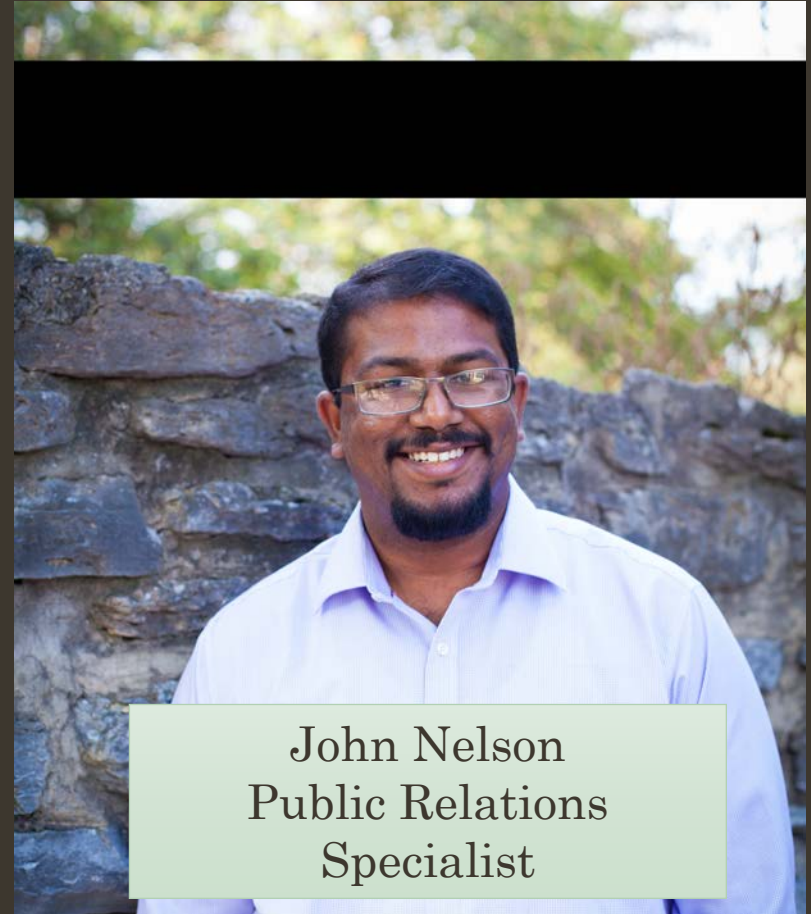


Urban Water Quality Education and Outreach

Hamilton County Soil and Water Conservation District



Presenter



Today's Topics

- Public Events
- Caring for Our Watersheds
- The Regional Storm Water Collaborative
- Cover Crop
- Tree Program



Public Events



Public Events

- 65+ Public Events Annually
- Audience - Few hundred to 50,000
- Free conservation games to win giveaways.



Benefits of Public Events

- One on one interaction
- Target specific topics
- Brand recognition
- Improves relationship with partner jurisdictions



