



# DCVA

DARBY CREEK VALLEY ASSOCIATION

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2019 Annual Report





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## President's Pen

by Jaclyn Rhoads, DCVA President

It's 2020! It's a new decade of opportunities and likely new battles. DCVA has grown so much over the past year with new programming and new funding that you will learn about in this report. In addition, Delaware County has a new administration coming in that will provide more ways to better protect the environment. I had the chance to participate in a working group on natural resources-- one of Delaware County's twelve working groups to advise the new Delaware County Council. Several individuals from the county shared ideas for how to protect our open spaces, connect our communities, expand sustainability, and fund all these creative plans. The Delaware County Council plays an important role in the fate of the Darby Creek Watershed, since most of the watershed is within the county boundary.

*Some of the most important items that the County can help support and/or address include:*

1. **Changing the ecological designation of the unnamed tributary to Whetstone Run.** This tributary runs through the Don Guanella School property in Marple Township which is pending development approval. DCVA petitioned the Pennsylvania Department of Environmental Protection (DEP) to change the designation of the tributary to provide greater protections for it, but the DEP is not interested in changing the designation or doing the work necessary to better assess its water quality. The County can help to weigh in with DEP.
2. **Purchase the Don Guanella property.** DCVA joined with Delaware River Keeper Network, Save Marple Greenspace and the Clean Air Council to create the Whetstone Run Coalition to protect this area. The Coalition hopes with new funding and support by the County that this land, one of the last large open spaces in the county, may be protected.
3. **Create a Sustainability or Natural Resources Committee at the County level.** DCVA has worked for years with residents to create environmental advisory councils in each township. These councils help to inform local decision makers about environmental impacts from projects and identify opportunities for improvement. Still, the neighboring councils don't talk to each other, so having the opportunity for some oversight and interaction at the county level can provide a more holistic approach to natural resource management.

I am hoping all of you will help DCVA by weighing in with the Council members about these priorities. DCVA is also hoping to get feedback from all of you as we embark on a new strategic plan this year. As you review many of our accomplishments this year, you will see that we are trying to expand our reach and protections for the Darby Creek – your backyard.

# Stream Watch

by Alan Samel

The Darby Creek Stream Watch Program is an important component of the DCVA stream stewardship objectives. Testing for chemical pollutants and sediment load in the Darby Creek is important, of course. However, the animals that are bathed in the creek water throughout their early lives or entire lives can tell us a great deal about water quality. The stream organisms tell us a lot about the stream water quality because they spend a majority of their lives in the stream and in one location. Macroinvertebrates (insects, snails, crayfish, and other animals without backbones) are the organisms most frequently used around the world in organism-based stream water quality assessment techniques. While the presence or absence of specific stream organisms cannot tell us specifically what may cause concern, the information can indicate if there should be concern. From this information, DCVA would contact the appropriate authorities.

The Darby Creek Stream Watch Program has two components: (1) the spring stream sampling for invertebrates and (2) the winter macroinvertebrate identification workshop. The output from this annual program is an assessment of water quality at each stream site based on the aquatic organisms collected and identified. 2019 was the 15<sup>th</sup> year of intense sample collection and identification. From this long-term sampling, a trend of the stream health at each site has been determined. Each year we compare our findings to the previous year's data. It's a way of getting the big picture from a lot of very small bugs!

The annual Stream Watch stream samples were collected April 6<sup>th</sup>, 2019. We took 12 samples--two from each of six sites up and down Darby Creek: Bartram Park in Darby, Darby Creek Road in Havertown (downstream from the Haverford Reserve), Skunk Hollow in Radnor, the Brandywine Preserve at Waterloo Mills in Easttown, and the Swedish Cabin in Upper Darby. The sixth sample is from a new site that is further upstream than any of the other sites. We are very curious to see what was collected because the stream at this site is smaller than at the five other sites. April 6<sup>th</sup> was a good day to get wet! It was overcast and about 55°F. Not a perfect day, but a good day to take stream samples. **Thank you to the small army of volunteers who helped make this a great day!**

The annual macroinvertebrate identification workshop was scheduled for January 25<sup>th</sup>, 2020 after the deadline for this annual report, so please look at next year's report to see the 2019 results. The increase in participation at recent yearly workshops is what allowed us to consider a sixth sample site. **Thank you to everyone who participates in this event as well!**

