


**VoiCeS
Oyster Gardeners**



State Programs Promote Conservation Landscaping

DGIF



PLANT
MORE
PLANTS

DCR

DEQ - CZM

Plant
ES Natives
They're Shore Beautiful!



DOF

Virginia ^{VDACS}
Cooperative
Extension

Professional Training for Conservation Landscaping

James City County

2004
Water Smart
Landscape Series

You, too,
can be a Water
Smart gardener.
Let our experts
show you
how during
the free 2004
Water Smart
Landscape Series to be held at



THE SUSTAINABLE SITES INITIATIVE™



DC | MD | VA Chapter
ASSOCIATION OF PROFESSIONAL LANDSCAPE DESIGNERS

Serving the District of Columbia, Maryland and Virginia

Arlington, Fairfax, Alexandria

*Sustainable
Landscaping
Workshop Series*

**A series of classes
to help landscaping
professionals
learn marketable,
environmentally
friendly practices**

**Watershed-Friendly
Landscape Workshop**

March 4 & 5, 2009

Advanced Technology Center

1800 College Crescent Virginia Beach, VA 23453

**Local Plans & Solutions with
Long-term Funding**

**Site-Specific,
Accepted,
Verified,
Tracked BMPS**

**Coordinated
Efforts**

**UNIFIED
STRATEGY
THAT
WORKS!**

**Marketing &
Incentives**

**Private Sector
Aware & Ready**

**Consistent
Training**

**Trusted Technical
Advisors - Consortium**

IMPORTANT PROCESS! BARRIERS & KEY STAKEHOLDERS

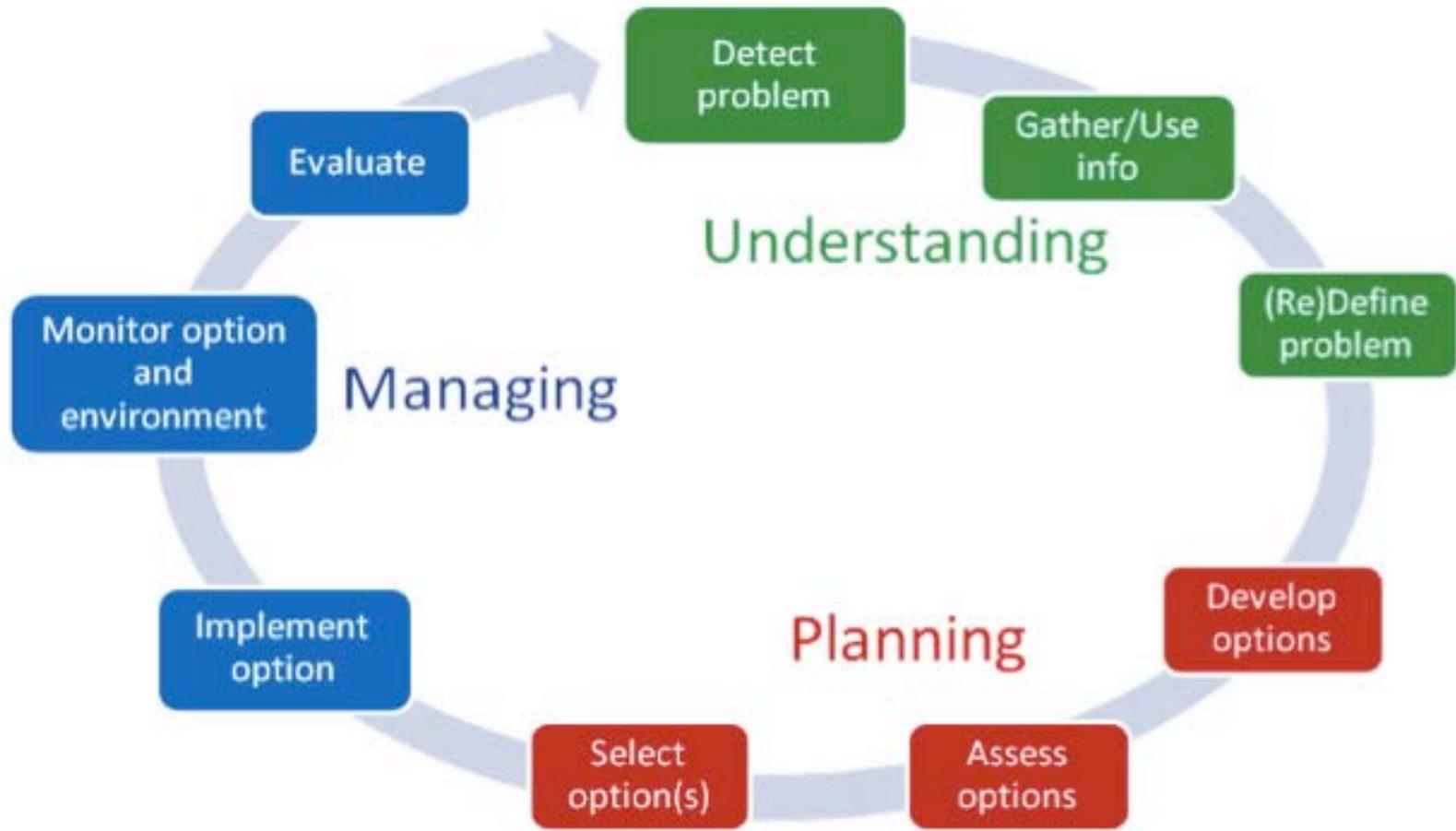


Figure from *Barriers to Climate Change Adaptation: A Diagnostic Framework* by Moser, Eckert, & Torn, 2011

YOU ARE INVITED!

A Collaborative Summit

Protecting Water Quality through Actions on Urban-Suburban Properties

Save the Date!

February 13 and 14, 2013

Invitation-only



Professional Development Center William & Mary School of Education
Williamsburg, Virginia

Space is Limited!

However, we welcome your suggestions for other invitees via email

SAVE THE DATE!

PARTNERS:

- Wetlands Watch
- Alliance for the Chesapeake Bay
- VIMS Center for Coastal Resources Management
- UVA Institute for Environmental Negotiation

FUNDING FROM:

- NFWF – RiverWise Grant
- Campbell Foundation for the Environment
- US EPA

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Feb. 13-14

**Still Need
Sponsors?**

Want to Come?

Talk to me

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- VIMS Center for Coastal Resources

FROM:

erWise Grant
Foundation for the
nt

Rain Garden Block Parties



COMMENTS OR QUESTIONS?



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