

Euclid Creek Watershed Update

Issue 46
2021

2021 Euclid Creek Volunteer Highlights

The work to protect and restore the Euclid Creek Watershed could not happen without the key efforts of watershed volunteers. This year, individuals have dedicated **over 1,500 hours** to Euclid Creek watershed communities through the end of October. These hours include conservation work (page 4), bioretention and rain garden maintenance, tree planting, volunteer monitoring (page 6), as well as participation in our cleanups (page 9) and maintenance days. Below we highlight a few of the larger projects accomplished by volunteers this year.

This spring, **Stephen Daly** chose Euclid Creek work for his **Orange High School** senior project. We were very grateful to Stephen, who spent 55 hours this spring working closely with the **Friends of Euclid Creek** conservation committee, partners at **Cleveland Metroparks**, **West Creek Conservancy** and **Cuyahoga SWCD** on behalf of the watershed. Stephen helped monitor water quality, researched potential stream names for unnamed tributaries in Highland Heights, added boundary markers to conservation easements, and helped with bioretention and tree care over the course of three weeks. What did Stephen have to say about the experience? ***"I thoroughly enjoyed getting to learn more about the environment and what type of work you do on a daily basis. From learning how to test water to learning more about different plant species it was all around a great project...the diverse experience was very enjoyable."***

Master Rain Gardeners **Natalie Keyerleber** and **Rose Mason** have been tending to the **Greenwood Farm** and **Wiley Park** bioretention basins this year. They have spent endless hours weeding, but also helped initiate native tree and shrub planting efforts and group maintenance days to keep these very large bioretention practices functioning and looking their best.

Special thanks to **Howard Schemmel** who has adopted the **Redstone Run** easement in Richmond Heights and has been monitoring the site to address issues as needed.

Two new public gardens were installed by Euclid Creek volunteers this year. The new rain garden at **Willoughby Eastlake School of Innovation** was installed by professional track and **NOWCorps Master Rain Gardener** students this spring. This fall, friends and family of **Joe Newman** helped to install a yellow-themed native plant garden at **The Temple-Tifereth** in Joe's memory and in honor of his 17 years service to **Euclid Creek Watershed Council**.

Many thanks to the 300+ individuals who dedicated time to Euclid Creek watershed work this year. We can't do it without you!

Join Us

Sign up for our events or to volunteer at cleanups, planting and invasive management events today! euclidcreekwatershed.org/events and friendsofeuclidcreek.com/events

View recorded online content here:

euclidcreekwatershed.org/programs/euclid-creek-online-presentations

For questions, contact Watershed Program Manager, **Elizabeth Hiser** (ehiser@cuyahogawcd.org).

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See page 8 to learn about this mussel shell recently found at the Wildwood Restoration site



Joe Newman Memorial Garden

Friends of Euclid Creek President's Letter by Kelly Butauski, FOEC President

Dear Environmental Friends,

This year started out much slower than we expected. We were still constrained in having in-person events, but we did accomplish many activities as we reached out to those in the Euclid Creek Watershed.

One of our most exciting events was the January rollout of our first website friendsofeuclidcreek.com. With the help of Vice President, **Steve McIntosh**, we can now get the word out better about our events, activities and environmental messages.

While staying inside we held three very informative Zoom presentations. You can see them on our website under the *Education* tab. Recordings are under *Events*.

Our Marketing Chair, **Jim Juknialis**, was busy also. Jim helped us develop our first podcast "Watershed Basics". Hear it on our website under "*Conservation*". Jim also taught us how to do mass mailings, in addition to twice hand-delivering our education materials to watershed city halls and libraries.

We did get outside with a masked, limited audience for a spring flower hunt in the Cleveland Metroparks Euclid Creek Reservation led by **Anna Kozlenko** and **Brian Gilbert**.

Friends of Euclid Creek (FOEC) volunteers helped with Euclid Creek Watershed Partner clean-ups and plantings throughout the summer.

We finally received our new EnviroScape education table that demonstrates how what we do on land affects our water. **Natalie Keyerleber**, Education Committee, successfully took it to several community festivals including Beachwood, Richmond Heights and South Euclid. Attendees loved it.

One of our most popular events was an in-person tour of **Friends of Euclid Creeks** Native Plant Garden and the **City of Euclid** Waterfront Trail, both in Sims Park.

Our last event of the year will be **Dr. Roy Larick** presenting on Moses Cleveland Trees in the Watershed.

We have a new Treasurer, **Rene Fonseca**, a very experienced business manager and active community volunteer. We are so pleased to welcome Rene to our board of directors!

