



... FOR THE SAKE OF WATER QUALITY AND THE
FISHERIES RESOURCES ON MANITOULIN ISLAND AND THE
GREAT LAKES THAT SURROUND IT

Manitoulin Streams Improvement Association is a grass roots, non-profit organization that is focused on large-scale, community based efforts to rehabilitate aquatic ecosystems on Manitoulin Island, in central Ontario. We bring the entire community together to do this via joint, private and public driven initiatives. Our efforts rehabilitate and enhance water quality and the fisheries resource on Manitoulin Island and Lake Huron which is fed by the streams.

What's Inside

Lakeview School Receives Electro-fishing Results.....	2
Bluegrass Festival In Providence Bay.....	2
South Bay Mouth Children's Festival.....	3
Manitoulin Tourism Assoc. Summer Student Presentation.....	3
Canada Day Providence Bay.....	4
LMAA Board Meeting.....	4
Summerfest Manitowaning & Ride Manitoulin Providence Bay.....	5
Pheasants Forever & Haweater Festival.....	5
Manitoulin Country fest & LMAA Annual Members Meeting.....	6
Stream Tours.....	7
Rehabilitation Updates (MIN 678, M'Chigeeng Creek, James Creek & Bass Lake Creek).....	8
Annual General Meeting & Funding Acknowledgements.....	15

Lakeview School Receives Electro-fishing Results



In June, Lakeview School Grade 8 class received the results of the electrofishing and invertebrate sampling conducted on M'Chigeeng Creek in the fall of 2013 by College Boreal students. This provides baseline information about the health of the creek so that it can be monitored as we work to improve the stream over the next couple of years. The students go back to school in August and are helping restore a portion of the creek.

Bluegrass Festival in Providence Bay

It was a beautiful weekend to be a part of this fundraiser for Special Olympics held in Providence Bay. Many bands participated and people from all walks of life were a part of this great event. Manitoulin Streams hosted a stream restoration and invasive species educational table, and had trees for sale for the Manitoulin Area Stewardship Council (MASC).



South Bay Mouth Museum Children Festival

It was a rainy day, but the turnout for the Children's Festival where they explored the museum and other events was great. Sue Meert was noted as the "bug lady" entertaining the children with invertebrates brought in from a local rehabilitated stream. Children were tickled pink to watch the caddisfly incased in its encasement make an appearance on her hand. A great event for Manitoulin Streams to be involved in, and a thank you to South Bay Mouth Museum for their hard work.



Manitoulin Tourism Association Summer Student Presentation

The Manitoulin Tourism Association (MTA) summer student training session was to educate summer students about tourism destinations on Manitoulin Island and we provided information about Manitoulin Streams and the Manitoulin Area Stewardship Council (MASC). This will allow them to promote our organizations to locals and tourists providing information about the organizations, opportunities for stream side tours, and how to become involved with volunteer stewardship activities.



Canada Day Providence Bay

Canada Day festivities were a hit in Providence Bay this year. With the newly developed displays at the Discovery Centre and beach festivities going on for the kids, this day was sure to be earmarked as one of the highlights of the year. Manitoulin Streams was present to explain to visitors about our interactive stream table, displays and educate them on stream rehabilitation and invasive species awareness.



Lake Manitou Area Association Meeting

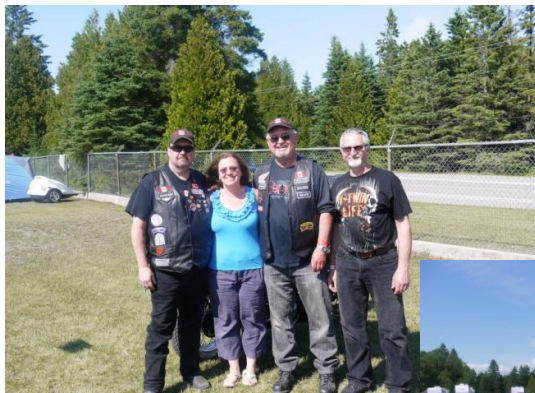
Lake Manitou Area Association held its annual members meeting on Saturday July 12, 2014. Manitoulin Streams was present to educate on invasive species and stream rehabilitation work completed in the area. Calvin Crispo, Susanne Meert and Eric Labelle from Manitoulin Streams were welcomed whole heartedly by the group.