Water quality trended up at the Haverford, Skunk Hollow, and Waterloo Mills sample sites in 2018. But one year does not tell the complete story; sometimes three to five years and possibly more, are necessary to determine if the

water quality at a specific sample site is increasing or decreasing. The 2018 samples showed decreases in water quality at two of the five sample sites: Bartram Park and the Swedish Cabin sites. In fact, there has been a consistent downward trend for the past three years at the Bartram Park site and four years at the Swedish Cabin site. While we have seen "down" years followed by good years, and vice versa, a decline over at least three years does get our attention. The 2019 samples will help us gain a better understanding of what is happening at these sites--a true trend down or a blip in the data. If the downward trend continues, DCVA needs to investigate and start a dialogue with local government officials to identify possible causes.

*If you are interested in getting involved with the stream watch program- stream samples and insect identification workshop, please contact Alan Samel at [alan.samel@gmail.com](mailto:alan.samel@gmail.com).*





## Growing Greener Grant: Cobbs Creek Stormwater Control through Resident Actions

by Susan Miller

Highly developed watersheds, such as the Cobbs Creek subwatershed within the Darby Creek watershed, have a high percentage of impervious surfaces such as parking lots and buildings. Stormwater runs rapidly across these surfaces (rather than being soaked into the ground) carrying fertilizer from lawns, oil and salt from roadways and sediments that clog streams. Rapidly rising streams are dangerous, even deadly. In 2019 DCVA was awarded \$250,000 from the Pennsylvania Department of Environmental Protection through the Growing Greener Watershed Protection Grant. DCVA will engage with Haverford and Upper Darby Townships and the Haverford and Upper Darby School Districts to educate 200-300 households about how they can begin to manage the stormwater runoff from their homes. DCVA will utilize the expertise of the Academy of Natural Sciences of Drexel University and the Penn State Extension Master Watershed Stewards Program to develop partnerships with the stakeholders (Haverford Township, Upper Darby Township, Haverford School District, Upper Darby School District, Haverford Civic Council, etc.). The public education program begins with a focus on incorporating the concepts that are at the base of this effort into the existing environmental education curriculum at the two elementary schools in the Cobbs Creek watershed.

As part of this grant DCVA also plans to build 50 residential rain gardens that will remove/reduce stormwater runoff in the watershed by 14,400 cubic feet per storm event, which will remove approximately 20.1 of the 23.7 pounds of nitrogen per year and approximately 817 of the 908 pounds of total suspended solids exported from those 50 properties. In addition, using the expertise of the Academy of Natural Sciences of Drexel University and help from our active volunteers, DCVA will develop and implement a water quality and quantity monitoring program that focuses on stormwater flows and water quality through the piped stream system of the upper and middle watershed and in the lower watershed where there is a free-flowing stream. This new data will build on existing data from four years of monitoring we have completed of the lower watershed. Wetlands & Ecology, Inc. (W&E) will complete and calibrate a stormwater model that has been under development for the past two years for this entire watershed. This model will be very beneficial to the municipalities in the watershed in planning stormwater management.

# Rain Gardens

by Peter Puglionesi

Constructed in a man-made or natural depression, rain gardens are designed to temporarily absorb rain water that flows from roofs, driveways, parking lots and other impervious surfaces. In addition to capturing water, rain gardens remove nutrients and inorganic suspended particles from the water. With funding from the National Fish and Wildlife Foundation, DCVA and its partners (Hav-a-Rain Garden Program, Haverford Township, Eastern Delaware County Stormwater Collaborative and Pennsylvania Resources Council) evaluated 26 properties in the Naylor's Run micro-watershed for possible rain garden installation. They constructed ten residential and commercial rain gardens. **This demonstrated that volunteer organizations could successfully design rain gardens in public spaces and work with municipal resources to complete installation for a highly cost-effective use of grant funding.** The partners also presented two formal 3 hour Rain Garden Workshops (and additional shorter sessions), two field instruction and outreach sessions for School District of Haverford Township teachers and staff and mentoring of rain garden assessment/design apprentices.