Also of special note is our Conservation Committee. Led by **Esther Trepal**, these volunteers don't just pull invasive plants and pick up trash. They are innovating and executing citizen science projects. Something interesting is always going on in the **Dusty Goldenrod Wetland Preserve** (page 4).

Friends of Euclid Creek is looking for new board members and volunteers. If you would like to become involved with an active group of environmentally-concerned people like yourself, contact us at friendsofeuclidcreek@gmail.com. Sign up for our email updates at *Contact Us* on our website.

Friends of Euclid Creek is an all-volunteer environmental 501(c)(3) organization. For 20 years, we have been educating on how to improve environmental problems in the community. Simple actions such as foregoing chemicals in the yard and home, picking up litter and reducing plastic use can make a difference. From practicing simple actions to helping to restore wetlands, there is a role for everyone.

Be sure to visit us at www.friendsofeuclidcreek.com or email friendsofeuclidcreek@gmail.com. I hope you will join us.



FOEC uses our new EnviroScape watershed model at an outreach event at Greenwood Farm, Sept 2021.



FOEC leads tour of Native Plant Garden at Sims Park in Euclid, Ohio. Photo by Connie Herron.

Watershed Wildlife ~ The Critters Beneath Our Feet by Barb Holtz, FOEC Member

As a grandma making sure my grandkids grow up with an appreciation for nature, we turn over a lot of rocks and logs. We stop and study crawling things on or under the ground. Dirt offers endless opportunities to connect to what's in our watershed.

Soil is a living part of just about every ecosystem and reflects the health of that ecosystem. Diverse soil fauna creates layers beneath our feet, rarely seen, but still impacted by our actions above ground. Adjusting soil chemistry via fertilizers and toxins directly affects soil makeup. Ridding our yards of larvae and other invertebrates does not bode well for soil complexity and vigor. As water filters through adversely-affected soil to nearby creeks and rivers, we realize the watershed is not only affected by surface runoff but water percolated through soil.

Soil fauna work in support of soil texture, nutrient cycling, and aeration.

Let's meet some of these soil superstars:



Centipede

Lift a log or look or dig into leaves and you're sure to find a

centipede or **millipede**. Centipedes have one pair of legs per segment and millipedes have two pairs. While centipedes eat other soil creatures and millipedes consume dead leaves, both are important in aerating soil via tunneling and churning organic matter.



Millipede

Did you know **pill bugs**, or roly-polys, are related to

crayfish and have gills? Like millipedes, they munch on decaying leaves creating organic rich humus and oxygenating soil.



Pill Bug



Non-Native Earthworm

VILLAIN, not Super Star: Native earthworms were wiped out by glaciers more than 10,000 years ago. The earthworms we find today traveled west with European settlers. In your garden, these non-native earthworms churn soil providing nutrients to flowers and vegetables. In the forest, this churning homogenizes soil destroying important nutrient layers.

So many other macro and microscopic players call soil home. I've only scratched the surface. Take a moment as you travel the watershed to consider the wildlife beneath your feet. Everything above stands on their essential shoulders.

Go Native, Ohio. Because I said so by Deb Kramarz, FOEC member

Why not Go Native? It's so easy to do.

Our state no longer resembles the highly forested and wetland-covered landscape of its origin. Those of us in Northeast Ohio rely directly on the waters of Lake Erie - the most shallow and nutrient rich of the Great Lakes. The nutrients are great for Walleye, but not so great when excess phosphorus leads to algae blooms and toxic microcystins.

Native plants and trees help soak up and clean stormwater before it goes into our waterways and Lake Erie. They also provide the food and shelter needed to restore habitats and support wildlife.

Anyone can plant native plants in their own yards. So that's why I say 'Go Native'. To learn more, check out our evolving [Friends of Euclid Creek](#) demonstration native plant garden in [Sims Park](#) in Euclid and look for our Native Plant Sale there during Pollinator Week next June.



FOEC tends to the Native Plant Garden at Sims Park

Dusty Goldenrod Preserve Updates by Esther Trepal, FOEC Conservation Chair

As fall comes rolling in and outdoor activities lessen, it's a good time to look back at our activities over the spring and summer.

Managing invasives – some call it pulling weeds – is one of our big tasks at the [Dusty Goldenrod Preserve](#) (DGP), a 37-acre wetland in Highland Heights. For the past few years, we've been attacking the garlic mustard and Canada thistle. It's paid off with reduced populations this summer. But of course we face more challenges. Most notably Lesser Celandine, a robust invasive that chokes out native plants and is bedeviling the experts on removal.

