

Monday
Sept. 19, 2022

MAITLAND

Watershed Health Partnership



Maitland Members' Tour 2022 Watershed Health

This year our Maitland Members tour includes a trip to an historic site in the community of Lucknow where a partnership was formed between a local family and Maitland Conservation.

Our tour site was once the operating location of the first mill in Lucknow, which was decommissioned in the mid-1900s. Later the Jakobsens who operate Protekta (<https://protekta.com/>) from the site bought the property.

The Jakobsens saw significant erosion along the east bank near the highway bridge and noted wash water from the parking lot was creating water quality problems. The site had become overgrown with invasive problem plants like Giant Hogweed. Although the Jakobsens' had tried herbicides and removal, the invasive vegetation continued to thrive.



Lasse Jakobsen digs in shrubs to create an erosion bench along Dickies Creek. Using native shrubs can stop erosion along creeks while creating habitat for wildlife and pollinators.

An Ecological Approach

Watershed Health Assessment used to find solutions

Lasse Jakobsen convinced his family a new ecological approach was needed to help solve site problems. In 2020, the Jakobsen's and Maitland Conservation formed a partnership to develop a plan that addressed landowner concerns and ecosystem needs.

By working in collaboration with the Jakobsen's and other partners, Maitland Conservation is effectively coordinating a cost-efficient conservation service.

Partnership outcomes include:

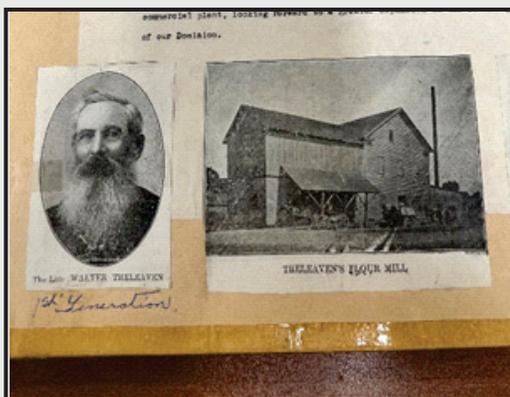
- Site solutions involving planting plans, bench design and sourcing materials;
- Reducing bank erosion and soil erosion;

- Creating and improving habitat;
- Clearing of the site and removal of invasive vegetation;
- Installation of native plantings that improve diversity;
- Pilot solutions from the on-going Forest Health Study

Together these outcomes will help to improve the health of local water, forests and soils.

Additional support for the project included:

- Funding from the Province of Ontario
- Technical advice and plants from Folmer Landscaping & Design;
- Assistance with signage from the Township of Huron-Kinloss.



From the Bruce County Museum, the Treleaven Mill was first established in 1850 and was the first mill in the community of Lucknow.

Plant Spotlight
Bitternut Hickory
 (Carya ovata)

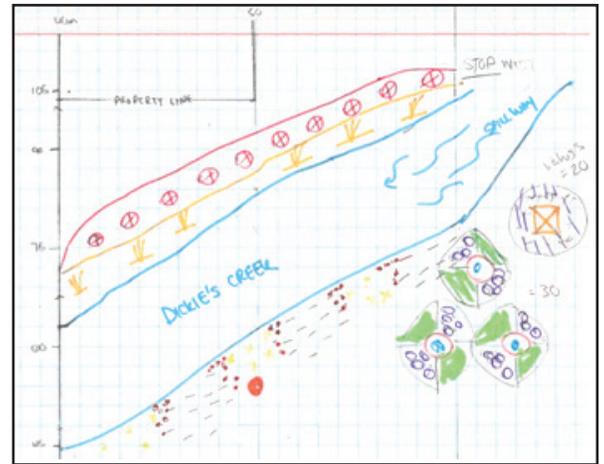
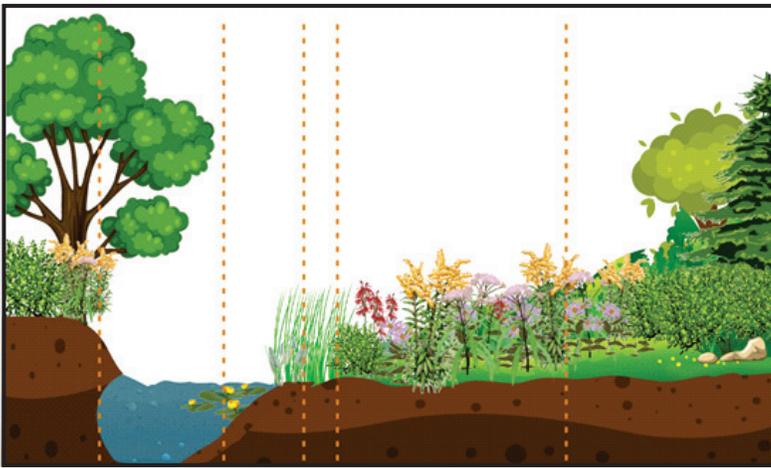
Part of restoration success includes matching plants perfectly to their environment. The Forest Health Study 2021-2022 showed hickory to be historically abundant in this area.

Plant Spotlight
Red Osier Dogwood
 (Cornus sericea)

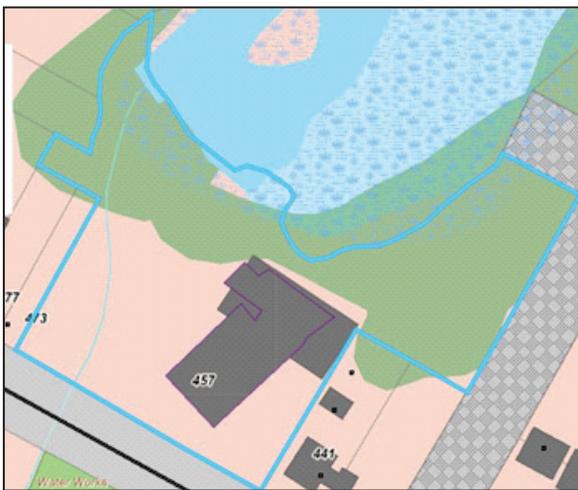
Red Osier is a common shrub along our waterways. It is important for providing cover and food. Red Osier has been used to create a naturalized erosion bench providing multiple ecological benefits.

Plant Spotlight
Giant Lobelia
 (Lobelia siphilitica)

Ontario has many plants that are not well known but provide a dual benefit of being beautiful and extremely beneficial to our local bugs and bees. Giant Lobelia is good example and it's easy to grow.



Above left: integrated ecosystem planting model to achieve ecosystem health. Above right: Jakobsen planting plan using model.



Property boundary



Blue lobelia



Butternut hickory



Site maintenance, Huron-Kinloss

Questions? Contact:

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