The ten new rain gardens comprise approximately 4000 square feet. They add to the stormwater holding capacity of rain gardens already built in Haverford by the partners--increasing the runoff collection area and storage capacity by about 50% to a total of 1.65 acres of impervious surface and 0.3 acre-feet of additional stormwater that is retained in each rainfall event of 2 inches or more. Total in-kind contributions (planting, design, and oversight by volunteers plus engineering expertise and heavy equipment by Haverford Township) totaled a value of \$122,525, exceeding the proposed total of \$78,000.

DCVA Board Members Peter Puglionesi and Jamie Anderson manage the Hav-a-Rain Garden program, with administrative and additional grant fund support from Pennsylvania Resources Council, which reaches beyond this



Bailey Park rain garden

project to build 10 residential rain gardens in Haverford per year – a total of 50 to date! The Hav-a-Rain Garden Program has been mentoring volunteers from outside Haverford with the goal of fostering the creation of similar programs in other Townships. Upper Darby will be the first formal township program created by apprentices of the program with the assistance of a dedicated contribution made to DCVA.

**Measuring Effects on Naylor's Run:** DCVA has performed water quality monitoring in the Darby Cobbs Watershed for many years, including in Naylor's Run. In March of 2016 DCVA received a two year Supplemental Monitoring Grant from the Academy of Natural Sciences of Drexel University to add additional seven macroinvertebrate monitoring sites to help detect anticipated positive changes in water quality as the direct result of the Hav-a-Rain Garden program and the Naylor's Micro-watershed/Darby Road Median Rain Gardens Project. Trained volunteers are carrying out these studies.



Llanerch Avenue rain garden



DCVA volunteers and Berwyn residence working together to create a residential riparian buffer.  
(Photo: Susan Miller)

## DCVA Orchestrated Tree Planting with PECO Funds in Easttown Township

by **Kate Doms and Susan Miller**

Berwyn in Easttown Township, Chester County is near the origin of the western side of the Darby Creek watershed. Residents along some streets in Berwyn south of Route 30 were alarmed when large numbers of trees were marked for removal. The area is subject to frequent power outages, and the tree removal was to occur to allow Philadelphia Electric Company (PECO) crews greater working space to replace smaller electrical poles with larger ones and make the system more reliable. While grateful for the promise of more reliable power, the residents were concerned about the cutting of hundreds of beautiful old trees. They recognized that one tree can absorb up to 100 gallons of water and thus flooding is reduced in a sylvan environment. Further, they knew that streamside trees and other vegetation (riparian zones) protect complex stream ecosystems that are home to fish, insects, invertebrates and other organisms. Many trees were cut down in 2019, only their stumps remain. Several meetings between the residents and PECO representatives resulted in PECO providing funds for replacement saplings and reaching out to DCVA to oversee the tree planting in the area.

DCVA began the project by providing a workshop to interested Berwyn residents on the importance of riparian buffers, the advantages of planting native species, and tree planting techniques. On May 29, 2019 trees were planted at a private residence on Rabbit Run, a Darby Creek tributary, to supplement the existing riparian zone and 24 trees were planted at the Upper Main Line YMCA. Native trees were selected as they “naturally” fare well in the area and provide the best habitat for local pollinators and other insects, birds, and animals. Additional trees were planted in the area; a total of 129 native trees and shrubs have been planted through this program.



## 35<sup>th</sup> Annual CleanUp: A Perspective

by Susan Miller

Since 1984, the Darby Creek Valley Association has organized friends and neighbors to take care of our local treasure – the Darby Creek watershed. In our 35th Annual Creek Cleanup in April 2019, we harnessed the power of 923 volunteers to remove trash from throughout the Darby Creek/Cobbs Creek watershed. Working in 52 sites scattered across Delaware, Chester, Philadelphia, and Montgomery Counties, our volunteer teams scoured creek banks and roadways. Together, we removed 109,600 pounds of trash from 126 linear miles of these creeks and their tributaries. I am grateful for our enthusiastic volunteers and proud of the work we accomplished together.

