

Garvey-Glenn Watershed Project

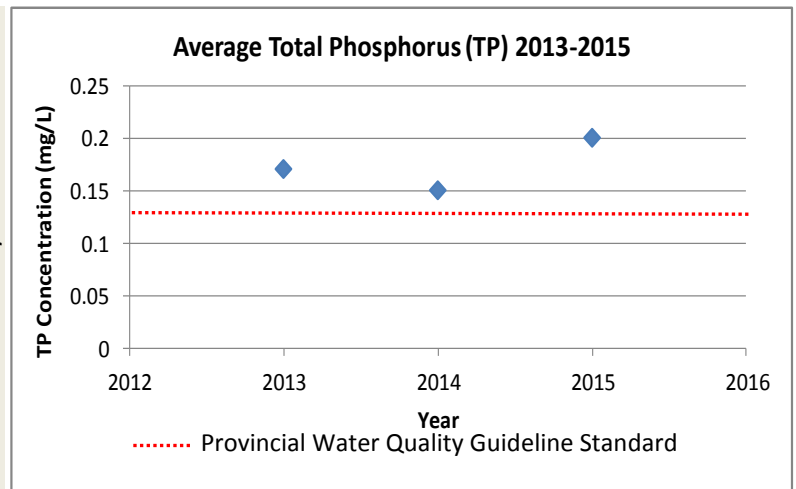


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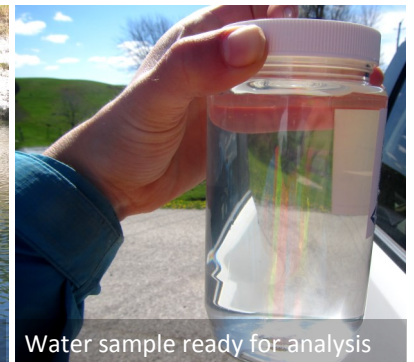
WATER QUALITY MONITORING: TOTAL PHOSPHORUS LEVELS 2013-2015

Through the Healthy Lake Huron Initiative (HLHI), a project aimed to improve water quality, Maitland Conservation has been able to regularly monitor water quality in the Garvey-Glenn watershed. Results from the 2013-2015 data have shown that there have been no major changes in total phosphorus (TP) within the watershed. Similarly to the other HLHI priority watersheds, the TP levels in the Garvey-Glenn exceed standards established to prevent eutrophication.

Best management practices (BMPs) can help to control surface run-off, which is a significant source of nutrient discharge. Landowners are doing a great job of incorporating more BMPs into their operations. As we continue to monitor water quality, we will better understand the effectiveness of BMPs over time.



Water sampling spring 2016



Water sample ready for analysis

Great Lakes Agricultural Stewardship Initiative (GLASI) Funding

Everyone in the Garvey-Glenn watershed is eligible for up to 80 per cent cost-share grants (up to \$25,000 per eligible farm business) and per acre incentives for certain projects through GLASI. Funding may be available for 2017 projects through *Growing Forward 2*, a federal-provincial-territorial initiative.

Maitland Conservation Forestry Services

Are you interested in planting a windbreak, stream buffer, or retiring marginal land? Landowners can order seedling and large tree stock from Maitland Conservation for tree planting projects. **Orders are due by October 31st, 2016.** For more details visit:

http://mvca.on.ca/programs_tree.php



@ggsweep

Saugeen Conservation's Coffee, Crops and Donuts Workshop Series Visits the Garvey-Glenn Watershed

On the morning of September 12th, fourteen people from the area got together over coffee and donuts to learn and collaborate on management solutions to one central topic: Best Management Practices. Two GLASI cover crop funding recipients from the Garvey-Glenn watershed, Harrison Burgsma and Regan Millian, shared their successes and learning experiences with the group. Harrison has trialled seeding crimson clover and annual ryegrass at side-dressing on V5 corn. Harrison is also experimenting with his tillage system this year by comparing the success of his crop on a conventionally tilled versus no-tilled plot. Regan Millian is trialling six cover crop mixes which have been drilled into wheat stubble. See the chart below for the mixes Regan used.

Mix	Rate (lbs/ac)	Cost/ac
Oats, Crimson Clover, Purple Top Turnip	35	\$20.25
Oats and Tillage Radish	25	\$17.75
Oats and Peas	67	\$25.25
Crimson Clover and Tillage Radish	15	\$37.60
Rootmax Rye Grass, Crimson Clover, Tillage Radish	19	\$36.45
Oats, Sorghum Sudan Grass, Sunflowers, Purple Top Turnip, Balansa Clover, Phacelia	30.5	\$32.64



As seen at the workshop, annual ryegrass and crimson clover seeded into corn

Sarah Fleischhauer (MVCA) also showed us a newly installed berm, grassed waterway, and French drain and talked about erosion control aftercare. **For more information contact Sarah Fleischhauer**
[E] sfleischhauer@mvca.on.ca [P] 519-335-3557 ext. 239



Soil erosion in the Garvey-Glenn watershed, spring of 2016



Grassed waterway with French drain constructed in the Garvey-Glenn, summer of 2016

Best Management Practice (BMP) Projects Funded through the Ministry of Environment and Climate Change

Throughout the summer, a series of erosion control structures were installed in the Garvey-Glenn watershed. In total, 1.2km of grassed waterway was created, 1.2km of drain was cleaned out, 1.2km of stream was buffered with trees, and 8 berms were installed. These BMPs will all have a positive impact on water quality in the watershed.

Over time, sediment and debris can build up and affect how erosion control structures perform. Therefore, it is crucial for landowners to maintain and clean out their erosion control structures to prevent issues from occurring. Maitland Conservation is creating two factsheets on maintaining erosion control structures; one will focus on grassed waterways and the second on berms. If you are interested in receiving a copy, please email Hayley Murray at hmurray@mvca.on.ca or call 519-335-3557 ext. 250.