

# CrossSection



SUMMER!  
FALL

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## Lake Erie Starts Here

Your home is the first line of defense for the health of Lake Erie!

Rain and snow melt that runs over your property and into the stormdrain or ditch goes to our waterways untreated. This runoff carries stormwater pollutants such as fertilizers, pesticides, dog waste, winter road salt, oil and gas, litter, eroded soil, and so much more.

You may have seen the *Lake Erie Starts Here* logo on posters, brochures and even on the digital display over Route 91 by the Lake County Captain's stadium!

This design started as a storm sewer stencil created by Northeast Ohio artist Laurie Garrett. She sent us her explanation of how this project got started: "Stenciling the streets of the Grant Deming Neighborhood of Cleveland Heights was the brainchild of Susan Miller and Carla Rautenberg. It's a brilliant way to get the message across to anyone walking or driving past a storm sewer that protecting our natural resource, Lake Erie, starts on the streets where we live. The stenciling above each storm sewer states simply: Lake Erie Starts Here. Designing the stencil was a pretty straightforward assignment. The design needed to be simple and bold, in order to get the message across clearly and to catch the attention of pedestrians and drivers. I hope that it has achieved that goal and that stenciling the streets spreads to other neighborhoods."

*For more information on how you can reduce stormwater pollution in and around your home, check out one of the poster stands in public buildings around the county or attend one of our upcoming workshops.*



125 E. Erie St., Painesville, OH 44077  
 Phone: 440-350-2730  
 East End: 428-4348 ext. 2730  
 West End: 918-2730  
 I-800-899-LAKE ext 2730  
 Office Hours: Mon.-Fri. 7:30 am-4:00 pm  
 E-mail: soil@lakecountyohio.gov  
 Website: www.lakecountyohio.gov/swcd

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 LARRY KLCO (2017), North Perry, Vice Chair  
 DICK KENNELLY (2016), Willoughby, Secretary  
 JEN SMYSER (2018), Concord, Treasurer  
 JEFF HYRNE (2018), Madison Twp., Fiscal Agent

**Member of:**  
 Lake County Farm Bureau  
 Nursery Growers of Lake County Ohio  
 National Association of Conservation Districts  
 Ohio Federation of Soil & Water Conservation Districts

## Workshops & Events

### Landscaping for Lake Erie Cost: \$15-20.

Wed., Oct. 5, 7-8:30 pm, The Holden Arboretum  
Register with The Holden Arboretum at  
holdenarb.org or by phone at 440.602.3833.

### Cover Crops for Clean Water Cost: \$15-25

Sat., Sept. 10, 10-11:30 am, The Holden  
Arboretum

Register with The Holden Arboretum at  
holdenarb.org or by phone at 440.602.3833.

### Lake County Fair

Aug 17-21

Come see Lake SWCD and other conservation  
organizations in the Natural Resources Building!

### FARMAFARE: a celebration of local food Lake SWCD's Annual Meeting and Election

Fee: Dinner \$50/ticket; Election Only: FREE  
Thurs., Sept 15, 6-10 pm, The Holden Arboretum  
Registration required. Call Lake SWCD to register,  
440-350-2730.

### Cleveland Pollinator Symposium Cost:\$65

Sat., Oct. 22, 8 am-5 pm, Squire  
Valleevue Farms, 37125 Fairmount  
Boulevard, Hunting Valley, OH  
44022

Registration required. Natalie Gertz-  
Young, Lake SWCD's Education  
Coordinator is a featured speaker. To register call  
(216) 337-2689 or visit [www.BikesBeesButterflies.org](http://www.BikesBeesButterflies.org)  
to download registration form.



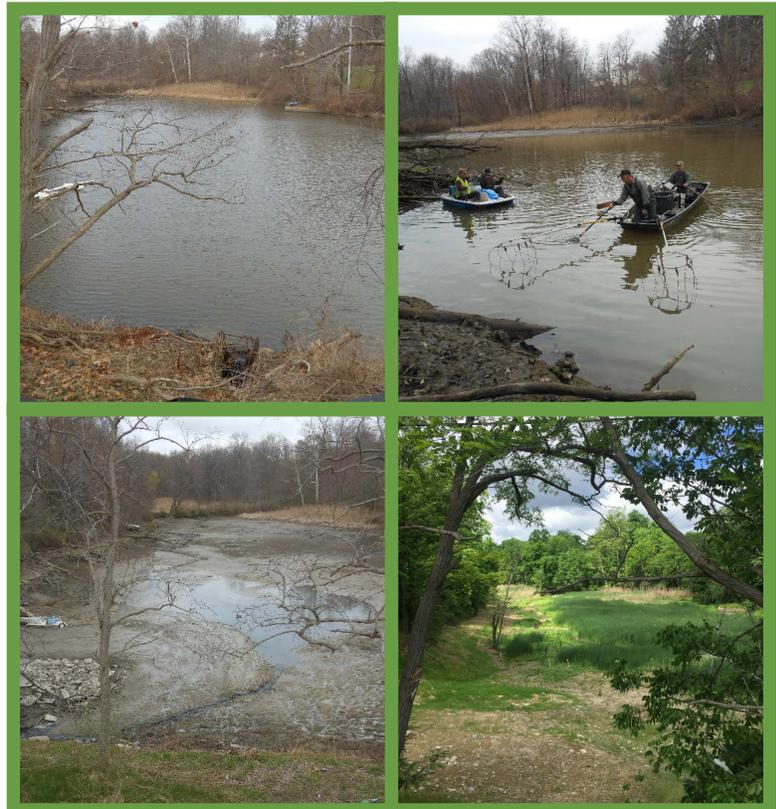
# Morley Road Dam Removal and Stream Restoration

