



2021 ANNUAL REPORT

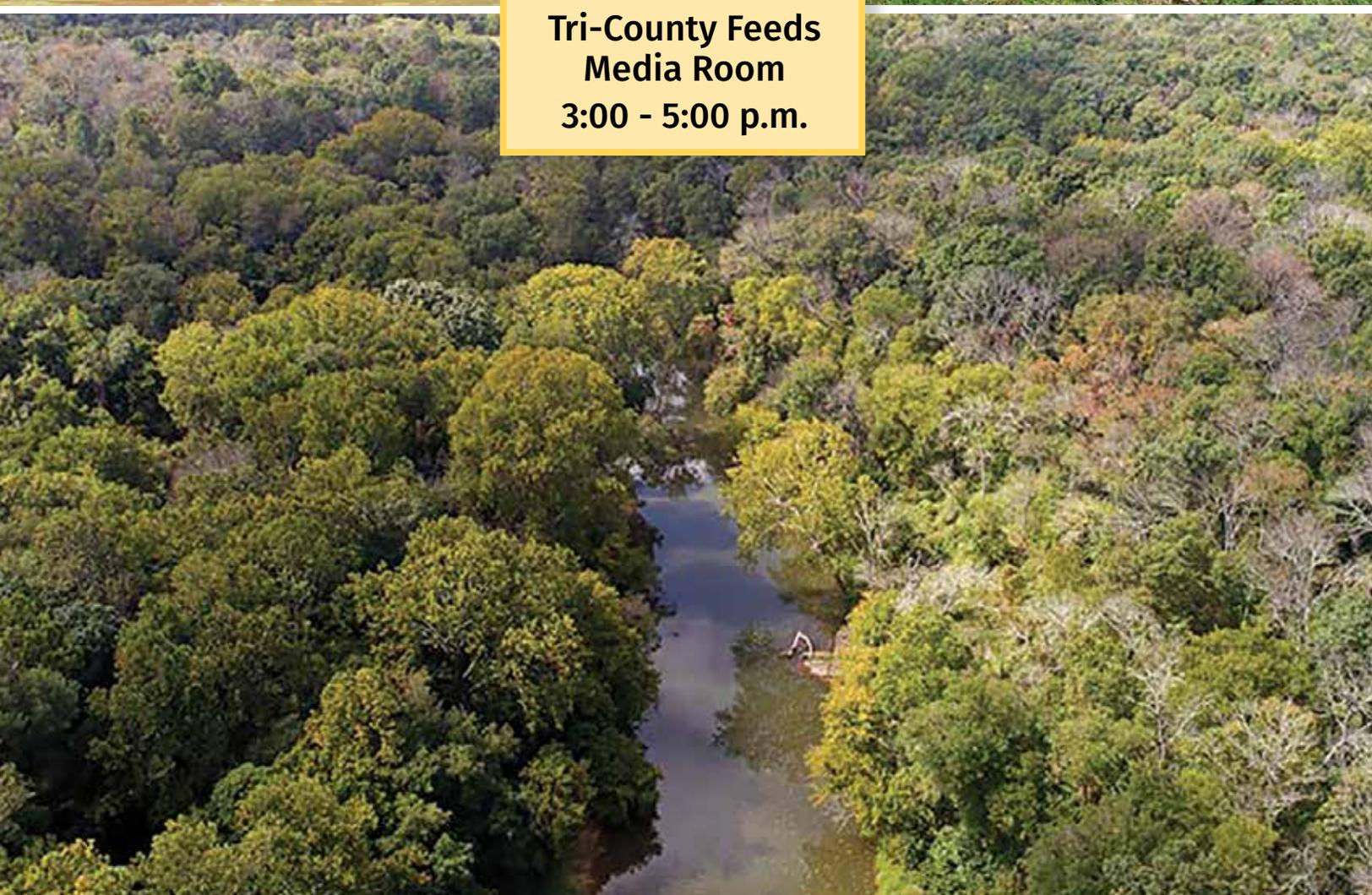
Dedicated to protecting and preserving the environment and quality of life in the Goose Creek Watershed in Fauquier and Loudoun Counties, Virginia



Save the Date!

**Annual Meeting
June 15, 2022**

**Tri-County Feeds
Media Room
3:00 - 5:00 p.m.**



A MESSAGE FROM THE CHAIRS

Dear Members and Friends,

The past couple of years have made us more grateful than ever to live in this beautiful part of Virginia. We've been fortunate to be able to enjoy the outdoors from the comfort of our homes in the Goose Creek watershed. During this time, Goose Creek Association (GCA) has been able not only to maintain its programming, but also to expand its activities to preserve and protect our countryside.