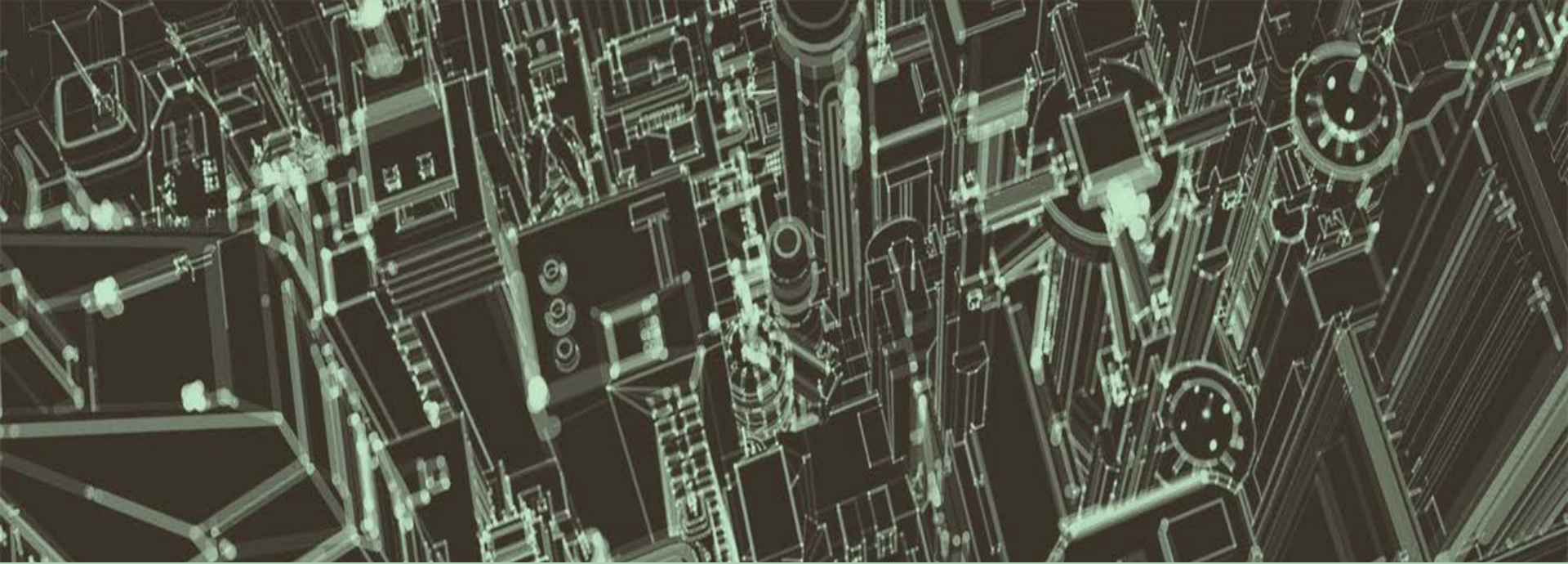
Conservation Games

- Conservation Corn Hole
- Wheel of Conservation
- Conservation Golf



Some other displays and activities





Caring for Our Watershed



Caring For Our Watersheds

- Sponsored by Agrium Inc., Facilitated by Hamilton County Soil & Water Conservation District and the Environmental Education Council of Ohio.
- High School Competition
- \$10,000 prize money for the top 10 teams
- An additional \$10,000 available for implementation of the winning idea