Summerfest Manitowaning & Ride Manitoulin Providence Bay

Calvin Crispo and Eric Labelle were present during Summerfest weekend educating the public and visitors on invasive species. It was a hot one and a successful turnout.

On the same weekend Sue attended the annual "Ride Manitoulin Bike Rally", in Providence Bay. Many interested visitors in the work conducted on the island by Manitoulin Streams. A very busy weekend for businesses as riders were sent on the "Poker Run" throughout the island. Donations toward our stream restoration work was greatly appreciated. Thank you to the Lions Club who hosted this event.



Pheasants Forever Tour

Seija was asked to bring the Pheasants Forever Sudbury Chapter for a tour of our restored sites. They realized the importance of resorting riparian areas along the streams and the impact it will help provide foraging and nesting pheasants that have been introduced on Manitoulin Island.

Haweater Weekend

A very productive weekend in invasive species awareness and education at the Little Current Haweater Festival. Our team of Susanne Meert, Calvin Crispo and Eric Labelle were in full force speaking to all on invasive species and stream rehabilitation. We are

grateful for the tent awning purchased by OFAH to assist in our outdoor events, helping our staff to more effective in the hot weather. A big congrats to Seija Deschenes' daughter and niece for their first place in the boat races!



Manitoulin Country Fest

One of the busiest events, this country music festival was a pleasure to attend! Great music by some big names and many people travelled to the island for this event. Manitoulin Streams gave away hats for a donation toward our restoration work and it was a great success! Invasive species liaison Eric Labelle had his work cut out for him this weekend. He was in demand for his knowledge on local and off island invasive species as well as educating the public on the new OFAH Early Detection and Distribution (EDDmaps) program for invasive species.

<http://www.eddmaps.org/ontario/about.html> . This provides the public the ability to use their smart phone devices to take pictures of invasive species in their area and have them confirmed by a biologist at the OFAH and have them placed on a map that tracks invasive species in Ontario.

LMAA Annual Members Meeting

On Aug 12 we were invited to speak at the annual Lake Manitou Area Association members gathering. Eric Labelle was asked to inform LMAA members on invasive species in Lake Manitou and provide information EDDmaps. It was a full house and very informative evening for all. Susanne Meert and Calvin Crispo were also present to answer questions on rehabilitation updates.



Stream Tours 2014



There was lots of interest in our stream tours this year, however; our popular tour this year has been our "Stream Detective Adventure" now being held on a regularly basis in Providence Bay. This session is for children but is definitely an interest to adults as well. Children never tire of discovering invertebrates and other stream life in our recently rehabilitated stream site at this beautiful diverse beach.



Update on Stream Rehabilitation Work

Providence Bay Fishing Platform

The educational viewing and fishing platform down at the Providence Bay Discovery Centre has been under construction since the end of August and will be completed by mid-September. This platform will include a wheelchair accessible ramp allowing everyone to be able to angle streamside for salmon, trout and other species that inhabit the Mindemoya River. If you are not lucky catching a fish during your visit, an interactive Chinook salmon post board will be available for you and tourists to hold while you snap a picture with this life size prize catch with the beach and boardwalk in the background. A big thank you goes out to Central Manitoulin Township for their partnership in completing this work!



MIN 678



MIN 678 was in need of shoreline bank stabilization. This 64 linear metre reach had high sandy banks that continued to erode with more frequent storm events over prime spawning habitat for migrating salmon and trout.



Creation of a road to start restoration.



Trees used for root wads at the site.



Bank sloping 2:1 ratio, rock installment at toe of the bank.



Root wads installed at corner bend.



Reinforced lower bank stabilization with rock substrate.



Top soil applied to slopes to establish native grass seed.



278 native trees and shrubs planted at the site.



Coconut coir matting placed overtop of top soil to prevent erosion and support native grass seed establishment.

M'Chigeeng Stream

Great Job Grade 8 class from Lakeview Public School! I was really impressed by these students that worked so hard to help restore a portion of M'Chigeeng creek behind the arena. For 2 days, they moved 13 yards of spawning gravel & cobble/boulders as well as 3 root wads into the creek to improve the fish habitat. It took a lot of cooperation, stamina and strong arms and back to maneuver aggregate into the stream creating bio-engineered structures to help scour and transport sand/sediment away from critical spawning habitat.