2021 was a banner year for GCA: we won the Virginia Environmental Film Festival Grand Prize for our documentary, *Goose Creek*, that profiles the history, culture and threats to our area. We then had our own virtual environmental film festival with a raffle, while producing a new report card on the Goose Creek last spring that demonstrated the ongoing impaired quality of the Goose Creek, due primarily to e-coli and sediment from cattle in the water and excess fertilizer run-off from farming and development.

To address these issues, we continued Goose Creek Challenge riparian buffer program by planting 7,328 feet of riparian buffers with 1530 plants on four farms with 69 volunteers. In addition, we partnered with both the Piedmont Environmental Council and Friends of the Rappahannock to plant an additional 5,600 trees in the Goose Creek watershed. We also gave away 1500+ trees provided by We Plant Trees.

We held our 50+ celebratory anniversary party and Family Festival in September at the Aldie Mill, both of which were highly successful and well-attended events. The Hon. Phyllis Randall, Chair of the Loudoun Board of Supervisors, received our 2021 Golden Goose award for her ongoing environmental leadership and successful effort to reverse a vote that would have allowed a dense development along the Goose Creek in Ashburn near Leesburg.

Last fall we also embarked on a new, chemical monitoring program with the professional assistance of the Friends of the Shenandoah River's accredited laboratory, while continuing our benthic invertebrate monitoring by adding newly trained monitors to our cadre of volunteers. We demonstrate all these monitoring efforts with a new online "Goose Creek Watch" mapping program, created with the assistance of the Downstream Project.

Then, in October, Board members and volunteers met at the Goodstone Inn and enjoyed a beautiful day of canoeing the Goose Creek while scooping up a dozen tires and numerous bags of litter.

All this, despite the pandemic! We are able to accomplish so much because we have a dynamic board, enthusiastic volunteers, and a dedicated Executive Administrator, Holly Geary. Please join us in this endeavor for "water is life."



Lori Keenan McGuinness
Co-Chair
Fauquier County



Paul Lawrence
Co-Chair
Loudoun County



OUR 2021 BOARD MEMBERS

In October, our Board decided that our short-term, strategic vision is to work effectively to restore the Goose Creek from its currently impaired status to a recreational level of quality that everyone can enjoy. GCA's board members are dedicated residents of our community with diverse backgrounds who share a common commitment to preserve and protect our watershed.



Sally Fletcher

(Loudoun)

A retired attorney, Sally was a leader in the St. Louis development effort opposing “MOJAX” and participates in GCA’s advocacy and development endeavors.



Karl Kelley

(Loudoun)

Managing Partner at Pointe Advisory, Karl is actively involved in advocacy in Loudoun County especially the True North and Goose Creek Overlook matters.



Patty Callahan

(Fauquier)

A longtime GCA volunteer stream monitor and board member, Patty is actively involved in GCA’s education and development endeavors.



Paul Lawrence

(Loudoun)

An attorney with a nutrient credit bank business, Paul has led GCA’s advocacy program in Loudoun County as Chair.



Aline Day

(Fauquier)

An ardent leader in the gardening community, Aline is actively involved in GCA’s education and development endeavors.



Ted Lewis

(Loudoun)

Ted is a senior vice president and engineer at Terracon. Ted is actively involved in GCA’s advocacy in Loudoun County, especially the True North and Goose Creek Overlook projects.

OUR 2021 BOARD MEMBERS



Lori Keenan McGuinness
(Fauquier)

A retired attorney, Lori has been involved in GCA's programs and leads its advocacy and education programs in Fauquier County as Chair.



Norm Myers
(Loudoun)

A professional real estate appraiser, Norm is leading GCA's new chemical monitoring program and contributes often to GCA's advocacy efforts.



Jeff Millington
(Fauquier)

A retired State Department diplomat who has led GCA's benthic monitoring program, Jeff has trained numerous volunteers and assists with GCA's new chemical monitoring program.



Mark Thompson
(Loudoun)

A dedicated conservationist, Mark has repeatedly served on GCA's Board as a volunteer and Treasurer.



Dulany Morison
(Loudoun)

Dulany has led GCA's Goose Creek Challenge riparian buffer program for several years, helping GCA plant numerous trees on many farms with enthusiastic volunteers.