CFW Sights & Sounds



CFW Project Implementation



Regional Storm Water Collaborative

- aka SaveLocalWaters.org
- A collaborative effort
- Mass media and public events



Video Advertisements

<https://www.youtube.com/watch?v=3fj8a45CqwA>

<http://www.hcswcd.org/uploads/1/5/4/8/15484824/ccslwsdhd.flv>

Video Advertisements

<https://www.youtube.com/watch?v=Lft7DJsSM88>

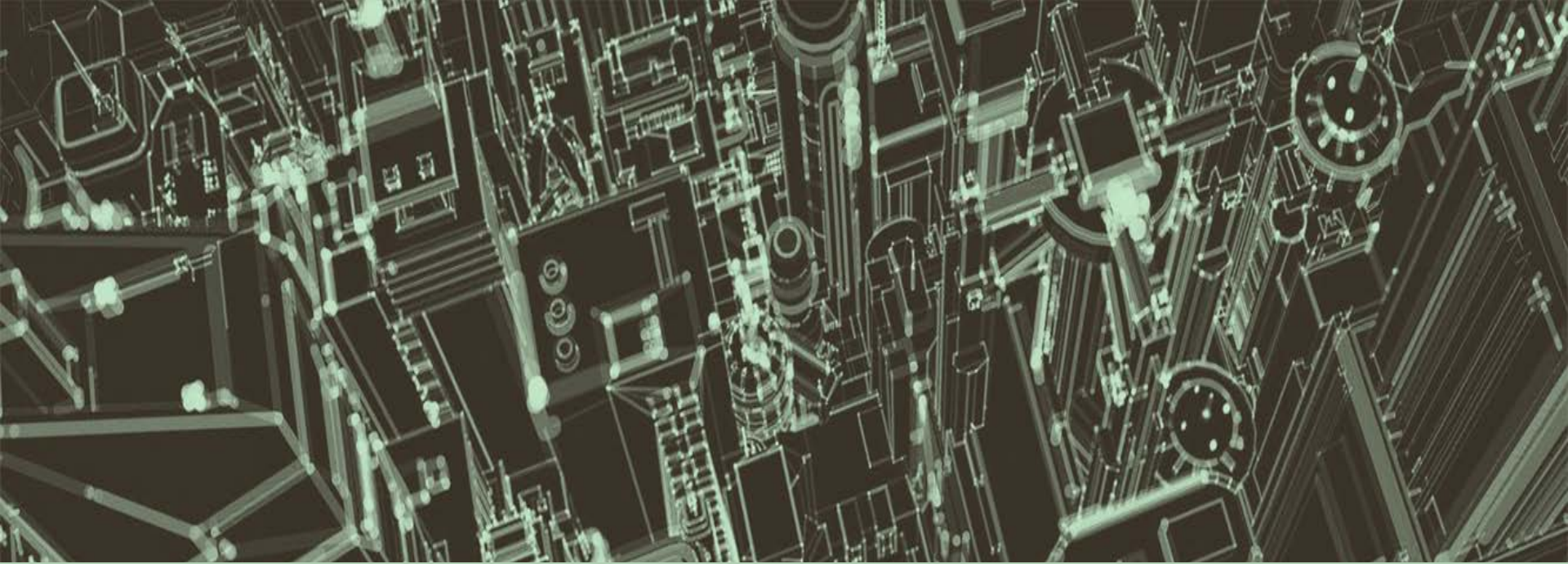
<http://www.hcswcd.org/uploads/1/5/4/8/15484824/audrey.flv>

