



Steward Candidate John Kagiri



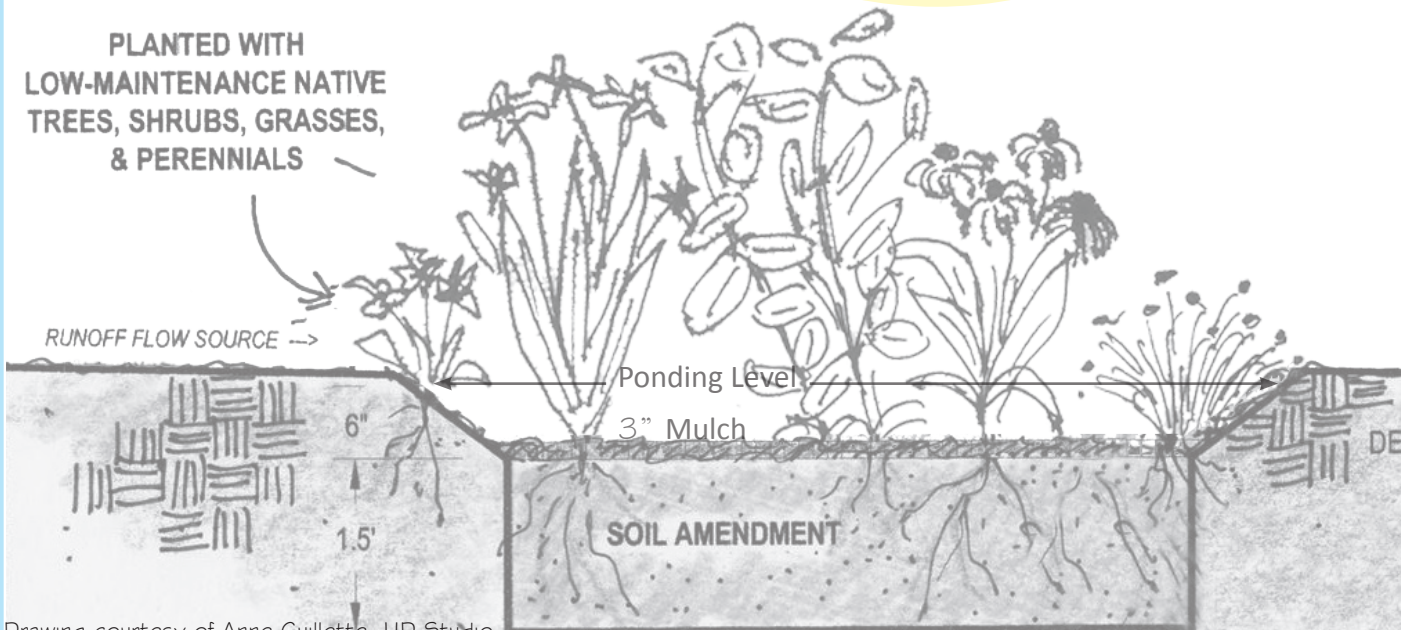
performs maintenance on a rain garden at St. Martin's church

Anne Arundel County

WATERSHED STEWARDS ACADEMY

Annual Report
2013

PLANTED WITH
LOW-MAINTENANCE NATIVE
TREES, SHRUBS, GRASSES,
& PERENNIALS



A GROWING NETWORK

Watershed Stewards Academy is in the forefront of change. Through our growing network of trained Stewards, we are engaging citizens and commercial property owners across Anne Arundel County to know more and do more with the stormwater that falls on their property. The result is measurable improvement in the health of our local creeks and rivers.

WSA is a laboratory of innovation, with a curriculum that is steeped in the latest science, as well as the most effective techniques of public outreach. Through a unique public-private partnership, we are leveraging a small public sector investment with significant private resources and volunteer action to help bring about a cleaner, healthier Chesapeake Bay.