We located a large patch of Lesser Celandine along one of the stream banks. Putting on our "citizen scientists" hats, the Conservation Committee set up an experiment on best methods of removal. In late spring, we tried applying a vinegar solution, torching the above-ground plant and physically removing plant tops and roots. We'll see how effective these methods are in early spring when the Celandine returns. Stay posted.

We are also monitoring plant populations inside and outside fenced areas to get an idea of the effect of deer browse on plant life in DGP. While total results are not in yet, we were happy to note

that the Dusty Goldenrod (*Solidago puberula*) plant population increased 15% year to year. Most of the plants were inside the deer enclosure and were quite robust. DGP is the only known place in Ohio where this plant is found.

Finally, we are working with the community on several projects. First, we entered into an agreement with [Holden Forests and Gardens](#) on seed collection and propagation. Second, we reached out to the neighbors of DGP with a newsletter to educate them on the benefits of wetlands and how they can be a part of protecting this unique preserve. And third, as stewards of DGP, we are participating in discussions of a Connectivity Plan in Highland Heights that could be routed through DGP as well as city property. Our goal is to ensure the biologic and hydrologic integrity of the area while making this parcel of land more accessible to the public.

This fall, we plan a clean-up that includes tree trimming, trash pick-up and tidying up the bird boxes. Maybe then we can settle down for the winter.

Stay tuned to our website for opportunities to help!

FriendsOfEuclidCreek.com

Click on The Watershed and scroll down to Conservation



Neil torches Lesser Celandine



Brian and Lisa survey Dusty Goldenrod

Conservation is for the Birds



Bluebirds ready to fledge

[Friends of Euclid Creek](#) conservation committee members installed bluebird boxes at the [Dusty Goldenrod Preserve](#) as this meadow habitat provides the perfect place to encourage bluebird rearing. Conservation committee member [Anna Kozlenko](#) has judiciously monitored the bluebird boxes this year and we are happy to report several species set up shop and successfully reared their young.

As nesting wanes for the year, Anna has cleaned all the boxes and we are excited to see who shows up in 2022!

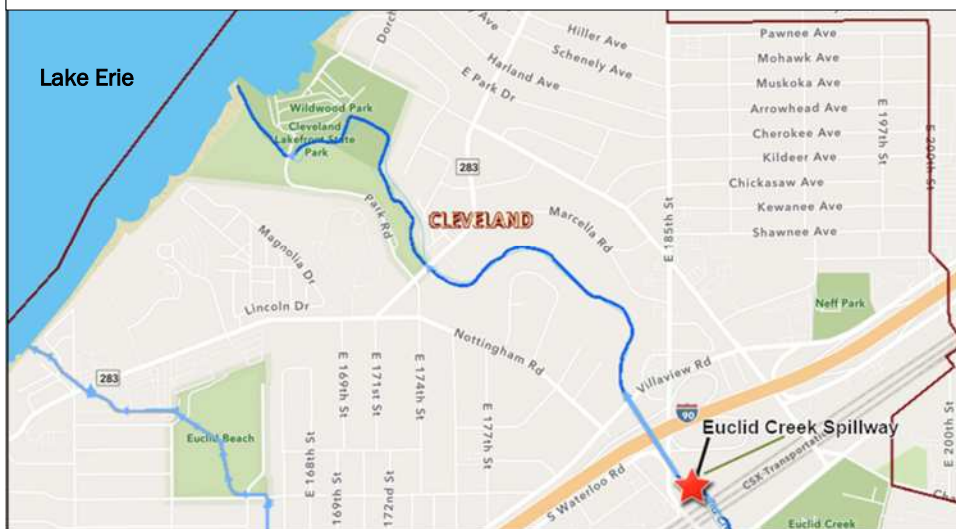
Over 65 species of birds were observed over the summer.

- Box #1 & #2 - Bluebird interest, but the House wrens ultimately made these boxes their home
- Box #3 - Success! 4 Bluebirds fledged
- Box #4 - 6 Chickadees fledged
- Box #5 - House wrens, likely fledged
- Box #6 - House wren nest

Euclid Creek Spillway Fish Passage and Aquatic Connectivity Project by

Jeff Jowett, Northeast Ohio Regional Sewer District

Map of Euclid Creek Spillway Location



The Euclid Creek Spillway is located approximately 1.5 miles upstream from where Euclid Creek enters Lake Erie in Cleveland, Ohio. This concrete drop structure was installed by the Ohio Department of Transportation in 1960 during the construction of the I-90 interchange at East 185th Street. The purpose of the spillway is not fully known, but the spillway was likely necessary to account for the change in stream slope resulting from the major stream realignment performed to accommodate the highway interchange.