Marvin Watts
(Loudoun)

Marvin has enthusiastically led GCA's canoe stream clean-ups for several years, exposing our volunteers to gorgeous parts of the Goose Creek along private banks.

ADVISORY COMMITTEE

Jolly DeGive

Howard Lewis III

Pat McIlvaine, Loudoun Soil & Water Conservation District

Jeff Millington, Stream Monitoring Chair

Melissa Allen, John Marshall Soil & Water Conservation District

Meredith Whiting, Past Chair

Bonnie Mattingly, Past Chair

TEAM

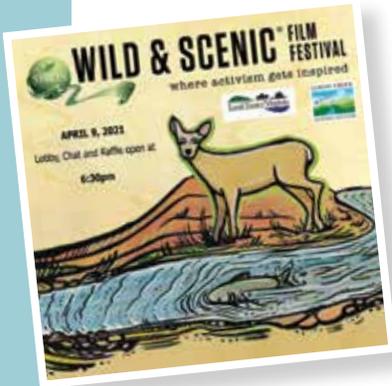
Holly Geary, Executive Administrator

Matthew Frost, River Steward

OUR PROGRAMS

Outreach and Education

Virtual Film Festival – Wild & Scenic



GCA teamed up again with the Land Trust of Virginia to host our very first virtual film festival through Wild and Scenic Film Festivals. We thoroughly enjoyed the experience and had the opportunity to watch many different and interesting short film documentaries on a variety of conservation topics.

Summer Camp Scholarships

Every year GCA sponsors students to attend summer camp. In 2021, we sponsored campers at the Journey Through Hallowed Ground, Extreme Journey Day Camp and the Clifton Institute's Young Scientist Camp.

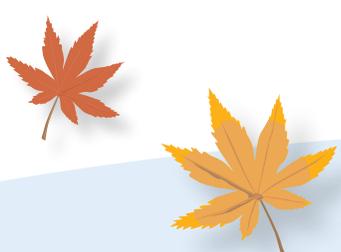


RIGHT: Journey Through Hallowed Ground; BELOW: Clifton Institute - Young Scientists.



Fall Festival

To celebrate Goose Creek Association's 50+ years dedicated to conservation, we hosted a Fall Family Festival at the Historic Aldie Mill in Aldie, Virginia. The environmental theme included children's games, interactive exhibits, an art show, and a very popular raptor exhibit and show.



Fall Party – Golden Goose Award

As part of our 50+ year celebration, we hosted a fall party and presented our 2021 Golden Goose Award to the Honorable Phyllis Randall.



OUR PROGRAMS

Stream Monitoring

Benthic Macroinvertebrate Monitoring

We continue our long-established program of stream monitoring for benthic macroinvertebrates on a semi-annual basis. This program is chaired by Jeff Millington, who is a board member and certified stream monitoring trainer. If you would like to become a volunteer stream monitor, please send an e-mail to info@goosecreek.org.