This report outlines our accomplishments in 2013. In the year ahead, we anticipate strong growth and greater reach for this program. Thanks for helping make it such a success.

Steve Raabe, Board Chair



MISSION

WSA's mission is to identify, train and support community leaders, called Watershed Stewards, to reduce the negative impacts of stormwater runoff in Anne Arundel County. Watershed Stewards empower communities to reduce pollutants, infiltrate stormwater and restore natural systems.

GOALS

ENGAGE, inform and empower communities to preserve and protect the watershed

CERTIFY an active Steward in every neighborhood

SUPPORT certified Stewards as they:

IMPLEMENT successful projects

EDUCATE their neighbors

SHIFT cultural norms within their communities

CONNECT professional, government and community resources to accomplish watershed restoration

The Watershed Stewards Academy is generating a ripple effect moving through our watersheds

2013 SUCCESSES

CERTIFIED 18 Watershed Stewards, bringing our Steward roster to 103

ENROLLED 28 new Steward Candidates

Stewards gave over 4,000 **VOLUNTEER** hours to reduce pollutants in their communities

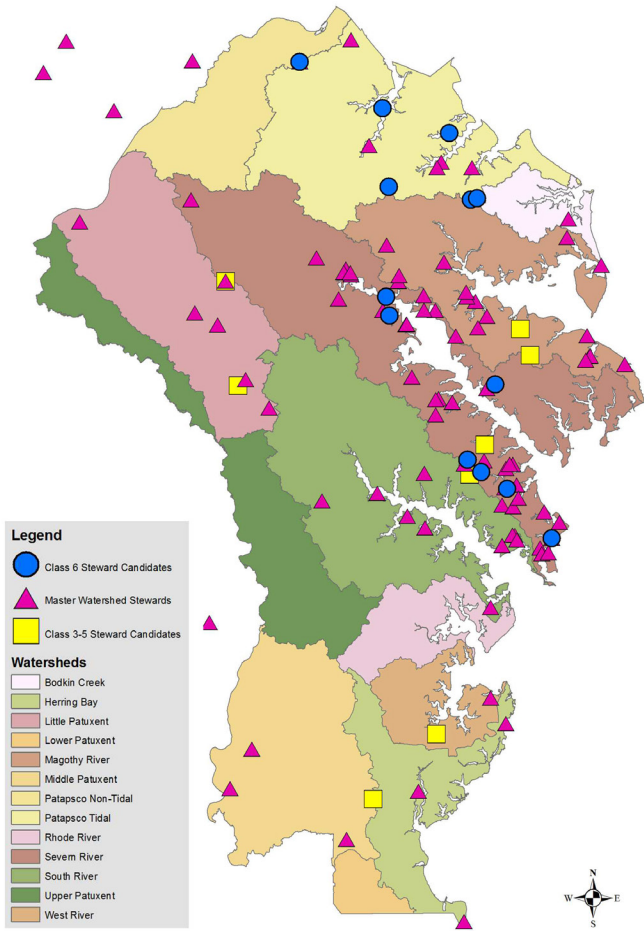
PLANTED over 8,200 native plants and trees

CREATED over 362,000 square feet of rainscaping and forested buffers

INSTALLED 86 rain barrels

ENGAGED over 8,800 people in Anne Arundel County through 130 presentations and rainscaping events

A STEWARD IN EVERY NEIGHBORHOOD



water·shed

an area of land from which all rainwater flows toward a single stream or river.