Rain Barrel Art Project

- One – One
- Mass Media
- Touch and interact
- Partnership
 - Schools
 - Zoo
 - Media Agencies



<http://www.hcswcd.org/uploads/1/5/4/8/15484824/hamsoilwaterspot2.flv>



Cover Crop Study



Great Miami River Water Quality Lab

Registering
samples

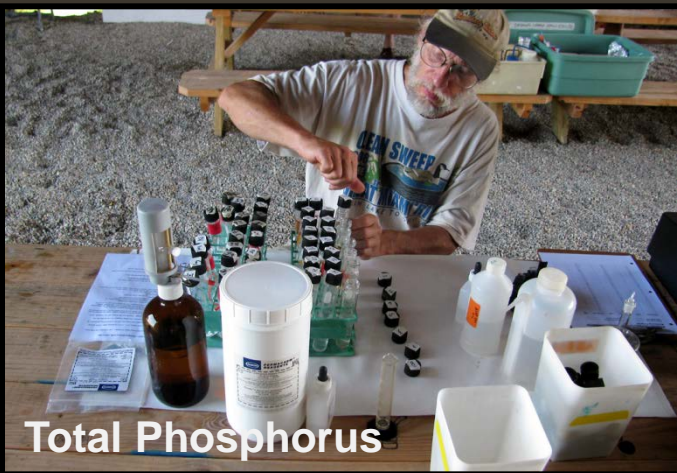


Conducted 11 Events w/ 325 participants

In partnership with

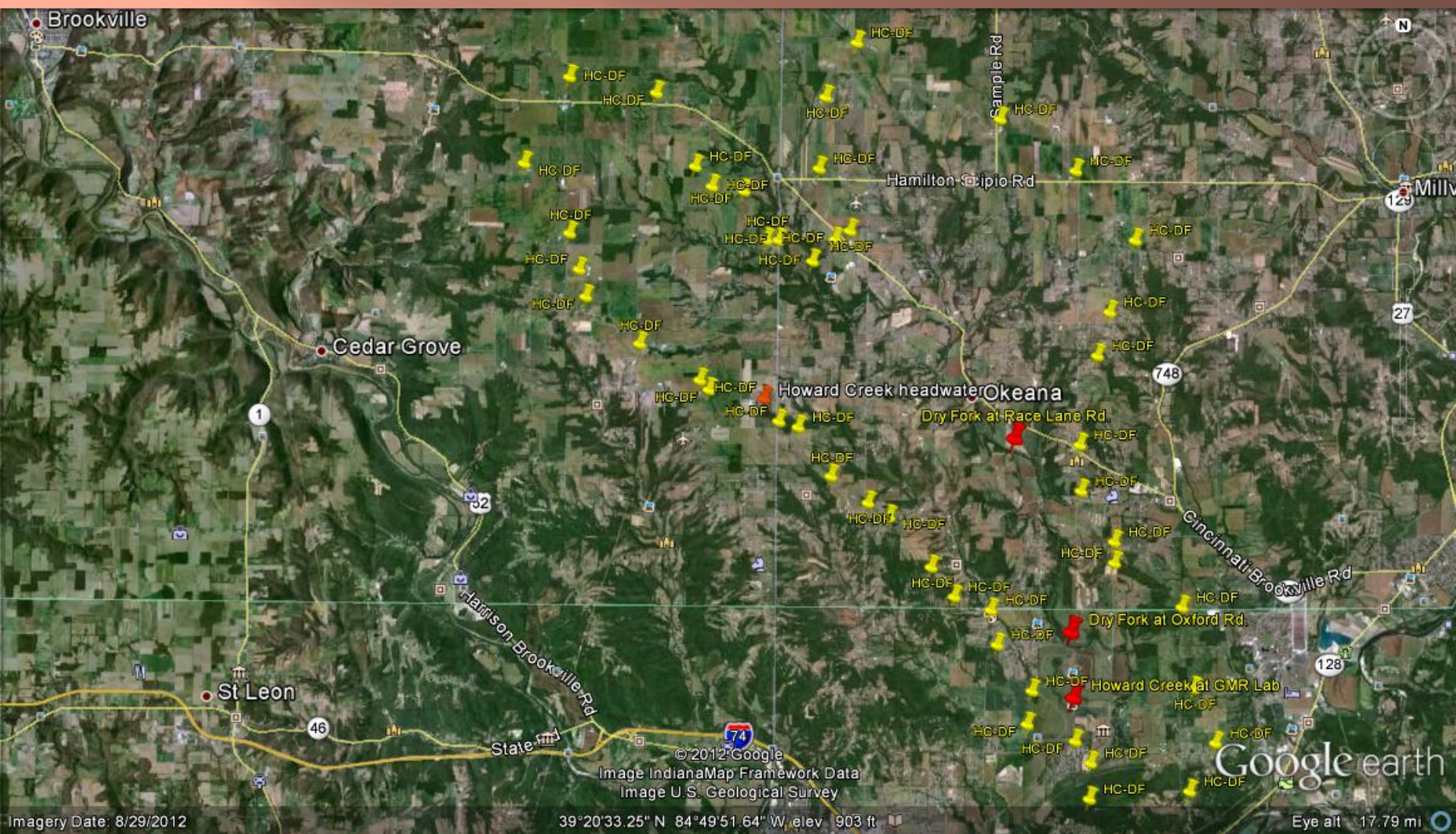
- Rivers Unlimited
- Friends of the great Miami
- University of Cincinnati
- Hamilton Co. Parks.