The approximate 6-foot “waterfall” formed by the spillway is a barrier to fish passage. Removal of the spillway or improving fish passage over the barrier would open approximately 18 additional miles of open channel habitat for the 30



Euclid Creek Spillway

native fish species that inhabit Euclid Creek.

Euclid Creek is within the Cuyahoga River Area of Concern (AOC). The U.S.-Canada Great Lakes Water Quality Agreement identifies AOCs as locations where significant impairment of beneficial uses has occurred as a result of human activities. Restoring AOCs is an urgent focus of the Great Lakes Restoration Initiative (GLRI). The U.S. Environmental Protection Agency (USEPA) and other federal and state agencies are working with local partners to restore

U.S. AOCs in the Great Lakes basin. Degradation of Fish Populations and Loss of Fish Habitat are two (of seven remaining) impaired beneficial uses being addressed in the Cuyahoga River AOC. As such, addressing this barrier has been included on the Management Actions List for the Cuyahoga River AOC, as removing the barrier would contribute to restoration of the Great Lakes Ecosystem.

The Northeast Ohio Regional Sewer District (NEORS) has partnered with the U.S. Army Corps of Engineers (USACE) and the USEPA to develop a project to address fish passage at the spillway. The current recommended approach is to construct a more gradual, natural rock ramp up to the top of the spillway. This would reestablish fish passage without demolishing the existing structure. As part of the partnership, the NEORS is responsible for providing easements and/or rights-of-way necessary to construct and maintain the project. To gain construction and future maintenance access, we are seeking easements from three property owners along the spillway.



Map of Easements Needed for Spillway Project

Water Quality Monitoring Program Updates

By Meg Hennessey, Cuyahoga SWCD

The volunteers in the [Euclid Creek Stream Monitoring Program](#) have had a year to be proud of, continuing to sample and protecting our neighborhood streams despite COVID spikes, facility shutdowns, and ever-changing guidelines.

These dedicated citizen-scientists gathered data on a wide range of issues, adding to our knowledge of how Euclid Creek is affected by different land uses. Monitors sampled during storm run-off events, throughout winter, and expanded our program to measure *E. coli* levels in Euclid Creek and its tributaries.

This information can tell us things such as how the streams are affected by winter levels of road salting, how our stream has coped with greater park use due to travel restrictions, how the stream responds to restoration projects and what kind of wildlife habitats are available for aquatic life in Euclid Creek.

Special thanks to [Neil Barrett](#), [Esther Trepal](#), [MaryAnne Hejna](#) and [Howard Schemmel](#), who learned how to sample, incubate, and count CFUs (Colony Forming Units) of *E. coli* bacteria this year. This colorful and sometimes-stinky process complements interagency efforts to keep Euclid Creek safe to use.

Additional thanks to [Kevin Harrison](#) who completed our Train-the-Trainer course this year! We love to see our volunteers recruit more people to join our efforts— it's like a pyramid scheme, but for volunteers who help the watershed.

Thanks to our partners, the [Watershed Volunteer Program](#) of [Cleveland Metroparks](#), for helping fund and oversee this program. In particular, Citizen-Scientist Assistant [Breoni Turner](#) has led multiple trainings for volunteers throughout the year and remains a vital part of supporting our volunteer monitors. Only one training session is needed to join our program and sample on your own! Email [Meg Hennessey](#) at mhennessey@cuyahogawcd.org for details.

Thank you to all our 2021 monitors who have dedicated their time to Euclid Creek this year!

[Neil Barrett](#)

[Kirsten Bull*](#)

[Clark Button*](#)

[Steve Daly*](#)

[Claire Deaner*](#)

[Sue Diehm*](#)

[Laura Ferguson*](#)

[Alex Ford*](#)

[Brian & Karen Frederick*](#)

[Rebecca Fuller*](#)

[Kevin Harrison](#)

[John Hurst](#)

[Erika Kahn*](#)

[Jeanne & Stuart Pearl*](#)

[Howard Schemmel*](#)

[Elizabeth Smith*](#)

[Breoni Turner](#)

[Mark Tyron*](#)

[Patricia Tsevdos*](#)

[Esther Trepal](#)

[Fred Weber*](#)