Thank you to Bob Florean for his efforts and teaching these young minds about stream restoration and creating bio-engineered stream structures. The students from Lakeview School were extremely excited to be able to take their classroom out into the stream and be a part of the solution to restoring their community stream. We would also like to thank the Ontario Stewardship Rangers (Windy Provincial Park & Sudbury District) for all their help as well. For these groups, two long days of hauling gravel and boulders paid off. A sparkling stream with rushing riffles were the result, and we are hoping that salmon and trout will make their way up to spawn this fall. We also completed a stream cleanup. We managed to haul 5 bikes, baby strollers, scrap metal, chairs and much more from this stream. Great job crew!



Bob talking to the students about the project.



Stewardship Rangers helping transport rocks.



Supply teacher helping to transport boulders to the creek.



Students helping bring boulders to the creek.



Students creating a weeping weir to help salmon to make it up stream.



Learning to create riffle areas and to increase water flows.



Lots of tires and bikes removed from the creek.



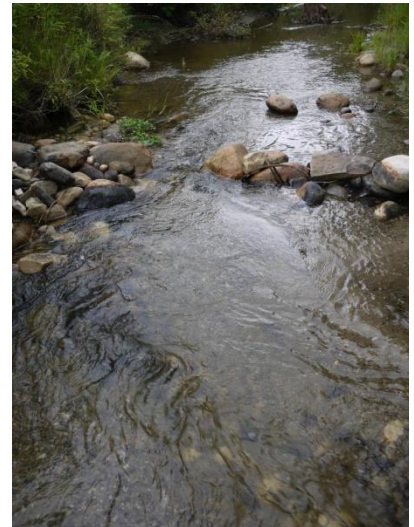
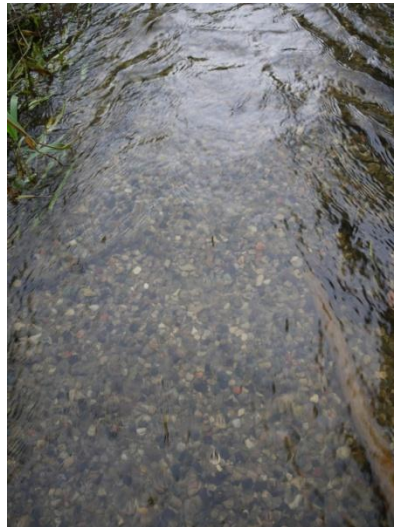
A picture of all the garbage pulled out of the creek.



Root wads donated by Paul Moffatt to provide fish habitat in the river.



Weeping weir created to help with fish passage.



Spawning gravel placed through the 250m reach and weeping weirs to help with fish passage.

James Creek

James Creek had an issue with the access to the creek being blocked by gravel/sand at the mouth of the Creek. We removed the blocked entrance and then added some boulders and rocks along the corner bend to help scour the mouth open so that migrating salmon and trout will be able to access the creek.



Blocked entrance to James Creek impeding spawning of migrating salmon and trout.



Prime spawning habitat for salmon and trout.



Boulder donated by the landowner for the project.



Boulder clusters and shoreline bank protection.



Boulders to prevent further erosion.



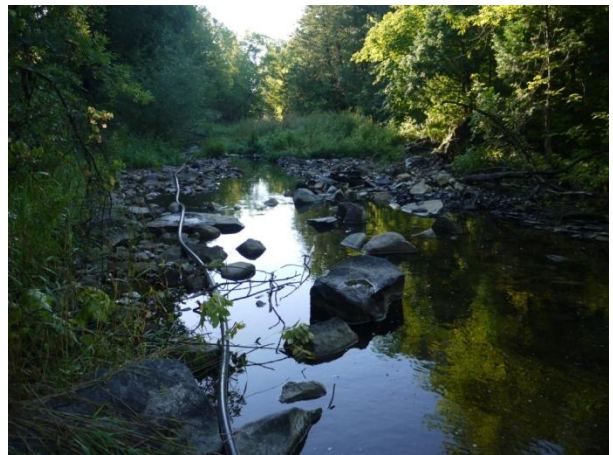
Boulder clusters to help scour out the mouth of the river.



Fish passage completed.