Yet as I paddled my kayak through these waters recently, I gained a new perspective from what you might call a “duck’s eye view.” I happened to have an extra garbage bag with me, and as I paddled along, I casually gathered up trash that was floating in the water or caught in the reeds. Into the bag went plastic straws, food wrappers, Styrofoam cups, and soda cans. In went dozens of plastic bottles and five (*yes, five*) old basketballs. In a matter of minutes, my bag was full. Clearly, we have more work to do!

## William Penn Foundation Report

by Derron LaBrake

During 2019 DCVA continued to participate as a partner in the Cobbs Creek Cluster portion of the William Penn Foundation funded Upstream Suburban Philadelphia Cluster designated as part of the Foundation’s Delaware River Watershed Initiative (DRWI). During the past year we participated in quarterly meetings, the annual Winter Gathering and a number of individual workshops. Through our involvement in the DRWI, DCVA participated as a host, speaker, and participant in the development of the Cluster’s Citizen Scientist program.

In Partnership with other Cobbs Creek Cluster groups, DCVA promoted training opportunities for targeted municipal officials and staff on stormwater practices. The cluster members assisted and promoted GSI installations with small scale projects like rain gardens on public properties. Further, DCVA continued support of the

Residential Rain Garden Program in Haverford Township. In an exciting new development, we also initiated a similar program for Upper Darby. As in previous years, DCVA provided support of the Stream Smart Stormwater House Call audit program. In addition, we continue to monitor and maintain the Enviro-DIY meter that was installed in 2017 on an unnamed tributary of Cobbs Creek.

In the coming year DCVA will be participating in the scoping of the Phase 2+ work for the ongoing DRWI program, which will involve continued funding by the Foundation through 2023. The focus of Phase 2+ will be further expanding the program within the Cobbs Creek portion of our watershed and looking for ways to make the DRWI a continuing initiative that will be sustained beyond the funding provided by the Foundation.



# Another Rain Garden at Trinity Church

by Mary Westervelt

Trinity Presbyterian Church, Berwyn, PA, has been working since 2015 to add native plants and control stormwater on church property (see *The Valley*, September, 2017). A new garden, coupled with underground pipe, has been added to keep storm water from flooding the church basement without adding to runoff entering the local tributary of Darby Creek. The constraints were many, and the workers were few – but the work still got done!

Before the project, church roofs drained to a downspout that emptied into a yard used by the preschool as their Environmental Education Center (EEC). Downspout extenders brought the water away from the building, but left it to flood the EEC yard. Adding a rain barrel did not help. Even two rain barrels proved woefully inadequate to hold the amount of water entering the downspout. A new solution was needed that would carry the water away from the building, would not flood the preschool EEC yard, and would not dump the water into the nearest storm drain.

Preschool staff were open to the idea of having a rain garden – but it could not take more of the yard than was occupied by four raised beds, each 4 ft x 4 ft, where the children planted vegetables. Furthermore, the teachers wanted the raised beds to still be part of the rain-garden area, and they wanted it clear where the children were allowed to step in order to work in their raised beds. In addition, the water needed to get to the rain garden without creating a hazard for the children – a surface stream would not work. The first step, then was to bury perforated pipe from the downspout to the rain garden area. That work was contracted and completed in April. Digging the rain garden had to wait till preschool and day camp were over in late June. However, it was August before the rain let up enough so that work on the actual rain garden could begin – and the work had to be complete before the kiddies came back to school in the fall!

Progress after a week is shown in the top photo. Only a small central area was dug deep, with sand and topsoil added back to allow water to soak in. Heavy clay soil was removed and used to form a berm at the downslope edge, near the fence. Three raised beds were placed within the borders of the rain garden. Their topsoil was replaced, and stone was laid between the raised beds so the kiddies could work in them. Finally, native plants were added (middle photo).

Would such a small rain garden really work in the rain? So far it has. The bottom photo shows that rainfall was heavy enough to blow the cap off the underground pipe bringing water to the garden. (Can you find the green cap near the red cardinal flower blossoms?) However, water stayed within the rain garden and was completely absorbed after an hour. The preschoolers are enjoying the new learning space in their Environmental Education Yard, the church is staying dry, and no water is being added to the local storm sewers from this property! A similar rain garden is in progress at St. David's Episcopal Church in Wayne, under the guidance of DCVA Board member Derron LaBrake. Trinity Presbyterian Church was designated an Earth Care Congregation by the Presbyterian Church USA in 2017.