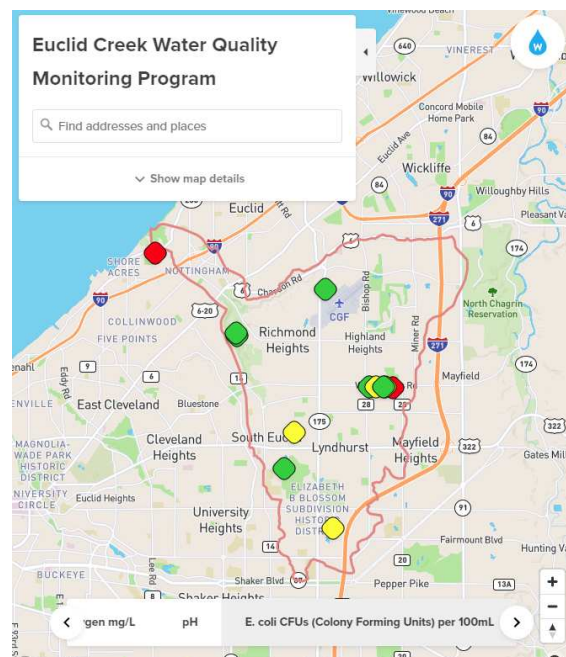
* Denotes new Monitors

Water Reporter

Interested in our results? Anyone can find our testing results through our [Interactive Data Map](#). This online map color-codes data based on whether the results meet water quality standards.

Users can click on specific stations and see which water quality parameters are high or low, browse through past results, and see how parameters trend throughout the watershed.

Go to EuclidCreekWatershed.org, click on [Euclid Creek Volunteer Monitoring Program](#) to check it out.



Map of most recent volunteer bacteria monitoring observations



Volunteers learning how to sample

West Branch Euclid Creek Mayfield Campus Restoration Project

Since 1908, [Mayfield Sand Ridge Golf Club](#), specifically the Mayfield Campus course and grounds, has occupied approximately 235 acres of the Euclid Creek watershed in Lyndhurst. As development has occurred upstream and around the Campus, the Creek has undergone changes, in part from increased runoff, but also from golf course management, riparian degradation, and bridge infrastructure. The Euclid Creek watershed at the end of the golf course drains approximately 3.63 sq. mi. (2,323 acres) of highly dense urban and suburban development. In developed areas like the Euclid Creek watershed, large continuous tracks of land, like those at Mayfield Campus, are of utmost importance and significance for watershed management projects due to their impact over long reaches of continuous stream channel and floodplain.

Watershed managers and golf course management are quickly realizing that traditional methods for stream and water management within golf courses are no longer working effectively. These methods structurally confine and manipulate streams, leading to the loss of all native, deeply rooted vegetation. This is a losing approach when dealing with new and shifting problems related to increased rainfall, development, flooding, erosion and sediment management.

To begin to address these issues, [Cuyahoga SWCD \(CSWCD\)](#) received funding from [Ohio Lake Erie Commission](#) in October 2019 to design a stream restoration project for the West Branch of Euclid Creek flowing through the Mayfield Campus golf course. Funding for this project is tied to improvement of fish

populations, benthic populations, and fish and wildlife habitat within the [Cuyahoga River Area of Concern](#) (of which Euclid Creek is a part).

The final design for this project was completed by [EnviroScience, Inc.](#) in June of this year. Given the limited construction window on an active golf course, it was proposed that the project is completed in three individual phases. Upon completion of all three phases, 5,950 feet (two banks) of poor-quality streambank will be regraded or relocated and stabilized using native plants and bioengineering techniques. Roughly 10.7 acres of existing riparian forest will be enhanced and treated for invasive plants, and roughly 3.7 acres of [rough](#) will be converted to native riparian forest or meadow.

[Rough refers to areas on a golf course outside of the fairways that generally feature higher, thicker grass.](#)

[Ohio EPA](#) has awarded [CSWCD](#) \$300,000 for construction of Phase 1 through their fiscal year 2021 319 grant program (which refers to the section of the [Clean Water Act](#) that authorizes the funding). The [Northeast Ohio Regional Sewer](#)

[District](#) entered into a project agreement with [CSWCD](#) to provide local match of \$59,463.

The most upstream of the three-phased restoration approach, Phase 1 of the West Branch of Euclid Creek Mayfield Campus Stream Restoration Project will restore habitat along 1,351 feet of stream channel and reconnect 1,368 feet of floodplain while converting a half-acre of rough to native grasses and controlling nearly 5 acres of invasive species.

[CSWCD](#) recently submitted a grant application to [Ohio EPA](#) through their fiscal year 2022 319 program for Phase 2 in the hopes both phases can be constructed in winter 2022/2023.

[Jane Goodman](#) created a great video for the [Cuyahoga River Area of Concern](#) on Euclid Creek Restoration Projects that features our Mayfield Campus project. You can find a link to this video on our website at: www.euclidcreekwatershed.org Click On: “Programs” and choose “West Branch Euclid Creek Mayfield Campus Restoration Project.”