storm·water

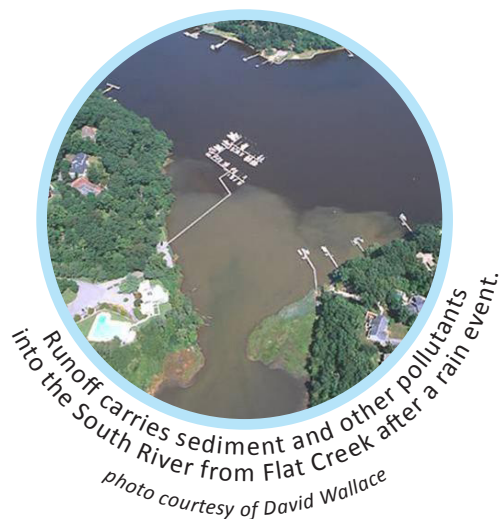
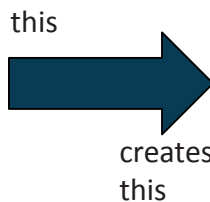
all rainwater that falls on land and does not absorb into the ground or evaporate.

Stormwater picks up pollutants on land, including sediment, lawn fertilizers, pesticides, pet waste, heavy metals, gas, oil and sediment, and carries them to the nearest stream or river. The excess sediment, pollutants and nutrients brought into our waterways cause dead zones – areas where oxygen is too low for life to survive.

Anne Arundel County is a unique Chesapeake watershed county, with 12 river systems, 354 streams and 540 miles of tidal shoreline. The health of all of these waterways is threatened to the point that they are no longer safe to swim or fish in after a rain event.

EVERY DOWNSPOUT THAT FLOWS TO A HARD SURFACE ADDS TO OUR STORMWATER AND POLLUTION PROBLEMS.

EVERY DOWNSPOUT REDIRECTED TO LAWN OR LANDSCAPE BY A STEWARD IS PART OF THE SOLUTION.



LABORATORY OF INNOVATION

WSA IS UNIQUE

Since 2009, the Watershed Stewards Academy has been training citizen leaders to take action in their local communities to improve the health of their waterways. The Academy is unique in its train-the-trainer curriculum, and uses the energy of citizen volunteers to reach private property owners who want to make changes on their properties. Our existing partnerships with businesses, citizens, other watershed groups, Anne Arundel County Public Schools and Anne Arundel County government make us a strong leader to impact behavior changes in our local watersheds. The Academy is poised to continue cultivating leaders in every community in Anne Arundel County to restore our watersheds, one landscape at a time.



Steward Rhonda Harrison worked with the beautification club at High Point Elementary to stencil storm drains and keep them free of debris.



Anne Arundel Community College teams up with Steward Candidate Aurore Larson, Watershed Steward Jennifer Carr and the South River Federation to rehab a rain garden at the Maryland Department of Health.



Carol Schenker receives her Master Watershed Steward Certification

OUR CURRICULUM

The robust curriculum developed for Steward candidates provides an overview of the tools and techniques that citizens need to transform thinking of whole communities. Stewards work in their communities to train peers about how to make a difference on their own properties. The exponential impact of this train-the-trainer model is the epicenter of a ripple effect moving through our watersheds.

OUR PARTNERSHIPS

The Academy fosters strong partnerships to leverage private and public dollars to support communities in greening their own properties and achieving a reduction in their stormwater impacts. Our partnerships include other watershed organizations, a consortium of over 80 environmental professionals, Anne Arundel County Public Schools and the county Department of Public Works.

WSA PROVIDES LEADERSHIP AND TRAINING

Clean Water Communities

Our neighborhood certification program is currently piloting in the community of Hillsmere, engaging homeowners in an intensive effort to reduce pollution and stormwater runoff in their neighborhood.

Your leaves in the water aren't natural.

Each year, many tons of leaves from our neighborhoods are blown or washed into local streams. They clog storm drains and release harmful nitrogen into the water. You can help reduce pollution in Spa Creek by raking and bagging, mulching or composting all of the leaves that fall on hard surfaces on and around your property.



I _____ commit to removing leaves from the hard surfaces on and around my property

Backyard Buffers

WSA serves as the distributor for this Department of Natural Resources program, and successfully engaged Anne Arundel County citizens to plant 2,400 tree seedlings in their own neighborhoods in late March. We are excited to offer this program again in 2014!