Total Phosphorus



Nitrate
Nitrate





Dry Fork/Whitewater River Watershed and Stream Restoration Project Monitoring

**Dry Fork Whitewater River flowing through Miami Whitewater Forest, Crosby
Township,
Western Hamilton County
Three Year Study**

- **Provide some Cost Share for aerial application of Cover Crop on four farms = 400 acres.**
- **Monitor soils and streams on a yearly basis to evaluate impact**



**Dry Fork Creek – West Rd.
October**



**Dry Fork Creek – West Rd.
November**



**Dry Fork Creek – Oxford Rd.
Stream Restoration Site**

Dry Fork Whitewater River Watershed Cover Crop Project Soils and Water Quality Monitoring Project Goals

- **Based on Soil Test - Assist 4 farmers in determining appropriate fertilizer nutrient content and cover crop seed mix.**
- **Possible cost share in partnership with the NRCS to apply cover crop over 400 acres of corn and soybean fields for a 3 year period.**
- **Monitor soils on a yearly basis to evaluate changes in nutrient content.**
- **Monitor in-stream water quality upstream and downstream of cover crop lands to evaluate any reductions in nutrients, sediments and algal matter as a result of the conservation practices.**



Cover Crop

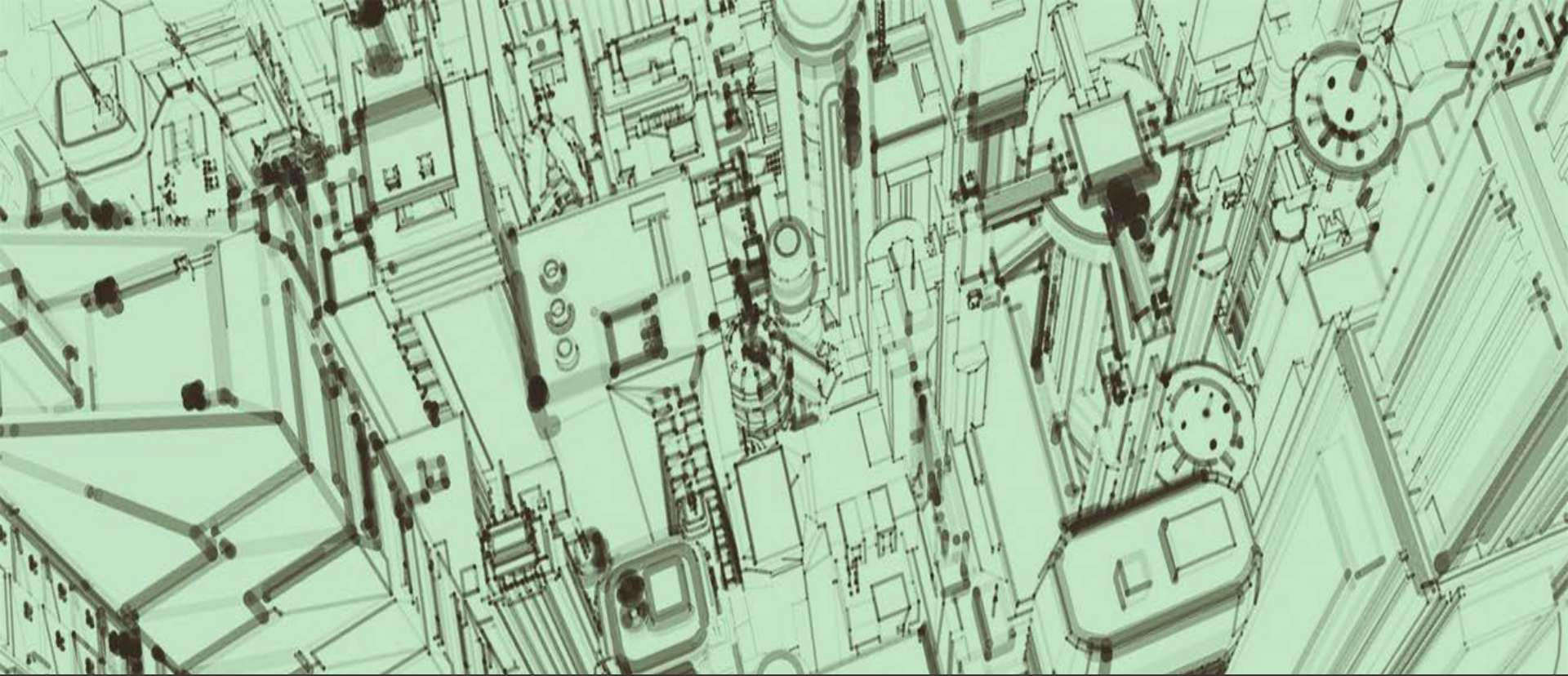
- A cover crop is
- grown to benefit
- the soil and/or
- other crops in a number of ways.
 - reduced soil erosion
 - improved soil quality
 - reduced weed pressure
 - reduced insect and other pest problems



Aerial Seeding

<https://www.youtube.com/watch?v=eFCLgw6RHgA>

http://www.hcswcd.org/uploads/1/5/4/8/15484824/cc_seeding.flv



Tree Program



District Tree Program

- 300 Trees were made available
- Over 800 orders received
- Distributed at a Hamilton Co. Park during their fall plant sale