[Project team walks Euclid Creek West Branch during design project to discuss issues and site constraints](#)

Watershed Wins Coming Our Way by Jennifer Grieser, Cleveland Metroparks

Win #1 - Euclid Creek Reservation: The [Euclid Middle School](#) was demolished earlier in 2021. Eventually the property will transfer to [Cleveland Metroparks](#), at which time staff will subsoil, rip and spade – a process referred to as *decompact* – over 5 acres of the site in order to prepare it for native tree installation. Volunteers and contractors will install 1,120 container trees & 100 larger balled and burlapped trees, respectively. Working with Professor [Stu Schwartz](#) from the [University of Maryland Baltimore County](#), [Cleveland Metroparks](#) will measure and monitor soil and tree performance related to the decompaction activities. **Be on the lookout for volunteer opportunities in spring 2022!**

Win #2 - Euclid Beach: In 2021, [Cleveland Metroparks](#) received a grant from the [Great Lakes Sediment and Nutrient Reduction Program](#) to modify five existing catch basins in the paved parking area at [Euclid Beach Park](#) to add 9,700 square feet of bioswales to capture and treat an estimated 2,554,914 gallons of stormwater per year. The project will also construct a 2,200 square foot containment area at the mouth of the stormwater outfalls that discharge directly onto [Euclid Beach](#). Sediment, pollutants, and debris carried in the

stormwater are currently being discharged onto the public beach area via these two stormwater outfalls. As a result of this project, the sediment, pollutants and debris will settle in the new bioswales and not enter the stormwater system. If any sediment and debris is discharged from the storm sewers, it will be captured in the containment area and will not reach Lake Erie. The project will be complete by the end of 2022.

Win #3 - Wildwood Restoration: Shells from the native mussel Giant Floaters (*Pyganodon grandis*) were found at the [Wildwood Park](#) restoration site this fall. The restoration site is providing key coastal habitat to this large and common lacustrine mussel species.

To make sure you can view these various wins firsthand, [Cleveland Metroparks](#) will begin work on the [Euclid Creek Greenway](#), which will eventually connect the main portion of Euclid Creek Reservation to the lakefront including a trail segment through the [Euclid Creek Middle School](#) site. The Park District will also begin work next year on the new Eastern Ledge Trail to connect a new property off Highland Rd in Richmond Heights to Welsh Woods Picnic Area, which includes a suspension bridge over the creek.



Conceptual Master Plan

Scale
0 20 40
July 2020

Euclid Creek Middle School Property

Euclid Creek Reservation

17.40 Acres



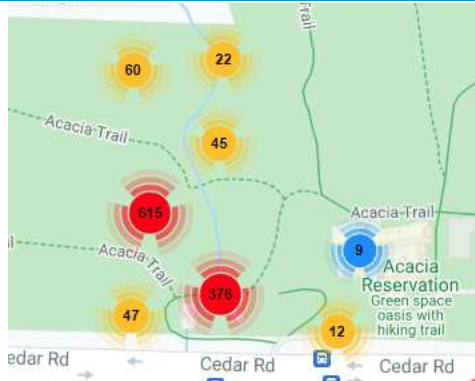
Acacia Clean-Ups and Litterati Trash Audit

Cleveland Metroparks staff and volunteers have worked hard the past few years to address litter in the Euclid Creek watershed reservations, hosting stream cleanups and working with Cuyahoga SWCD to rotate cleanups around the watershed on a bi-monthly basis, but in 2021 we focused efforts on [Acacia Reservation](#). This former golf course lies just downstream of where the West Branch of Euclid Creek “day-lights” or emerges from upstream pipes. The restoration area was designed to provide Euclid Creek access to the floodplain to store stormwater during precipitation events rather than sending it gushing downstream. Because this is the first naturalized area of the West Branch as it moves downstream, it is a hotspot for litter.

NOWCorps member [Evan Harms](#) and volunteer [Howard Simon](#) helped [Cleveland Metroparks](#) lead 7 cleanups this year at Acacia and removed over 50 bags of trash. To more accurately track litter data, [Cuyahoga SWCD](#) worked with volunteers at two of the Acacia cleanups to photograph every piece of litter and “tag” the *Object, Material*, and *Brand* in a mobile application called “[Litterati](#)”. We hope to use this data to make the waterway litter problem more visible to the public.

Euclid Creek Watershed-wide, 20 participants have picked up and tracked 4,135 pieces of litter using [Litterati](#) in 2021. A very heartfelt thank you to [Carol Toris](#), who led the way picking up 756 pieces - and still counting! 1,188 of the pieces tracked were collected at Acacia and users tagged 303 of those pieces.