Middle Image: Pam Koch and Mary Westervelt ponder the best planting scheme for the new rain garden. (Photos by Don Bovais)

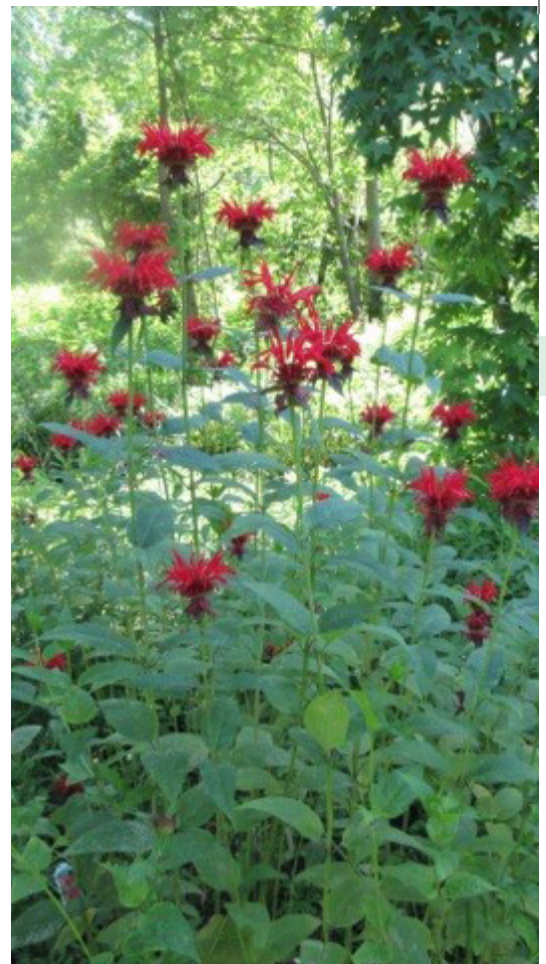
# The Circuit Coalition of Greater Philadelphia

by David Bennett

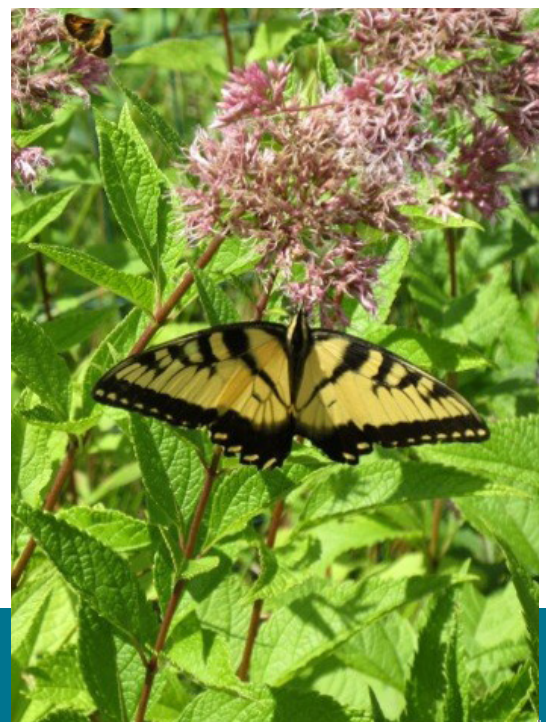
The Circuit Coalition was founded in 2012 in order to create a network of connecting off-road trails to accommodate travel for bicyclists and pedestrians in Southeastern Pennsylvania and Southern New Jersey. The goal is, ideally, to create a continuous trail so that eventually there will be no need for pedestrians and bicyclists to go on streets where there are motor vehicles. This would allow people to get around for recreation as well as travel to work and on other important errands. DCVA joined the Circuit Coalition as a supporting member in 2015. At this point in time, there are more than 53 member organizations of the Circuit.