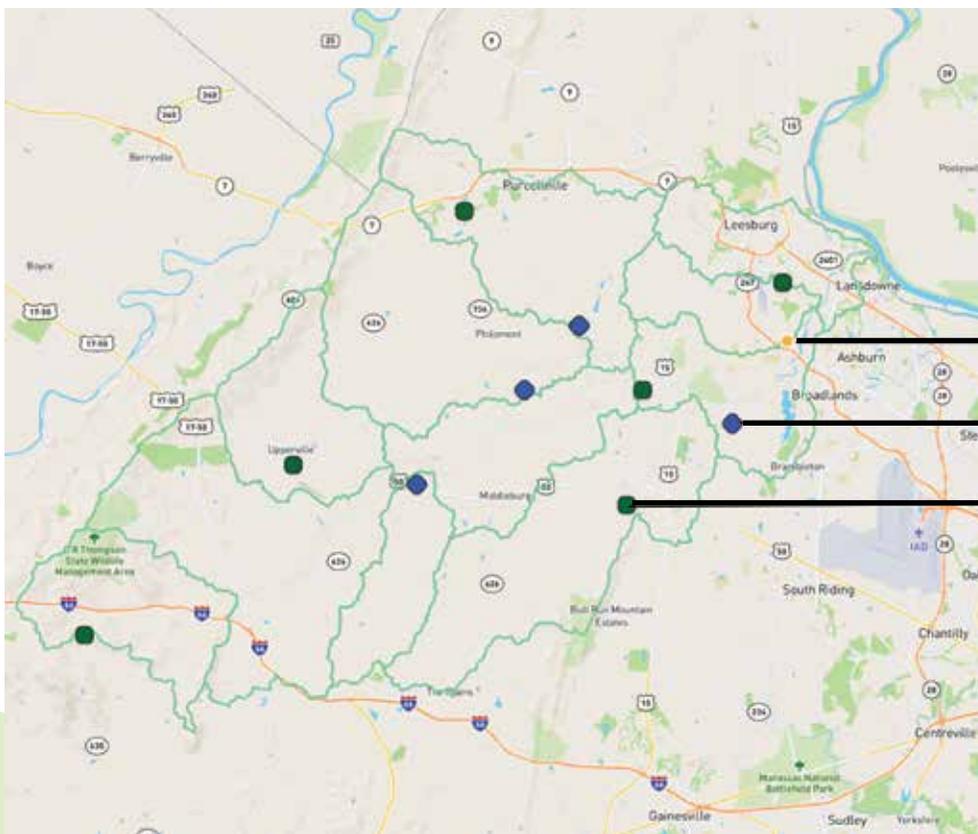


New Chemical and Bacterial Monitoring – “Goose Creek Watch”

Supporting a Healthy Goose Creek Watershed

As part of our strategic vision to restore the Goose Creek to a recreational level of water quality, beginning in August of 2021, we joined forces with the Friends of the Shenandoah River (FOSR) to begin an aggressive VADEQ Level III chemical and bacterial monitoring program in the Goose Creek watershed. The Downstream Project has been instrumental in quantifying the data and getting it up on our website in a easily readable and interactive format.

See - <https://goosecreek.org/stewardship/goosecreekwatch/>.



Google Data Center
42350 Red Triangle

USGS Flow Gages - 4

Chemical & Bacterial Water
Quality Monitoring Program
Monitoring locations - 6
(Green Squares)

Map shows boundaries of all
subwatersheds within the
Goose Creek Watershed

OUR PROGRAMS

Goose Creek Challenge

Every year we endeavor to plant as many trees as possible in the Goose Creek watershed. Dulany Morison chairs our efforts. In 2021, we worked with both the **John Marshall Soil and Water Conservation District** in Fauquier and the **Loudoun Soil and Water Conservation District**, along with numerous volunteers and student groups. We planted on four farms and had 69 volunteers and students who planted 1,530 plants on over 1.38 miles of streambed. 2021 was also the first year that we partnered with other conservation organizations, the **Piedmont Environmental Council** and the **Friends of the Rappahannock**, to plant an additional 3,750 trees in the Goose Creek watershed.



Wagenburg Farm



Oak Spring Farm



Smitten Farm

We had a free tree giveaway with a partnering organization, **We Plant Trees**, in which we gave away 500 saplings and we also gave away another 1,000 trees at our Fall Family Festival.



Confluence of Goose Creek and the Potomac River.

Welcome Matt!

Goose Creek Association welcomes our new **River Steward, Matt Frost**

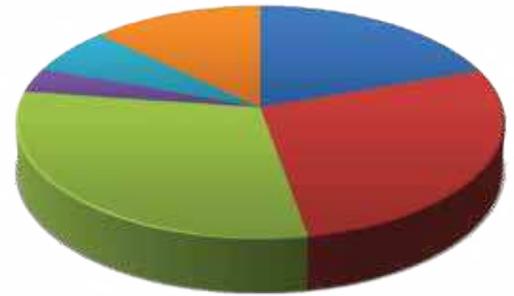
Matt is a graduate of George Mason's Environmental Sustainability program with extensive experience throughout the Chesapeake Bay watershed in the types of programs that are the focus of GCA's endeavors. Matt will organize volunteers and work with partners to educate landowners to implement BMPs that will elevate the quality of the water in the Goose Creek watershed.