[Mayfield Heights](#) business [Kerry](#) reached out to [Cuyahoga SWCD](#)



Map of litter pieces tracked at Acacia Reservation in 2021

looking for local volunteer opportunities this fall. To help with the trash audit, they offered to do a 2-hour [Litterati](#) trash blitz at [Beachwood Place](#) which is directly upstream of Acacia. Over the course of 2 hours, 5 volunteers picked up 1,395 pieces of litter, 548 of those received user generated tags. Though not all tagged or picked up due to time constraints, cigarette butts were by far the most observed item.

We have combined the litter data from these efforts with tagged data generated last year at Acacia to get a better picture of what sorts of trash we find at Acacia and the direct upstream vicinity. The majority of litter found is actually pieces of objects that are no longer identifiable (444 pieces - 27% of identified litter). 906 pieces of litter tagged were made

of plastic (56% of identified litter). 18% of identified objects found were wrappers and 13% were cigarette butts. 12% of materials identified were polystyrene (commonly referred to as the brand name Styrofoam).

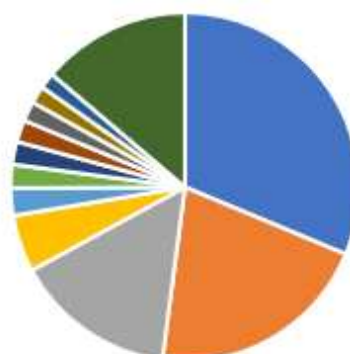
Based on the types of litter found, it seems reasonable to assume that this is actual litter, and not the result of overstuffed bins on trash day. We have a lot of work to do to stop litter at the source and prevent it from reaching the Acacia restoration area.

Do you have an innovative idea to reduce single use waste? We are all ears!

Does tracking litter data sound fun to you? [Cuyahoga SWCD](#) received a litter grant from the [Ohio Environmental Protection Agency](#) that allowed us to purchase and use “smart grabbers” to speed up litter audits. Cleanup volunteers will also receive take home items that encourage putting waste where it belongs. Join us at a scheduled or virtual cleanup or reach out to Elizabeth to help organize your own community litter “audit”! ehiser@cuyahogaswcd.org

Program Information: cuyahogaswcd.org/programs/stream-cleanups

2020-2021 Objects tagged near Acacia



■	piece	- 444
■	wrapper	- 295
■	cigarettebutt	- 213
■	bag	- 75
■	cup	- 36
■	straw	- 31
■	bottle	- 30
■	glove	- 29
■	can	- 26
■	candywrapper	- 23
■	lid	- 21
■	other	- 196

Euclid Creek Watershed Program
Cuyahoga Soil & Water Conservation District
3311 Perkins Ave., Suite 100
Cleveland, Ohio 44114
216-524-6580

Find Euclid Creek Online!

www.EuclidCreekWatershed.org

www.FriendsofEuclidCreek.com

Like 'euclidcreekwatershed' on Facebook

Follow 'ecwatershedprogram' and
'friendsofeuclicreek' on Instagram

Follow @EuclidCreek on Twitter

Only Rain Down the Drain

Euclid Creek Watershed Program & Partners

Euclid Creek Watershed Council

Composed of the **mayor** of each city that
participates in the ECWC or their official
designee.

Meets three times a year, approves Euclid Creek
Watershed Program Work Plan.

EUCLID CREEK WATERSHED COUNCIL

BEACHWOOD • CLEVELAND • EUCLID
HIGHLAND HEIGHTS • LYNHURST • MAYFIELD
MAYFIELD HEIGHTS • RICHMOND HEIGHTS • SOUTH EUCLID

Friends of Euclid Creek

An **all-volunteer** watershed stewardship
organization dedicated to ensuring the health of
the Euclid Creek watershed through educational
programs and assisting with partner restoration
projects.