The main framework of the Circuit includes the East Coast Greenway (ECG) Trail which, when complete, will connect Key West, Florida to Calais, Maine and roughly parallel Route I 95. The focus for the Darby Creek Valley Association is to help insure the completion of a Darby Creek Trail that would connect Radnor Township to the John Heinz National Wildlife Refuge. There are two ways to do that. "Trail Guru" Bob Thomas is working on a route from Valley Forge to the John Heinz Refuge that for the most part follows Cobbs Creek through Haverford, Upper Darby, and Philadelphia. Along Darby Creek, Haverford Township has planned, and is near completion of, three sections of trail from the Community Recreation and Environmental Center (CREC) to the Upper Darby Border (there are several roadblocks to overcome on Reed Road). Upper Darby has recently been working on their portion and it appears as if they have solved most of the problems there. The plan is to connect the trail from Reed Road to Township Line, to go through Drexelbrook property to Rosemont Avenue, and then along the Darby Creek to the Swedish Cabin. From the Cabin, there is a beautiful finished trail to Kent Park (in Upper Darby). In Lansdowne, the trail stops at a large outcropping of rock on Scottdale Road. We must find a way to get to the Little Flower/ Penn Pines property in Darby and Upper Darby in order to get to Darby Borough as well as continue on to JHWR. Any suggestions from readers of this article are welcome to contact David Bennett, [dster21@comcast.net](mailto:dster21@comcast.net) with new ideas.

*For more information please go to: [www.circuittrails.org](http://www.circuittrails.org).*



Clearing the land of invasive plants.



# Meadowbrook Run Wetland Rehabilitation at Sacred Heart Academy Phase 2

by Ann Jackson and Kate Doms

Sacred Heart Academy Bryn Mawr, is a private, Roman Catholic school for approximately 232 girls. In 2017 Michael Kearney, parent of a Sacred Heart student, contacted DCVA to assist with the revitalization of a wetland on the school property. DCVA board member Ann Jackson volunteered to handle the logistics with the technical assistance of DCVA board member and certified wetlands scientist Derron LaBrake. In addition to rehabilitating the wetland for wildlife, this project provided an educational opportunity for the students and a way for parents to get involved in their child's school.

## *Project objectives:*

- Intercept rain water and decrease erosion by planting native trees/shrubs/grasses in riparian and wetland areas.
- Stabilize Meadowbrook Run stream banks with willow stakes and investigate other measures as needed
- Plant native trees, shrubs and herbaceous plants that attract pollinators.
- Create an outdoor environmental “classroom” for students and the community

The first step of the project was to clear the land of invasive plants. Invasives are non-native plants that overgrow habitats and usually provide less food and habitat for native vertebrates and invertebrates than native plants. Over the last two years students, parents and volunteers have cleaned trash and debris from Meadowbrook Run and riparian areas. The Environmental science class and their teacher identified plants and insects on field & stream days. Further, the science teacher and students documented seasonal changes in the wetland. Community volunteers, students, parents, faculty, Radnor High School, DCVA and Penn State Master Watershed Stewards planted 442 native plants purchased with Delaware County Conservation District Mini-Grant Funds.

For the native plant aficionado, they were: 50 *Asclepias tuberosa*, 50 *Lobelia cardinalis*, 50 *Solidago graminifolia*, 100 *Pycnanthemum muticum*, 32 *Carex*, 50 *Asclepias incarnata*, 16 *Solidago nemoralis*, 3 *Rudbeckia*, 50 *Eupatorium fistulosum*, 23 *Cornus serica*, 6 *Ilex verticillata*, 6 *Philadelphus coronarius*, 1 *Betula nigra*, 5 *Cornus amomum*.





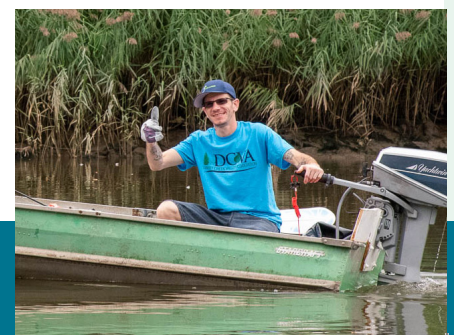
Fish and Boat Commission Officers join in the fun.

