



Thames River

PHOSPHORUS REDUCTION COLLABORATIVE

Thames River Phosphorus Reduction Collaborative Webinar

September 3rd, 2020

11 am EST

Lessons Learned from Canada and the US

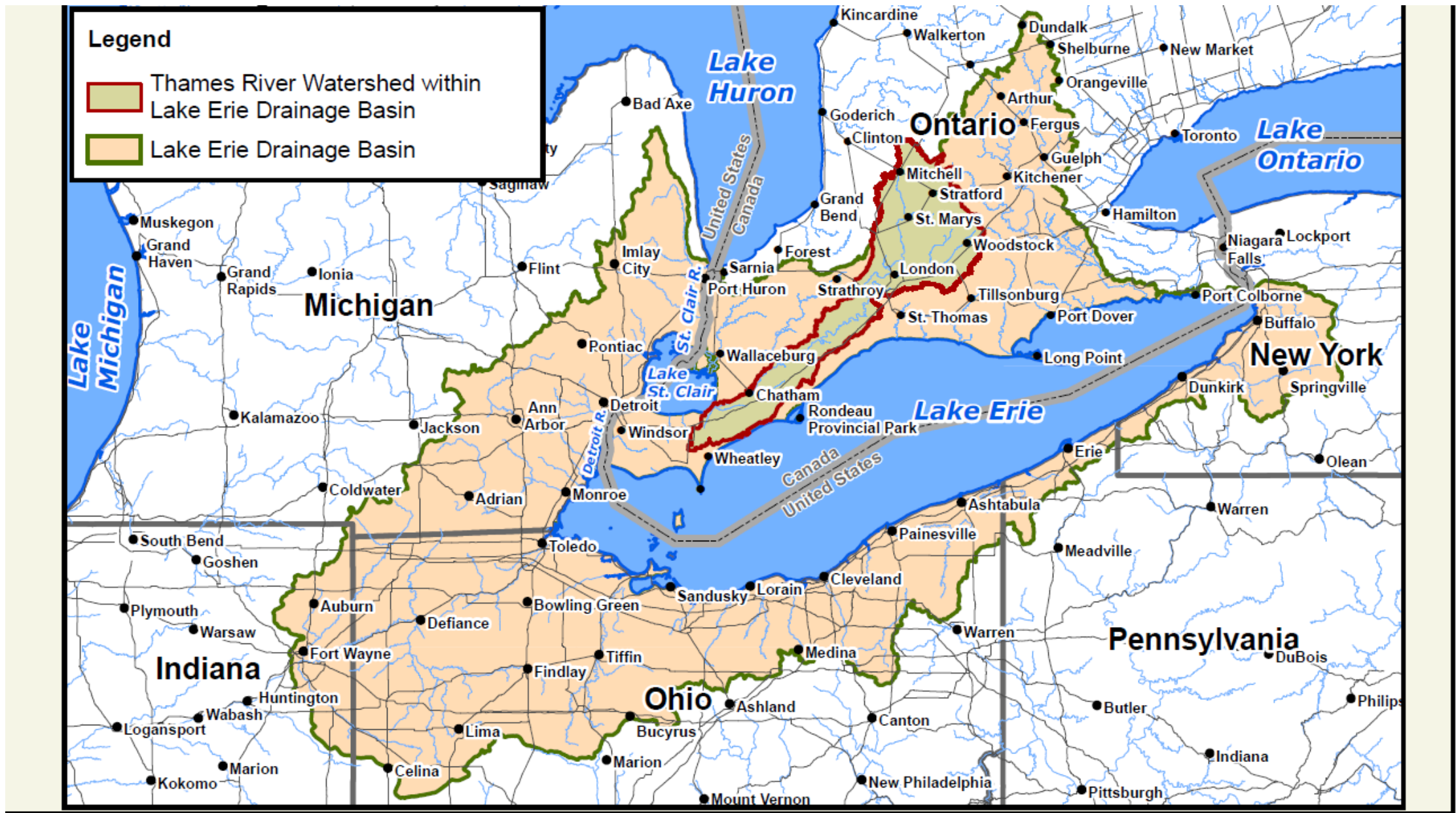


Administrative Matters

- Charlie Lalonde, Thames River PRC is your coordinator
- A few tips
 - Mute your phone
 - Use the chat box to comment or ask a question
 - Questions will be answered at end of presentations as selected by Charlie
- Webinar will be recorded and presentations shared on:
 - www.thamesriverprc.com website

Welcome - Clare Latimer

- **Councillor, Municipality of Chatham-Kent**
- **Co-chair of the Thames River PRC**
- **Representative for Chatham-Kent on the Great Lakes - St Lawrence Cities Initiative**
- **Both Chatham Kent and GLSLCI have been strong supporters of the Thames River PRC since 2017**
- **Bridging both urban and agricultural issues to address phosphorus loss reduction in Lake Erie**
- **Thames River is a priority watershed for P reductions**



Water Quality Issues

- Lake Erie algae blooms
- Blue-Green Algae - cyanobacteria are harmful and threaten drinking water supplies and harmful to fish and pets
 - Toledo 2014
 - Thames River 2019, 2020
 - Lakes everywhere every year!
- Water quality monitoring by health authorities
- Difficult problem and we need to work together to solve it
- Today is an excellent example of collaboration

Moderator: Clare Latimer, Councillor, Municipality of Chatham-Kent

11:00 Opening remarks

11:10 U.S. presentation

Dr. Chad Penn, USDA ARS on farm projects in Ohio

11:30 Q&A using the Chat icon

11:45 Canadian presentations:

Dr. Rob Stephenson, Muddy River Incorporated, phosphorus removal from surface water and livestock manure

Ryan Carlow, Lower Thames Valley Conservation Authority, farm projects

Craig Merkley/Brad Glasman Upper Thames Region Conservation Authority, farm projects

12:45 Q&A using the Chat icon

12:55 Concluding remarks - Mark Reusser, Vice President, Ontario Federation of Agriculture

Presenters

Dr. Chad Penn, National Soil Erosion Research Lab, USDA

Chad does research in nutrient transport, phosphorus removal structures, thermodynamics of sorption, calorimetry, waste materials, soil, agricultural, and environmental chemistry, and Environmental Science.

Dr Rob Stephenson, Muddy River Technologies Inc.

Rob applies chemical engineering principles to develop simple and effective ways to treat wastewaters of all types, and currently has a project supported by the PRC.

Presenters

Ryan Carlow, Lower Thames Valley CA

Ryan is a soil and water quality technician participating in monitoring and reporting on several projects in the region.

Tatiana Lozier, Craig Merkley and Brad Glasman, Upper Thames River CA

Tatiana, Craig and Brad work together as a team implementing various on-farm projects to capture phosphorus from agricultural runoff

Mark Reusser, V.P. Ontario Federation of Agriculture

Mark is co-chair of the PRC and has served on the Board of the OFA since 2014. Mark is a poultry producer from Waterloo county.

Thamesriverprc.com for more information



Removing Phosphorus from Agricultural Water Runoff

A Great Lakes Protection Initiative

This project was undertaken with the financial support of:
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Environment and
Climate Change Canada

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