Heather Elmer, Executive Director, Chagrin River Watershed Partners

The Morley Road dam just north of Ridgewater Drive in Concord Township was built around 1938 as part of a Works Progress Administration project to construct a reservoir (known as L'Alouette Plume Lake), presumably to support the local nursery industry. In 1960 the Ohio Department of Transportation (ODOT) constructed State Route 44 and an access slip ramp east of Morley Road and the dam. Construction of the SR 44/SR 84 interchange resulted in the filling and raising of Morley Road over the dam, placing the structure under the Ohio Dam Safety Program's jurisdiction as a Class III dam.

In 2013, Lake County Engineers discovered an active sinkhole and a collapse in the spillway culvert and contacted the Ohio Department of Natural Resources (ODNR) Division of Soil and Water Resources. The agency determined that the sinkhole threatened the safety of Morley Road and the dam, and requested that the dam owners bring the dam into compliance with dam safety laws, drain the lake and remove the dam, or lower the dam embankment to become exempt from state regulations. The dam and lake owners, Lake County and ODOT were supportive of draining the lake, removing the dam and restoring natural stream flow.

In 2015 Lake County secured an Ohio Environmental Protection Agency (EPA) Section 319 grant to restore the dewatered lake to a natural stream. Matching funds were provided by ODOT to modify the dam structure and install a new culvert. Chagrin River Watershed Partners assisted Lake County with obtaining the Ohio EPA grant and implementing the restoration project.



Photos clockwise starting at top left: L'Alouette Plume Lake before dam removal; Biologists rescue the lake's fish for release in Cleveland Metroparks properties; Dewatered lake with stream channel starting to establish; The completed project.

Continued on Page 5



# FARMAFARE

*a celebration of local foods*

*a farm-to-table dinner prepared by local chefs & beverages produced by local wineries and breweries!*



**Lake County Soil & Water  
Conservation District**

Annual Meeting  
Thursday, September 15, 2016  
The Holden Arboretum  
Cocktail hour and polls open at 6, Dinner at 7



**Tickets are \$50 per person.** Additional fees may apply for credit card payments

**To pay with cash or check, stop in the office or mail in your payment. All credit card payments registered through **Eventbrite****

ONLINE

<http://bit.ly/29Z7kLo>

or

[www.lakecountyohio.gov/swcd/farmafare](http://www.lakecountyohio.gov/swcd/farmafare)

EMAIL

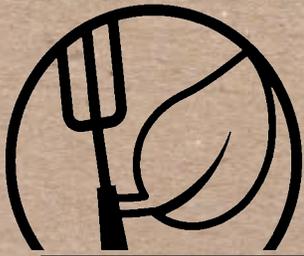
[soil@lakecountyohio.gov](mailto:soil@lakecountyohio.gov)

PHONE

440-350-2730

*Special thanks  
to our sponsors*





# FARMAFARE

*a celebration of local foods*



**Richard (Dick) Kennelly** was born in Lake County, and attended the Willoughby/Eastlake School System. He currently works in Information Technology. Dick is a lover of the outdoors and a defender of our beautiful county. He has been a VIP guide

with The Holden Arboretum for over 15 years, contributing member of Burroughs Nature Club, President of the Western Reserve Resource Conservation and Development Council, and is an Ohio Certified Volunteer Naturalist. He currently serves as Secretary on the Lake County Soil and Water Conservation District Board of Supervisors



**Steve Reynolds** is currently an Associate Professor of Biology, and previously was the Dean of the School of Natural Sciences & Mathematics, at Lake Erie College in Painesville. He is an aquatic ecologist with 20+ years of teaching and research experience. His

research interests are in functional ecology and water quality, particularly, the impacts of heavy metals and non-point source pollution on stream fish and insects. Dr. Reynolds lives in Mentor with his wife and two small children. With them he enjoys musical evenings on the front porch, playing in the yard, and, as time allows, exploring Lake County and NE Ohio.