FriendsofEuclidCreek@gmail.com

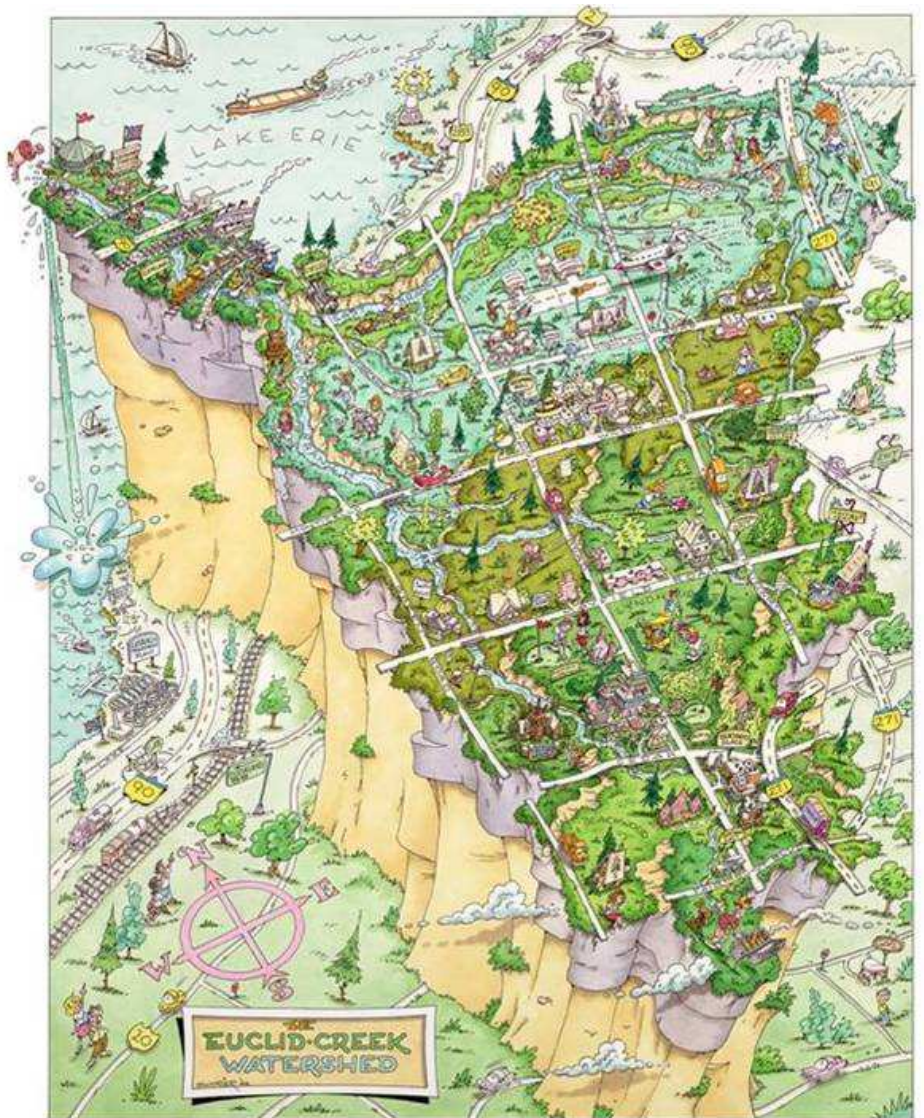


Cuyahoga Soil & Water Conservation District

Houses the **watershed program manager** and
watershed coordinator who help implement the
Euclid Creek Watershed Action Plan and act as
the liaison between the ECWC, FOEC, and
other watershed partners.

Watershed Program Manager, Elizabeth Hiser
ehiser@cuyahogawcd.org

Watershed Coordinator, Meg Hennessey
mhennessy@cuyahogawcd.org



A watershed is simply the land that water flows across or under on its way to any particular stream, river, or lake. The Euclid Creek Watershed encompasses 24 square miles, 11 communities, and 2 counties (Cuyahoga and Lake). Our program is directly supported by the efforts of: the Euclid Creek Watershed Council (ECWC), the Friends of Euclid Creek (FOEC) and the Cuyahoga Soil & Water Conservation District (SWCD).

Many thanks to Chagrin River Watershed Partners for their technical support and administration of the NEORSD Watershed Service Agreement on behalf of Euclid Creek



If you would like to [receive this newsletter electronically](#), sign up on the website, email, or call the Watershed Program Manager at ehiser@cuyahogawcd.org or 216-524-6580 extension 1002.

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Printed on



Join Us for a Public Meeting on
Euclid Creek Reservation
Proposed Trail Projects

**Learn About New Trail Projects to Connect Euclid Creek
Reservation with the Lakefront and Recent Eastern Expansion**

Wednesday, Dec. 8, 2021

6 - 7 p.m.

**Highland Picnic Shelter in
Cleveland Metroparks Euclid Creek Reservation**

Highland Picnic Shelter is south of Highland Road on the east side
of Euclid Creek Parkway in Euclid, Ohio 44143 (41.5613, -81.5324)

Please dress for the weather as the meeting will be in-person and outdoors

View maps and find out more at www.clevelandmetroparks.com/EuclidCreekTrails



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