Leaves are a Pain in the Drain

Five Master Watershed Stewards and four Steward Candidates pioneered the use of Community Based Social Marketing to engage communities in the practice of keeping leaves, trash and debris off of impervious surfaces, and out of storm drains. Stewards collected 117 pledges in a door-to-door effort in the Annapolis Ward One neighborhood. Efforts are ongoing in the Ben Oaks and Olde Severna Park neighborhoods.

STEWARDS TAKE ACTION!!

SHORELINE BUFFER PLANTING Rusty Gowland led his Linstead-on-the-Severn community in a 6,000 square-foot buffer and reforestation project. Rusty secured \$4,700 in community and grant funds, recruited over 30 volunteers who dedicated a combined 324 hours and planted 1,300 plants. This kind of buy-in from the community is critical to the long-term success of the project.

FORMING NEW NETWORKS In a part of the county that historically lacked watershed groups, North County Stewards formed the non-profit watershed action group Anne Arundel Patapsco River Alliance (AAPRA). They have garnered considerable press for their "Flash Trash" cleanup events.

ENGAGING INSTITUTIONS Watershed Stewards engaged a number of institutions throughout the county through outreach, education and hands-on projects, including: 2 county elementary schools, 3 county middle schools, 3 county high schools, Anne Arundel Community College, Chesapeake Montessori School, Trinity United Methodist Church, Captain Avery Museum, Carrie Weedon Science Center, St. Martin's Lutheran Church, Key School, Woods Memorial Presbyterian Church, Maryland Department of Agriculture and the Maryland Department of Health.

Severna Park Middle students plant a stormdrain garden under the guidance of Master Watershed Steward John Dawson



THANKS TO OUR DONORS

WSA GREATLY APPRECIATES THE INDIVIDUALS, BUSINESSES AND FOUNDATIONS WHO GAVE THE GIFT OF CLEAN WATER IN 2013!

WHITE OAK DONORS

\$1000+

Community Foundation of Anne Arundel County
Bill Daniel
Michael and Tricia Davis
Suzanne Etgen
Rusty Gowland
Kevin Green
James Mac Nicholl
M&T Charitable Foundation
John Murray
Juliet Page
Patagonia
Kincey and Bruce Potter
J.Paul Rickett
Lesley Riddle & Nancy Tait
John and Patty Rouse Foundation

\$4,000
Certifies a
Master Watershed
Steward

\$500
Installs 10
Rain Barrels

SERVICEBERRY DONORS

\$101 - \$499

Donald and Alpine Bird
Ciminelli's Landscape Services, Inc.
Amy Clements
Crofton Greenery Garden Club
Joyce Donlon
Sherry Fonseca
Beth Foster
Kate Fritz
Kit Gage
Ann Garvey
Andy Hemmendinger
Suzanne D. Hillman
Doug and Marguerite Hollmann
Hyatt & Weber, P.A.
Ann Jackson
Missy Jones
Phil Jones
Brad Knopf
Richard Lahn
Jean Larson
Harry Letaw
Erik Michelsen
New Moon Nursery
Olde Severna Park Improvement Association
Quayle & Company Design/Build, Inc.
Lynne Rockenbauch
Joseph Segreti
Dennis Skaggs
South River Federation
Sandy and Sean Sweeney
Eloise Ullman
Michael Wagener
Jacob Weaver
Mel Wilkins

\$250
Plants 10 trees

ATLANTIC WHITE CEDAR DONORS

\$500 - \$999

Ronald E. Bowen, P.E.
Chuck Ferrar
Homestead Gardens
Roy F Kilby
Maryland Environmental Trust
Steven Raabe
Severn Savings Bank