## The Canoe/Kayak on-the-Water CleanUp was a Great Success!

by Susan Miller

On September 14, 2019 approximately 15 canoes and kayaks launched at the Ridley Township Marina and approximately 10 canoes and kayaks launched at the John Heinz National Wildlife Refuge. Their mission was fun and cleaning up the creek. What was really neat was at the Ridley Marina we were joined by people in other boats. Some Officers from the Fish and Boat Commission saw us and they joined in and helped us out with their power boat. People who were just there to canoe also wanted to join in our efforts. They signed up and took trash bags to fill and gloves to wear. Special thanks to the Philadelphia Water Department who brought a small power boat in which they ferried some volunteers, including me, to sandbars to clean up trash there. We filled the boat with volunteers!

Having canoers, kayakers, and boaters sign up who were just there to boat for fun, gave me an idea for next year: In the summer when there are lots of boaters we can repeat this event and allow anyone who sees that we are cleaning up the creek to sign up to help and also sign up to join DCVA. We encountered people who enjoy the water and want to protect it. I look forward to meeting more citizens like them next year. We also made a great connection with the Fish and Boat Commission. I am looking forward to a few partnership ideas they had. In all it was a great day.



# DCVA's Folcroft Property Gets a New Look!

by Gerry Krieg

In April 2017, DCVA acquired an approximately six acre wooded property at the juncture of Norwood, Glenolden & Folcroft boroughs. The property lies within the boundaries of Folcroft borough and is bordered by Delmar Drive to the north, the Muckinipates Creek to the west and south, and Folcroft residences to the east. We found the area to be overgrown with invasive species, including common reed (*Phragmites*), Japanese knotweed, multi-flora rose, and vines that were entangling and choking mature trees. In addition, a portion of the area that is most accessible to the road was strewn with glass and plastic bottles, food containers and some larger items including mattresses and old tires.

We received two grants in 2019 to begin to work on this area. In April, as part of an AmeriCorps Grant, a dozen or so enthusiastic and hard-working AmeriCorps volunteers descended on the property for three days for a total of 240 hours. Community Service workers contributed over 60 hours. Folcroft Highway Department employees also helped substantially. Everyone worked together and removed much of the debris, cut vines and removed primarily multi-flora rose from a  $\frac{3}{4}$  acre area of the property, filling up two dumpsters in the process! In the Fall, with the help of a TreeVitalize Watershed Grant to DCVA, we were able to remove more multi-flora rose and plant about 50 native trees and shrubs (river birch, swamp white oak, spicebush & more) in a separate  $\frac{1}{4}$  acre or so area. The Folcroft Highway Department has been an invaluable partner in assisting with this work--supplying tools and manpower where needed, as well as a positive attitude and genuine interest in the restoration of the area.

We have already received another grant for the AmeriCorps volunteers for 2020 and the likelihood of the TreeVitalize Watershed Grant coming through is high as well. We look forward to continuing the work of restoring this area with more clearing, native species planting, trail creation, and other improvements to this property.



## DCVA in the News

The Darby Creek Valley Association was honored by PHL17 along with Barb's Harley-Davidson for their work to protect the Darby Creek watershed in the week of April 10, 2019, the week of the DCVA 35th Annual Cleanup. President Jaclyn Rhoads, Director Susan Miller, and DCVA Board member Barbra Keiffer accepted the award.



## THANK YOU TO OUR INDIVIDUAL DONORS

Thank you to our individual donors who this year provided extraordinary gifts to further specific goals or the general advancement of the DCVA mission. DCVA endeavors to honor all reasonable restricted contribution requests dedicated to a cause consistent with our mission. We are proud to honor one recent request that will be used to launch a rain garden program in Upper Darby.

## THANK YOU TO OUR SPONSORS, GRANTING AGENCIES, AND PARTNERS

Academy of Natural Sciences  
of Drexel University

AmeriCorps

Aqua America Pennsylvania

Clean Air Council

Crum Creek Neighbors

Colwyn Borough

Delaware County Conservation District

Delaware Riverkeeper Network

Destination Delco

Environmental Advisory Council

Eastown Township

Eastern Delaware County  
Stormwater Collaborative

Friends of John Heinz

Folcroft Borough

Glenolden Borough

Giant Foods

Haverford Township

Keep Pennsylvania Beautiful

Lansdowne Borough

Lower Merion Conservancy

National Fish and Wildlife Foundation

Norwood Borough

Pennoni Associates, Inc.