2021 FINANCIAL SUMMARY

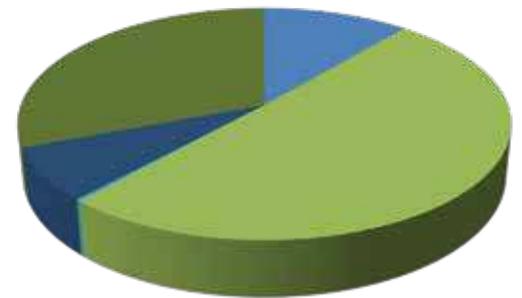
INCOME

■ Unrestricted Memberships & Donations	37,296.00
■ Restricted Donations*	52,504.00
■ Foundations, Government & Corporate Grants	57,068.00
■ Sponsorships	6,620.00
■ Special Events	12,281.00
■ Other Income and In-Kind Donations	24,413.00
Total Income	190,182.00



EXPENSES

■ Administrative	15,013.00
■ Programs	67,673.00
■ Fundraising	383.00
■ Special Events	9,915.00
■ Restricted Program Expenses*	41,379.00
Total Expenses	134,363.00



*Land and Watershed Protection



RECOGNITION OF DONORS

Thank you to everyone who made a contribution in 2021, helping to ensure the future of our organization.

GRANTS, SPONSORSHIPS, CORPORATIONS, AND FOUNDATIONS

Akre Capital Management LLC – \$1,000
Andrews Family Foundation – \$1,000
William M. Backer Foundation – \$11,500
Cricket Bedford, Thomas & Talbot – \$2,060
Slade-Betts Foundation – \$5,000
Brennan Family Foundation – \$1,250
Charles Carroll IV, M.D. - \$500
Canoe Cruisers Assoc. of DC - \$100
Louise B. Cochrane Charitable
Foundation – \$5,000
Dun Foundation- \$2,500
Enrichmond Award – \$1,000
Fauquier & Loudoun Garden Club – \$50
Friends of the Shenandoah
River – \$16,450 (*In-kind*)
Hall Family Foundation - \$500
Patricia & Nicolaas Kortlant Foundation
Memorial Fund Grant – NPCF – \$1,500
Lazar Foundation – \$2,500
Luminescence Foundation – \$1,000
Jesse & Rose Loeb Foundation – \$2,500
Mangano Foundation – \$100
McGraw Foundation – \$200
McIntosh & Eldredge – \$250
Medway Charitable Trust – \$5,000
Peter Wood
Mercer Tavern Antiques – \$200 (*In-kind*)
Middleburg Professional Center – \$100
Mr. Print – \$423 (*In-Kind*)
Network for Good – \$100
Oak View National Bank – \$500
Path Foundation – \$10,000
Jerold & Marjorie Principato
Foundation – \$500
Red Fox Inn & Tavern – \$250
Secor Investment Management – \$2,000
Tara Foundation – \$2,500
The Downstream Project – \$7,500 (*In-kind*)
The Fun Shop – \$300
The Selheimer Foundation – \$100
The Silver Family Foundation – \$100
The Thompson Foundation – \$200

Tides Foundation – \$20,000
Google Data Centers
Will Thomas, TRR Sotheby's
International Realty – \$2,060
US Energy Foundation – \$5,000
Virginia S. Warner Foundation – \$2,000

LITTLE RIVER \$1,000+

Ms. Patricia Callahan
Mr. Duen Li Kao
Mr. & Mrs. Robert deButts
Mr. & Mrs. C. Russell Fletcher
Ms. Lisa Koteen Gerchick
Ms. Georgia Herbert
Mr. & Mrs. William Janes
Mr. & Mrs. Paul Lawrence
Mrs. Jacqueline Mars
Mr. & Mrs. Sean McGuinness
Mr. George Ohrstrom, II
Ms. Jean Perin
Mr. John Ross
Ms. Meredith Whiting

CROMWELL'S RUN \$500-\$999

Mr. & Mrs. Charles Akre, Jr.
Mr. Mitch Diamond & Ms. Lucy Bernstein
Ms. Mary Dunbar
Mr. & Mrs. Glenn Epstein
Ms. Karla Evans
Mr. George Grayson
Ms. Jennifer Greenleaf
Ms. Margaret Keeley & Mr. Khris Baxter
Mr. & Mrs. Ted Lewis
Mr. & Mrs. Michael McGettigan
Mr. & Mrs. Michael Morency
Mr. Jonas Neihardt
& Ms. Lynn Vendinello
Mr. & Mrs. John Richardson
Ms. Polly Rowley
Ms. Barbara Scott
Mr. & Mrs. Donald Taylor
J. Marvin Watts
Mr. James Wilson
Mr. & Mrs. Mark Winchester
Mr. & Mrs. Rene Woolcott