BLACK-EYED SUSAN DONORS

UP TO \$100

Emily Becker
Barbara Beigel-Vosbury
Melvin Bender
Michael Bergeson
Kara Bowne Crissey
Harry Caldwell
Jennifer Carr
Maureen Cavaiola
Janet Clauson
Diane Cook
Nancy Curran
Designscapes
Thomas, Jason and Stephanie Fish
Nina Fisher
Patrick Fleearty
Ann Fligsten
James Foster
Brian Fox
Mike Fritz
Sabrina S Fu
Stephanie Goldenberg
Emily Gillespie Clement
Marie Habing and Lou Gonzalez
Kathy Gramp
Anne Guillette
Jennifer Gundersen
Rhonda Harrison
Heather Hatfield
M.C. Hatley
Janet Hoffberger
Dr. Sally Hornor
Angelina Howard
Alan Hyatt
Jan Jansson
John Kagiri
Rick Kissel
Jerry Kline
Debra Lambert
Susan Lamont
Aurore M Larson
Eric Lind
Kathleen Litchfield
Catherine LoGiudice
Jo Ann Lovell
John and Beverly Lynch

\$1,000
Converts 300
square feet of lawn
to a conservation
landscape

\$2,000
Sponsors a
Raingarden

\$600
Supports a
Certified Master
Watershed Steward
for 1 year

Lauren Maddox
Laura McIntyre
Kathleen Mooneyhan
Chris Moore
Ronald David Morgan
Lara Mulvaney
Claire D Murray
Margaret E Murray
Pat Neidhardt
Lisa and Brian Palechek
Melanie Parker
Midgett S. Parker
Bonnie Persinger
Nicholas Peterson
Mary Pfau
Dana Puzey
James E. Reid, Jr.
Matthew Rhoderick
Carolyn Ricketts
Ridges to Reefs
Jamie Roell
Anthony Roman
Joyce Rosencranz
Deborah Schwab
Sarah Scott
Jodie Shivery
Smith Living Trust
Mary Beth Soverns Thumel
Eric Swanson
Nora W Terres
Elvia Thompson
Albert H. Todd
Mary Uyeda
Jennifer Klug Vaccaro
Christina Vieglais
Bernard Voith
Sharon Wallenstrom
Deborah L Werre
Sam Wynkoop
Keri Weaver
Duane and Stevie Wilding
Holly Ann Willis
Ginger Woolridge
Kenneth Zepp

VISIONARY LEADERSHIP



Stephen Barry: Retired Coordinator of Outdoor and Environmental Education for AACPS

The WSA community paid tribute to founding fathers Stephen Barry and Ron Bowen at our 2013 Annual Conference: Spring into ACTION. Ron was presented with the Chesapeake Bay Trust's Ellen Wagner Fraites Award. Stewards and Consortium members made over 100 specific pledges of pollution-reducing actions they will take in honor of Steve's retirement.



Ron Bowen: Retired Director of AACo. Public Works

Thanks to the efforts of two of our founding leaders, WSA was developed 5 years ago on a solid foundation that will continue to support successes into the future.

The Board of Directors began a strategic planning process in the summer of 2013 to refine the mission, vision and programmatic direction of the Academy for the next five years.

This strategic plan will guide WSA forward as we work to achieve our mission. It will set the course for the future of the organization, and create action-oriented objectives to align and coordinate the Academy's mission and our stakeholders.

From stormwater design and land-use planning, to public opinion research and engineering, the WSA Board members bring a diverse set of skills to lead the organization. The Board is united in their passion to support the mission of WSA; each member contributes in a unique and significant way.

The Board roles include strategic planning, partnership building and fund-raising. In 2013 board members led several Stormwater Tours designed to raise awareness of WSA and educate citizens of Anne Arundel County about the stormwater issues facing our county and successful solutions to those issues.