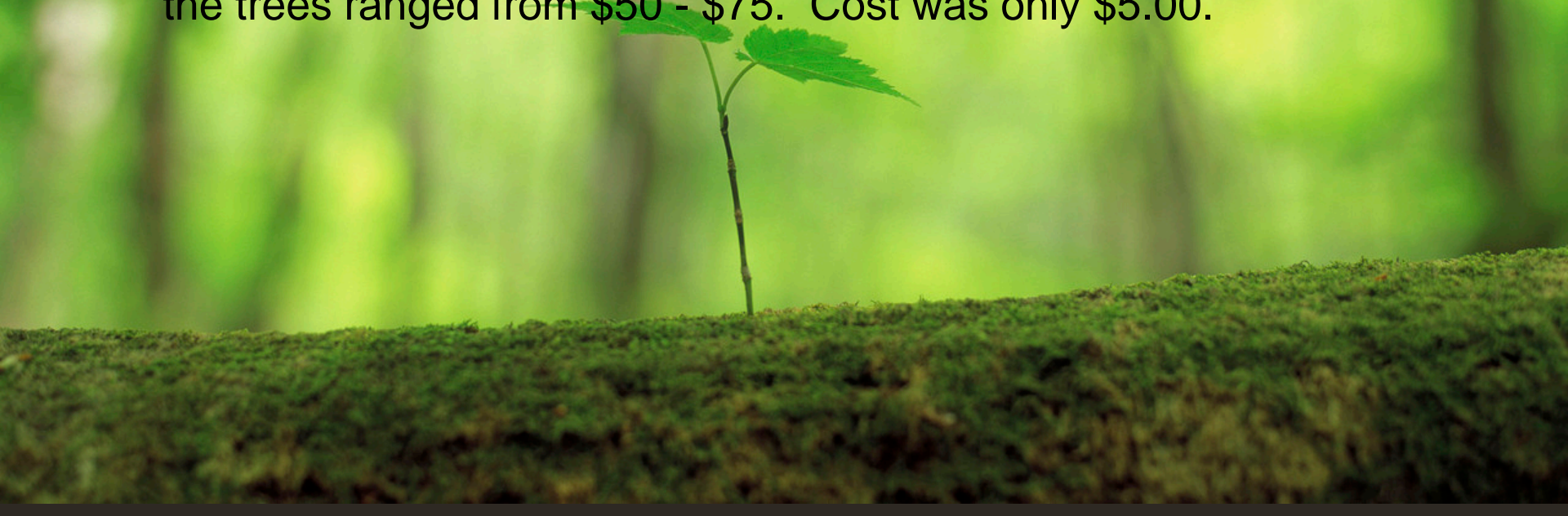


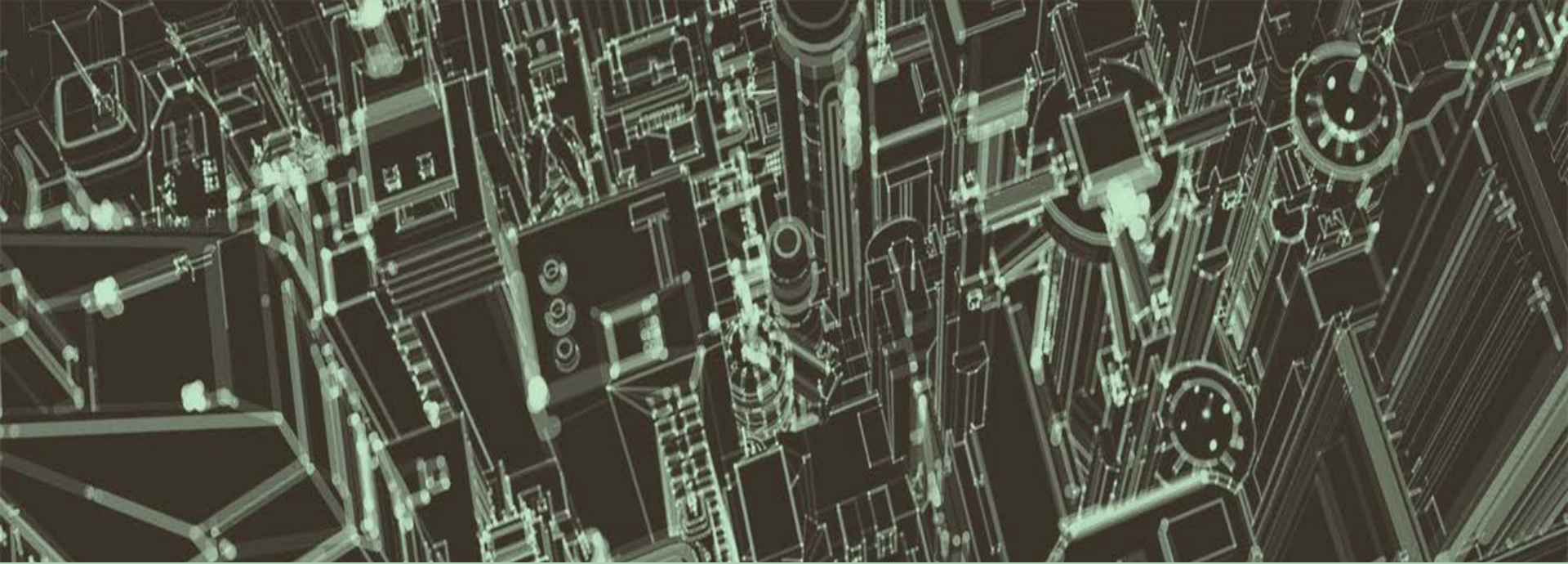
Buffer Tree Planting Along Great Miami River



Regional Reforestation Effort

- SWCD has joined the regional efforts of Taking Root and Releaf Cincinnati to inspire our County to better preserve and maintain existing trees, and to plant two million new trees—one for each citizen in the region—by the year 2020.
- Landowner could order one, 5 to 7 Gal. containerized tree that is 1 1/2 inch caliper and approximately 4 – 7 feet tall. Retail value of the trees ranged from \$50 - \$75. Cost was only \$5.00.





Conclusion

Thank you!