HUNGRY RUN \$200-\$499

Mr. John Adams, Jr.
Mr. Joseph Allbritton
Mr. & Mrs. Chris Ambrose
Ms. Cricket Bedford
Mr. & Mrs. Brian Boland
Mr. & Mrs. Landon Butler
Mr. & Mrs. John Coles
Mr. & Mrs. J. Bradley Davis
Mr. & Mrs. Henry Day
Ms. Josephine De Give
Mr. & Mrs. John Denegre
Dr. & Mrs. Paul Diehl
Mr. & Mrs. Coe Eldredge
Ms. Patricia Ewing
& Mr. Peter Piske
Mr. & Mrs. William Ferster
Mr. & Mrs. Donald Glickman
Mr. & Mrs. W. Cabell Grayson, Jr.
Mr. & Mrs. Sydney Hall
Mr. & Mrs. John Hannum, III
Mr. & Mrs. Paul Hasse
Ms. Leslie Hazel
Mr. & Mrs. Jack Helmly
Mr. & Mrs. Walter Kansteiner
Mr. & Mrs. Howard Kaye
Mr. & Mrs. Karl Kelley
Mr. Henry Lavine
& Ms. Ronda McCrea
Ms. Aliene Laws
Mr. & Mrs. Marc Leepson
Mr. & Mrs. Charles Matheson
Mr. Malcolm Matheson, III
& Ms. Nancy West
Dr. William McCormick
& Ms. Lydia Donaldson
Ms. Sally McVeigh
Mr. & Mrs. Jeffrey Millington
Mr. & Mrs. C. Dulany Morison
Mr. Norman Myers
Ms. Laura Ogelman
Ms. Caroline Polhemus
Mr. Kevin Ramundo
& Ms. Anne Dignazio
Mr. & Mrs. Colin Rosse

RECOGNITION OF DONORS

Ms. Kathryn Scott
Mr. Matthew Sheedy
& Ms. Vicki Bendure
Mr. & Mrs. Brian Shutler
Mr. & Mrs. Rucker Slater, Jr.
Mr. & Mrs. Phillip Thomas
Mr. & Mrs. J. Richard Thomas
Mr. Robert Varrin, Jr.
Ms. Nicole Watson
& Mr. Jason Paterniti
Ms. Lynn Wiley
Mr. John Zugschwert
& Ms. Rose Rogers

BOLLING BRANCH \$100-\$199

Gwen E. Alred Revocable Trust
Mr. & Mrs. Mark Augenblick
Mr. & Mrs. Howard Armfield
Ms. Wendy Bebie
Mr. Harry Bigley
Mr. & Mrs. Brad Bondi
Cornelia Bonnie Revocable Trust
Mr. Robert Boucher
Mrs. Ames Braga
Mr. & Mrs. Brad Brown
Ms. Michelle Burrelli
Mr. R. Snowden Clarke
Mr. & Mrs. Joseph Coleman, Jr.
Ms. Jane Covington
Mr. & Mrs. Alan Croft
Mr. & Mrs. Thomas deButts
Mr. & Mrs. C. Stanley Dees
Mr. & Mrs. Thomas Delashmutt
Mr. & Mrs. Michael Dennis
Ms. Virginia DeSeau
Ms. Tria Dove
Mr. & Mrs. Guy Dove, III
Mr. & Mrs. Thomas Dudley
Mr. & Mrs. Philip Dudley
Mr. Russell Firestone
Mr. & Mrs. Edward Fogle
Mr. Eugene Gulland
Mr. & Mrs. Tom Harbourt
Ms. Gertraud Hechl
Mr. & Mrs. David Hitchcock
Ms. Laura Hopkins
Ms. Sarah Huntington

Ms. Jacquelyn Ivey
Dr. & Mrs. Richard Jackson
Ms. Virginia Jenkins
Mr. & Mrs. Kenneth Knapp
Mr. Stuart Kyle
Ms. Sheila Lafalce
Mr. Douglas Lees, III
Mr. & Mrs. Andrew Lewis
Mr. & Mrs. Littleton Trowbridge
Mr. & Mrs. Gregg Looney
Mr. & Mrs. Lennart Lundh
Mr. Chris Mallin
Ms. Elizabeth Manierre
Ms. Cheryl Matochik
Ms. Mary Ann McGowan
Mr. & Mrs. Robert Monk
Mrs. Jacqueline Ohrstrom
Ms. Barbara Payne-Grove
Ms. Nicole Perry
Mr. Trevor Potter
& Mr. Dana Westring
Ms. Sally Price
Mr. Gino Reina
Mr. & Mrs. David Renner
Ms. Amy Reynolds
Mr. John Reynolds
Mr. James Rich, Jr.
Mr. Richard Riemenschneider
& Ms. Andrea Gilman
Mr. Colvin Ryan
Mr. & Mrs. Pete Sacripanti
Mr. Bill Sellers
Ms. Barbara Ann Sharp
Mr. & Mrs. John Sherman
Ms. Sandra Shutler
Ms. Susan Smith
Ms. Ily Soares
Mr. & Mrs. Edward Stettinius
Mr. & Mrs. John Suter
Mr. James Thompson
Ms. Margaret White
Mr. David Williams
Mr. & Mrs. Tucker Withers