Penn Environment

Penn State Extension Master Gardeners

Penn State Extension

Master Watershed Stewards

Pennsylvania Department of Conservation  
and Natural Resources Treevitalize Program

Pennsylvania Department of Environmental  
Protection Growing Greener Grant

Pennsylvania Department of Transportation

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Pennsylvania Fish and Boat Commission

Pennsylvania Horticultural Society

Pennsylvania Resource Council

Philadelphia Electric Company

Philadelphia Water Department

Radnor Conservancy

Radnor High School

Ridley Township Marina

Sacred Heart Academy

Save Marple Green Space

Sierra Club

Springfield Township

Stroud Water Research Center

United States Department of  
Environmental Technical Assistance Grant

Upper Darby Township

Upper Main Line YMCA

Wetlands and Ecology, Inc.

Willistown Conservation Trust

William Penn Foundation

# Statement of Financial Activities

for the Twelve Months Ending December 31, 2019

<b>REVENUE</b>	<b>DUES</b>		7,576.46
	<b>CONTRIBUTIONS</b>	Clean up	4,700.00
		Rain Gardens- UD	3,995.55
		Other contributions	6,441.25
	<b>GRANTS</b>	William Penn Foundation	16,121.33
		EPA Technical Assistance Grant	20,670.00
		PA Growing Greener Grant	63,140.03
		Phila Electric Co Tree Grant	7,487.59
		National Fish and Wildlife Foundation	99,480.00
		Tree Vitalize	in-kind
		Delaware County Conservation District	500.00
		Ameri-Corps	in-kind
		Pennsylvania Environmental Council	8,647.00
<b>PROGRAM REVENUE</b>	Anniversary banquet	425.00	
	Other events	320.00	
	Canoe race	305.00	
<b>INTEREST</b>		3,9351.43	
<b>CASH/BANK</b>	at start of 2019	16,7573.59	
<b>TOTAL REVENUE</b>			<b>44,6734.23</b>

<b>EXPENSES</b>	<b>PROGRAMS</b>	Canoe Race	1,100.00
		Watershed Wide Clean Up	6,005.20
		Steamwatch water quality monitoring	156.99
		Other Programs	2,461.04
		Meetings and Conferences	5,619.95
		Folcroft land rehabilitation	4,409.54
	<b>GRANT PROGRAMS</b>	William Penn Foundation	16,121.33
		EPA Technical Assistance Grant	20,670.00
		Growing Greener	24,426.08
		National Fish and Wildlife Foundation	3,339.94
		Pennsylvania Resources Council	2,421.35
	<b>CONTRIBUTIONS</b>	School bus to Heinz Refuge, etc.	1,495.00
	<b>ADMIN/OTHER</b>	Accounting Services	2,000.00
		Consultants	51,703.11
		Insurance	1,512.00
		Printing/postage The Valley quarterly newsletter	3,987.00
		Office supplies/expenses	1,221.15
		Printing/postage other	599.59
		Rent	225.00
Website		1,166.40	
<b>TOTAL EXPENSES</b>			<b>150,640.67</b>

<b>Change in net assets 2018 to 2019</b>	<b>128,020.96</b>
<b>Net assets at beginning of Year 2019</b>	<b>167,573.59</b>
<b>Net assets at end of 2019</b>	<b>295,594.55</b>



P.O. Box 732 • Drexel Hill, PA 19026

## Get Involved!

DCVA is looking for volunteers interested in helping and leading efforts to protect and enhance the Darby Creek watershed and its historical sites.

If you would like to volunteer please contact DCVA President Jaclyn Rhoads at [president@dcva.org](mailto:president@dcva.org) or DCVA Director Susan Miller at 484-222-2502 or [suedcva@gmail.com](mailto:suedcva@gmail.com).

**Learn More at: [DCVA.org](http://DCVA.org)**



## 2019 NOTABLE IMPACTS

- 129** trees planted in Easttown Township
- 15** years of Stream Watch water quality monitoring
- 49** trees planted in Upper Darby Township
- 900** volunteers throughout the watershed removed over **55** tons of debris in the watershed wide annual cleanup
- 50** trees planted in Folcroft
- 1st** annual canoe/kayak on the water cleanup
- 383** flowers planted for pollinators at Sacred Heart Academy