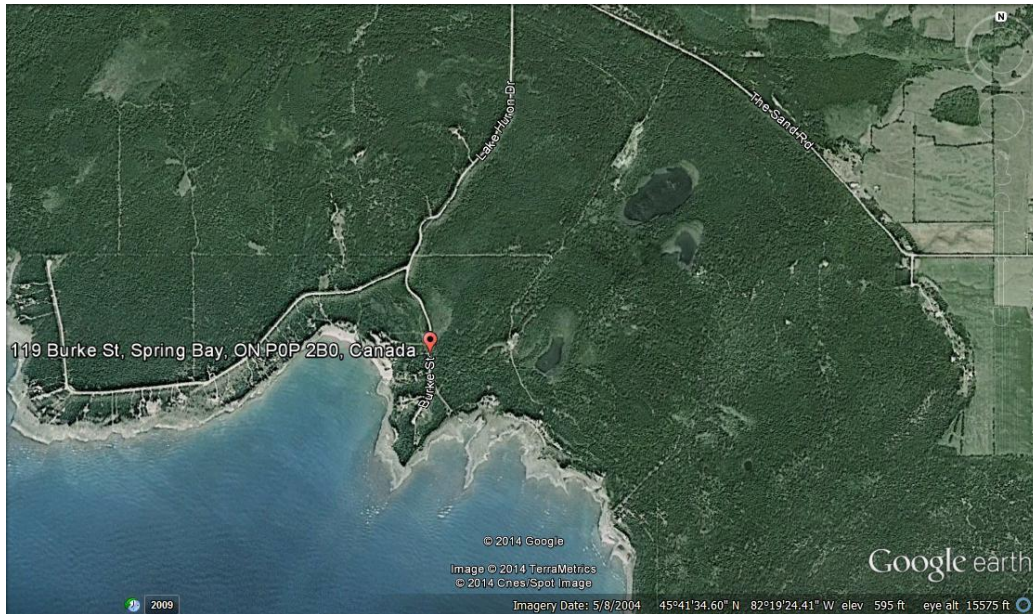
Bass Lake Creek

Manitoulin Streams worked with the Little Current Fish and Game Club to enhance a spawning pool at the top of end of Bass Lake Creek. This pool was increased in size and depth and spawning gravel was placed within the pool to increase salmon and trout spawning habitat. More substrate was added below the spawning pools to increase in-stream habitat. Two log wing deflectors that were placed within the stream were washed away with the 2014 spring freshet and were replaced with large boulders below the road bridge. Little Current Fish and Game Club donated \$2000 to Manitoulin Streams and provided in-kind support by members filling sand bags and placing spawning gravel in the pool.



Annual General Meeting

The Annual General Meeting will take place on September 29, 2014. Four positions are up for election (Secretary, Treasurer and 2 Board Members). Nomination forms can be found on our website www.manitoulinstreams.com (under the drop down About US and AGM) and are to be sent in by Monday Sept 22, 2014. The meeting will be held at 119 Burke St. in Spring Bay (see map)



A Note on Project Coordinator: Seija Deschenes

Seija Deschenes has been with the organization for many years. Her dedication and hard work in the accomplishments of Manitoulin Streams has not gone unnoticed and we would like to give her the recognition deserved. Great job Seija, on behalf of the organization, we want to thank you for all you have accomplished!



Funding Updates

A huge thank you to all of our funding and community partners for their support for these projects!

Great Lakes Guardian Community Fund- \$25,000

MNR -Canada-Ontario Agreement Funds - \$75,000

Ausable Bayfield Conservation Authority-Lake Huron/Georgian Bay Framework for Community Action
\$15,000

Little Current Fish and Game Club \$2,000

Manitoulin Transport \$10,000

Ontario Federation of Anglers and Hunters Zone D - \$2,500

Carriere Industrial Supply Ltd. \$1,000

M'Chigeeng First Nation \$2,500

Township of Assiginack \$5,000

Municipality of Central Manitoulin \$5,000

Township of Billings \$1,000

Campbell Township Horticultural Society \$100

Landowners and members– in-kind support and donations

Manitoulin Streams Coordinators Seija Deschenes & Susanne Meert
Manitoulin Streams 25B Spragge St. Box 238 Manitowaning, ON POP 1N0
Ph: (705) 859-1653 Fax: (705) 859-3010 streams@amtelecom.net
www.manitoulinstreams.com