2013 BOARD OF DIRECTORS

- | | |
|---------------------|------------|
| Steve Raabe, | Chairman |
| Kate Fritz, | Vice Chair |
| J. Paul Rickett, | Treasurer |
| Juliet Page, | Secretary |
| Bill Daniel | |
| Ann Garvey | |
| Kathleen Litchfield | |
| Kincey Potter | |
| Michael Wagener | |



FISCAL YEAR 2013 FUNDING

Grant Funding	\$200,606
Private Funding	\$ 58,686
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Total Revenues	\$259,292

COMMUNITY MATCH IN 2013

Steward and Volunteer Hours	\$191,468
In Kind Services	\$ 54,733
Community Cash Match	\$ 66,947
Steward Solicited Grants	\$148,445
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Total Value of Community Match	\$461,593

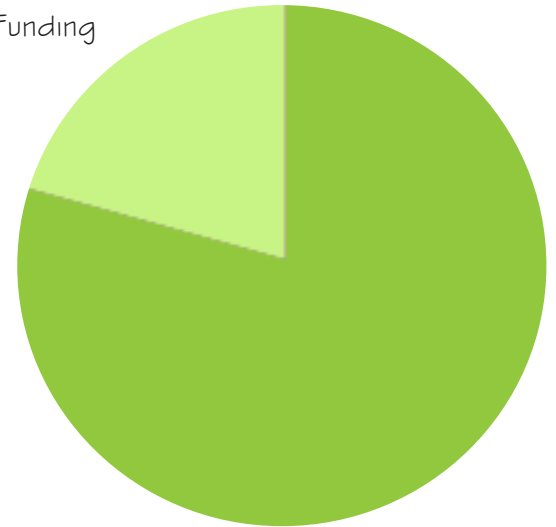
In 2013 under the leadership of Watershed Stewards, communities invested 4,500 hours, \$54,733 worth of goods and services and \$66,947 in cash into watershed restoration in their neighborhoods. Watershed Stewards recruited an additional \$148,445 in grant funding for their communities.

FISCAL YEAR 2013 EXPENSES

Training & Support of Stewards	\$ 88,094
Restoration	\$ 29,720
Outreach	\$ 45,552
Organizational Development	\$ 51,711
Partnership & Network Building	\$ 44,212
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Total Expenses	\$259,292

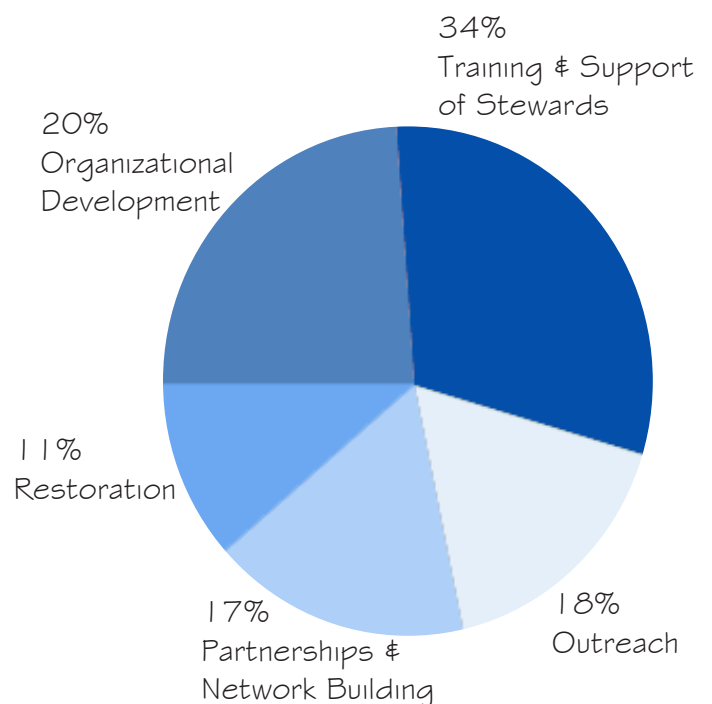
2013 FUNDING

23%
Private
Funding



77%
Grant Funding

2013 EXPENSES



PUBLIC-PRIVATE PARTNERSHIP



WSA was created out of a partnership between Arlington Echo Outdoor Education Center and the Anne Arundel County Department of Public Works (DPW) to build capacity within each neighborhood to reduce pollutants entering our waterways via stormwater. Anne Arundel County DPW continues to provide critical support in connecting Stewards and communities with watershed studies, planning and restoration efforts. A special thank you to Arlington Echo Outdoor Education Center, which hosts our office space, certification course, continuing education courses and our Annual Conference. WSA benefits from the education and curriculum expertise of Anne Arundel County Public Schools.