Ms. Marcia Woolman
Ms. Margot Young

CHATTINS RUN \$40-\$99

Mr. & Mrs. Sidney Abrams
Ms. Miriam Anver
Ms. Jennifer Giles Austell
Mr. John Benedict
Ms. Cynthia Benitz
Mr. Keith Berry
Ms. Gem Bingol
Mr. Duane Byers & Ms. Kristen Schoeck
Ms. Alice Calhoun
Ms. Winfield Crigler
Ms. Harriet Cutshall
Mr. & Mrs. William du Pont
Mrs. Hazle Edens
Ms. Eleonora Florance
Mr. George Laird
Mrs. Debra Gutenson
Ms. Alisa Johnson
Mr. Tafadzwa Katiyo
Mr. & Mrs. Scott Lamb
Mr. & Mrs. Dale Lindsay
Mr. John McNamee
Ms. Martha Munn-Scott
Mr. Joshua Muss
Ms. Sue Puleo
Ms. Amy Ritter
Mr. & Mrs. Ronald Ross
Ms. Erin Smith
Mr. & Mrs. Turner Smith, Jr.
Ms. Emily Southgate
Ms. Mary Twiss

JEFFRIES BRANCH up to \$39

Mr. & Mrs. Thomas Glascock
Mr. John Payne
Dr. Charles Stine
Mr. & Mrs. Richard Taylor
Mr. & Mrs. Charles Trefzger
Ms. Hope Woodward

Thank you for your generous support!

Thank you to our local sponsors and partnering organizations!



Join Us!

Scan here to Donate!



Please support our efforts by joining today!

YES, I would like to become a member of the Goose Creek Association

MEMBERSHIP DONATIONS:

- Corporate \$100
- Family \$35
- Individual \$25
- Other
- I would like to volunteer

Enclosed is my check payable to Goose Creek Association in the amount of \$ _____

Or make an online donation at www.goosecreek.org

CONTACT: Please print clearly

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

E-mail: _____

Detach form and mail to:
Goose Creek Association | P.O. Box 1178 | Middleburg, VA 20118



Dedicated to protecting and preserving the environment and quality of life in the Goose Creek Watershed in Fauquier and Loudoun Counties, Virginia

Goose Creek Association
P.O. Box 1178
Middleburg, VA, 20118
Phone: 540-687-3073
www.goosecreek.org
E-mail: info@goosecreek.org



FOLLOW US!

Nonprofit
Organization
U.S. Postage
PAID
Mr. Print
Middleburg, VA
20118



DUCKWEED VS. ALGAE

Did you know?

Duckweed is often mistaken for algae, but duckweed grows from seeds and it is shaped like a miniature four leaf clover with a small root dangling from it. Duckweed is beneficial when kept under control; however, when it overgrows, it may become harmful to its ecosystem. The following chart summarizes some of the differences and similarities.

DUCKWEED

- Tiny four leaf clover like, has roots
- Birds carry seeds on their feet into pond
- Source of food for waterfowl
- Collects phosphorus and nitrogen
- High protein content so otherwise collected for food, biofuel and medical research.

ALGAE

- Looks like moss
- Grows rapidly when there's excess phosphorus and nitrogen in the water
- Small fish, crustaceans, and zooplankton eat it
- Can be toxic.

BOTH

- Create green "mats" in ponds
- Create "dead zones" if there is too much
- Thrive on excess nitrogen and phosphorus
- Can be treated with aeration, raking, filtering
- Avoid use of algicides and herbicides as "cides" are bad for all animals.

RIGHT: Duckweed has tiny four leaf clover like petals and small root system.

LEFT: This pond shows how duckweed spreads and how quickly it can take over a body of water if not controlled.