*The Board of Supervisor's election will take place during FARMAFARE on September 15th starting at 6 pm at the Holden Arboretum. A ticket is not required to vote.*



To pay with cash or check fill out this form and return to Lake SWCD.  
Tickets are \$50 per person

Name (of all attendees) \_\_\_\_\_

Address (please give community of residence) \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Number of Tickets \_\_\_\_\_ Amount Enclosed \_\_\_\_\_

# Growing Green on Main Street

Maurine Orndorff, Lake SWCD Watershed Coordinator

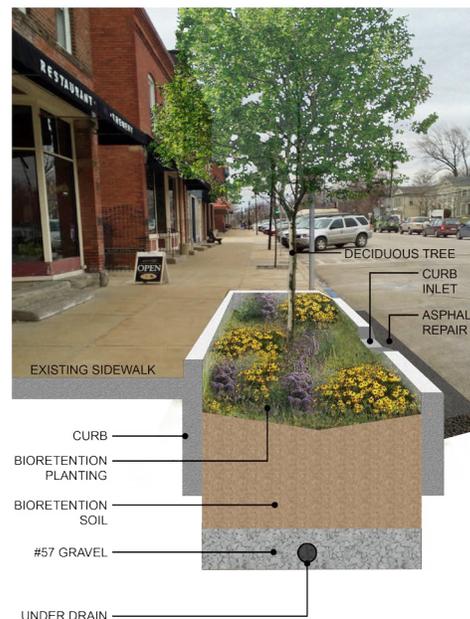
*Growing Green on Main Street* was recently constructed in the business district of Madison Village on Main Street to help address issues of flooding and impairment of water quality from stormwater runoff. It is the first project to be completed as a result of funds made available due to the endorsement of the Watershed Action Plan in 2013.

It is comprised of nine Bioinfiltration cells (commercial rain gardens), trees and pervious pavers and is approximately 500 linear feet in length. The purpose of the project is to intercept stormwater runoff and allow it to soak into the soil, rather than having it hit impervious surfaces, run off, flood downstream channels and carry pollutants such as oil, sediment and salt into Arcola Creek. In the rain gardens, runoff will soak into the ground and the plants and trees will absorb additional water. Rainwater hitting the pervious pavers that are installed in between the rain gardens will soak into the ground through the spaces between the brick pavers. The water is cleaned of pollutants as it passes through the soil.

The project was funded by the Ohio EPA Surface Water Improvement Fund (SWIF), with match provided by the Lake County Stormwater Management Department. It was designed by CT Consultants, the Village Engineer and constructed by Brookside Construction Services, Inc. of Medina. The project was completed in the end of June.

The project has transformed the appearance of the business district of the Village as well, demonstrating the multiple benefits of stormwater management.

Madison Village Administrator Dwayne Bailey said the *Growing Green* project was a win, win situation. “The project will not only minimize flooding and improve water quality, but it will beautify the area with trees and greenery. It’s sustainable and natural. Best of all, with the SWIF grant and matching Stormwater funds, we didn’t have to take money from the general fund.”



Photos Top: Project rendering from plan. Left: Main Street before excavation of Bioinfiltration cells. Right: The completed project.

## Morley Road Dam Removal and Stream Restoration Continued from Page 2

After the lake was dewatered, a stream channel began to naturally establish, possibly in the same location that it historically flowed. An adaptive approach was used to stabilize the stream and reduce erosion of unstable sediments in the former lake bed. A series of riffles and a drop inlet structure were constructed to stabilize and restore 603 linear feet of stream channel and over 1,200 native plants were planted along the streambanks and in the floodplain. This restoration will reduce erosion and improve habitat and water quality in this tributary to Kellogg Creek.



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## From the Farmer, to Your Table

### Cast Iron Skillet Cornmeal Coffee Cake with Summer Berries

#### Ingredients

##### Crumb topping

- 1/3 cup packed light brown sugar
- 1/2 teaspoon ground cinnamon
- 1/4 teaspoon salt
- 4 tablespoons unsalted butter, melted
- 3/4 cup all-purpose flour

##### Cake

- 1 cup unsalted butter, room temperature
- 3/4 cup sugar
- 1 1/2 tsp kosher salt
- 2 large eggs
- 1/4 cup maple syrup
- 1 tbsp vanilla extract
- 1 1/2 cups all purpose flour
- 3/4 cup cornmeal
- 2 1/4 tsp baking powder
- 3/4 tsp baking soda
- 1 cup + 2 tbsp buttermilk
- 1/2 cup + 1 tbsp ricotta
- 1 cup fresh berries
- Lightly sweetened whipped cream, for serving, optional

*This coffeecake goes perfectly with summer berries and lazy weekend mornings. Bonus points if you use local cornmeal, eggs and dairy products!*

#### Instructions

Heat oven to 350° F. Lightly grease a well-seasoned, 10-inch cast iron skillet.

In a stand mixer fitted with the paddle attachment, cream together the butter, 3/4 cup sugar, and salt on medium-high speed until light and fluffy, about 3-4 minutes. Add in the eggs, one at a time, mixing well after each. Scrape down the sides of the bowl.

With the mixer on low speed, add in the maple syrup, and vanilla. Mix until combined. Stop mixing and pour in the flour, cornmeal, baking powder, baking soda, buttermilk, and ricotta. Mix slowly, just until combined.

Scoop the batter into the pan and spread evenly. Top with the berries. Sprinkle with the crumb topping. Bake until a cake tester comes out clean, about 1 hour and 10 minutes. Let cool for 15 minutes in the pan before serving.