MAJOR FUNDING SUPPORT FROM



WSA STAFF



CONSORTIUM OF SUPPORT PROFESSIONALS

AA County Bureau of Highways
AA County Department of Inspections and Permits
AA County Department of Public Works
AA County Extension Office
AA County Forestry Board
AA County Recreation and Parks
AA County Soil Conservation District
AA County Watershed Protection & Restoration Program
Advocates For Herring Bay
Alliance for Sustainable Communities
Alliance for the Chesapeake Bay
Anne Arundel Waterway Restoration Alliance
Architectural Gardens
Baywise Master Gardeners
Biohabitats
Brightwater Inc.
Center for Watershed Protection
Chesapeake Bay Foundation
Chesapeake Bay Program
Chesapeake Bay String of Pearls Project
Chesapeake Bay Trust
Chesapeake Ecology Center
Chesapeake Stormwater Network
Ciminelli's Landscape Services
City of Annapolis
City of Hyattsville
Critical Area Commission-DNR
Cultivate Landscape Planning
Deborah Schwab Landscape Architecture
Doody Calls
Eco Gardens, LLC
Ecoasis
Eco-Goats
Ecologically Sound Landscapes
Forestry for the Bay
Good Earth Gardeners
Greenhorne & O'Mara, Inc.
Greenman Pedersen, Inc.
Hustead Landscape Architecture
Low Impact Design Studio
Magothy River Association
Magothy River Land Trust
Maryland Department of Natural Resources
Maryland Department of the Environment
Maryland Environmental Trust
Maryland Park Service

McHale Landscape Design
Patuxent RiverKeeper
Planet Greenspot
Rainscaping.org
River Network
Scenic River Land Trust
Severn Grove Ecological Design LLC
Severn River Association
Severn River Commission
Severn RiverKeeper
Smithsonian Environmental Research Center
South River Federation
Southern MD Resource Conservation and Dev. Board
Spa Creek Conservancy
SusDev Tech
Sustainable Resource Management
The Hatcher Group
Underwood & Associates
Unity Gardens
Univ. of MD Environmental Finance Center
Univ. of MD Extension, Agriculture & Natural Resources
Univ. of MD Sea Grant Extension Program
Univ. of MD Plant Science and Landscape Architecture
US Fish and Wildlife Service
Volunteer Center of Anne Arundel County, Inc.
Water Savers LLC
West/Rhode Riverkeeper
...and growing!



JOIN US



MANY OF OUR STEWARDS BECAME INVOLVED WITH WSA BECAUSE IT WAS AN OPPORTUNITY TO DO SOMETHING REAL. YOU CAN DO SOMETHING REAL TOO!

WORK WITH A MASTER WATERSHED STEWARD IN YOUR NEIGHBORHOOD
 Volunteer to help build a project or make a donation of materials or services.
 Visit www.aawsa.org for Stewards' names and locations.



TAKE ACTION ON YOUR PROPERTY
 Would you like to capture stormwater on your property? Contact your Steward for a residential site assessment to learn how you can reduce your stormwater runoff.
 Visit www.aawsa.org for Stewards' names and locations.

BECOME A WATERSHED STEWARD
 Classes will prepare you to become a positive force in your neighborhood.
 For more information visit www.aawsa.org or contact Suzanne Etgen: setgen@aacps.org



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