



For the sake of water quality and the fisheries resources on
Manitoulin Island and the Great Lakes that surround it

FALL/WINTER 2013

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.

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Min 900-902 Providence Bay Restoration

Construction was completed at Mindemoya River (Providence Bay) at Site MIN 900-902 near the mouth of the River. Placement of the rock into the river to create a cross vane and "j" hooks to direct the flow into the middle of the river, create pools, scour the sediment that has built up and expose the spawning gravel underneath were all part of this streams rehabilitation. Preventing shoreline bank erosion, is also key to the success of this project .

We want to thank some local businesses for their support of this project, such as Ken Niles and the Township, as well as all our volunteers and the Ontario Ranger Program for their hard work to help this project. We look forward to adding the fishing and viewing platforms next summer to finalize this work.



Site 602 Mindemoya River

Site MIN 602 required sand bank stabilization (150 ft long x 25 ft high) and enhancement of in-stream habitat. It was our intent to improve the stability of the sand bank shoreline and enhance the in-stream habitat by implementing a bio-engineered site design.

By reducing the amount of sedimentation from occurring over prime spawning habitat and by improving the fish habitat (channel edges, channel center, reducing the width/depth ratio by narrowing and deepening the channel, creating pools, improving available river bottom substrate, and riparian vegetation/canopy) in this area it will reduce the effects of sedimentation from occurring, low water levels, reduce water temperatures from getting higher in the summer thereby enhancing the overall quality and productivity of this river's aquatic and riparian habitats over the long term.



Dredging of the Mouth, Providence Bay

Manitoulin Streams in partnership with the Municipality of Central Manitoulin received permits from the MNR and Fisheries and Oceans Canada to dredge the mouth of the Mindemoya River again this year.

We are hoping that this will help restore the south shore fishery! It is intended that the enhancement project to this area will help scour out the mouth of the river to leave it open, and avoid the need to continue dredging to allow the Salmon to enter for spawning



Dredging of the mouth



Beached salmon not succesful at entering mouth



Mouth opening

WWF World Wildlife Federation Shoreline Cleanup

On Sept 27th Manitoulin Streams hosted a Great Canadian Shoreline Clean Up in Providence Bay, 34 volunteers came out to help clean up our beaches.



Five garbage bags of litter was removed from this beautiful beach. Manitoulin Streams wants to thank the Up Top Shop for all the prizes for the volunteers, Island Foodland who provided drinks and snacks and the Municipality of Central Manitoulin for the garbage bags, gloves and garbage pick up.



Students from Central Manitoulin Public School and volunteers at Providence Bay

M'Chigeeng Lakeview School Children Take Charge

Garbage cleanup, invertebrate sampling and tree planting were part of the first phase these students underwent from a long-term planned project initiated by them at Lakeview public school. With the approval from Council and help from Manitoulin Streams and the Community, these kids are hoping on making an impact of their fisheries and stream health for generations to come.



College Boreal Electro fishing 2013

It's an honor to have Andre and his students from College Boreal come to the island to do electro fishing and invertebrate sampling. These first year students are eager to experience what they have learned. Collecting samples and battling the cold weather in the stream are all part of their venture here on the island. The first day was spent sampling Norton's Creek, where ample juveniles of brook trout were discovered.



Electro-Fishing in West Bay with Lakeview Students

On Wednesday October 30th, 2013 Lakeview School experienced these electro-fishers first hand. It was an exciting day for the children as Andre and his College Boreal students visited M'Chigeeng to continue their sampling studies. The students for Lakeview watched in amazement this newly learned skill, and were clearly taken aback by this study. This is part of the long term continuing stream enhancement study that Lakeview students have initiated.





Lakeview School Students do Large Garbage Cleanup

The students at Lakeview School commenced a large Community Cleanup on Saturday November 2, 2013. Manitoulin Streams was pleased to be present at this event. Lindsay from the Youth Leadership Program had arranged to contribute a free lunch from Seasons Restaurant to start off this clean up for all community volunteers.

A very cold, but beautiful sunny day was on the agenda for this tedious work. Many volunteers, including other students, were present to help. In-stream and out stream garbage was collected and hauled up to the highway. Tires, bikes, chairs and strollers were taken out of the river, making way for aquatic habitat.





4th Annual Brook Trout Eyed Egg Event

Get your warm gloves ready, and prepare for the 4th annual eyed egg Brook Trout event. Eyed eggs have been ordered and a date for delivery will be known closer to December. Watch the website and emails for a set day and time. This annual event has been key to conserving our brook trout, and we are pleased to have spotted the juveniles in Norton's Creek.

School groups, refreshments and good conservation cheer are expected again in order to continue this much needed tradition.

Thanks again to all our volunteers that make this event a possibility!



Little Current Fish and Game Club Gives Donation

On Monday November 4th, 2013 Bill Strain from the Little Current Fish and Game Club presented Ted Williamson with a cheque for \$1000 as an open donation for Manitoulin Streams. They have been a wonderful partner over the years and should be recognized for their successful restoration of the walleye population in Bass Lake Creek through their volunteer efforts and hatchery as well as their educational program for the school groups on Manitoulin Island!



Our partnership with the Little Current Fish and Game Club has been a great pleasure and we thank them for their support!

Minister's Award for
Environmental Excellence



(Notes.....)

Funding Recognition

AUSAUBLE BAYFIELD CONSERVATION AUTHORITY
ONTARIO TRILLIUM CONTRIBUTOR
MNR - CANADA-ONTARIO AGREEMENT
ECO-ACTION
WALMART EVERGREEN
TD FRIENDS OF THE ENVIRONMENT
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MANITOULIN TRANSPORT
MUNICIPALITY OF CENTRAL MANITOULIN -
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NORTHERN ONTARIO HERITAGE FUND CORPORATION
TOWNSHIP OF ASSIGINACK
TOWNSHIP OF BILLINGS
NORTHEASTERN MANITOULIN AND THE ISLANDS

FUNDING PENDING APPROVAL

GREAT LAKES GUARDIAN COMMUNITY FUND
RECREATIONAL FISHERIES CONSERVATION PARTNERSHIP PROGRAM

CONTRIBUTING PARTNERS

ORR'S VALUE MART
SHAW SEPTIC FARM SUPPLY
COLLEGE BOREAL & LAURENTIAN UNIVERSITY
KENJGEWIN TEG EDUCATIONAL INSTITUTE
ONTARIO PARKS – ONTARIO RANGERS
LA CLOCHE ECOLOGICAL SERVICES
PROVIDENCE BAY COMMUNITY CENTRE BOARD
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LITTLE CURRENT FISH AND GAME CLUB
GORE BAY FISH & GAME CLUB
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