

# NORFOLK WOODLOT OWNERS ASSOCIATION NEWSLETTER

www.norfolkwoodlots.com

January 2019



## President's Message

Well I guess winter is here; the past couple days of more typical winter temperatures convinced me to switch from fall rain coat to winter coat.

The NWOA Board is planning for the **NWOA Annual General Meeting at the German hall in Delhi, March 6, 2019. The doors open at 5pm and the meeting starts at 7pm, ending at 9pm.** You should plan to attend and mark it on your calendar because it looks to be a great one! Bring a friend or neighbour because we will have many vendor and group booths with lots of information that pertains to your woodlot and the creatures that may make it their home. Our guest speaker, Dr. Christian (Chris) MacQuarrie is a researcher with the Natural Resources Canada's Canadian Forest Service based in Sault Ste. Marie. He has been a member of the Pest Ecology and Management team since 2010. His research interests include integrated pest management of native and introduced forest insects, biological control, insect population dynamics and insect ecology and behaviour. Presently his focus is on the population dynamics of emerald ash borer, developing science-based advice for phytosanitary certification, and optimizing trapping of budworm moths.

To top it off, there is coffee and Timbits while you catch up with other members and friends and don't forget the prizes!

Of course everyone's favourite prize is our early bird membership renewal lottery with the winner receiving a chainsaw donated by Sthil, Premier and Norfolk Woodlot Owners Association. Another great prize is a really comfy, business chair donated by Staples, Simcoe. For your name to be included in this lottery all you need to do is renew your membership and have it in the Treasurers hands before March 1, 2019.

Many hands make the work load light! We have a very talented and complementary group of people on our Board. I have a lot of fun working with them. We met 9 times a year, with July, August and December off. We would love to welcome new members to learn what is going on in Norfolk County, wood markets or learn to better manage your woodlot for whatever purpose you see it doing for you. Depending on your talents, perhaps joining our Newsletter Committee would help get your creative juices flowing. We are just starting to setup our Facebook and would love some help tending it. Our Workshop/Tour Committee would love some new ideas on woodlot management for specific purposes that would be of interest to the membership. If you wish to volunteer for your community by becoming a Board Member and you have questions contact me or one of the Board members.

We welcome your comments, thoughts and ideas for our newsletter, workshops and Annual Meeting. You can post them on our website [www.norfolkwoodlots.com](http://www.norfolkwoodlots.com) or call me at 519-426-2782 or email me at [johndewitt@kwic.com](mailto: johndewitt@kwic.com)

John de Witt

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## Report on the Phragmites EUR Project

### 2018 Treatment update

#### Herbicide Treatment

The 2018 Treatment season was a resounding success. The primary focus this year was to search through areas treated with herbicide in the previous two seasons and target any Phragmites re-growth that may have returned in these areas. We know from experience that most often Phragmites is not fully controlled in one treatment season. This work was primarily accomplished through the use of NCC's MarshMaster and a contracted MarshMaster owned by Eric Giles of Giles Restoration Services Inc. As you can imagine, the scale and size of areas covered was significant and this work took a lot of long days to accomplish. While the work was slow to complete, the good news is that most areas showed very little Phragmites re-growth and as a result a greatly reduced volume of herbicide was applied this year. An example map of treatment and coverage at Turkey Point is attached.

There were a few new sites treated as part of the program this year to close in gaps from previous years and ensure as landscape-scale of an impact as possible. In 2018 the remaining private wetlands in lower Big Creek near Port Royal were treated as well as the last coastal wetland in the Turkey Point complex. Aerial work using a helicopter was a small portion of these new treatment areas in 2018, accounting for about 10 ha in lower Big Creek, 14 ha at Long Point Company and 3 ha at the Crown Marsh. The remaining new areas in Turkey Point, including Ordnance Beach, were treated from the ground using the MarshMasters.

We will be working with the Long Point World Biosphere Reserve Foundation to significantly update the project information on our website and will upload the rest of the 2018 project maps and a detailed summary as well as future plans to that website over the coming months.

### Integrated Pest Management Follow-up Actions

As part of a good IPM program several steps are often required to achieve control of a pest. With the Phragmites control program as a follow-up to the herbicide treatment, larger stands are cut, rolled and/or prescribed burn during the winter months. This work has begun in the coastal wetlands at lower Big Creek, Turkey Point and Long Point.

The Marshmasters will continue rolling and cutting until hard freeze up arrives and start again when thaw occurs in late winter. The window to do this work is very small with the ice limitations and the need to work after turtles begin overwintering and before spring emergence along with the return of migratory birds. We anticipate some prescribed burns to occur in the meantime if mother nature works with us and limits snow cover.

## **Next Steps for 2019**

NCC has been very fortunate to receive funding from Environment and Climate Change Canada's CWS Ontario (CWS) department to support a number of Phragmites-related activities this winter. Recognizing the need to support the important on-the-ground work as well as planning requirements to move the control program forward and inland, CWS has provided funding to promote Phragmites rolling, cutting and burning this winter in the Long Point area as well as much-needed NCC staff time to develop an implementation plan for Phragmites control in the Big Creek watershed. NCC has agreed to match these funds dollar for dollar and the result will be a plan that prioritizes, maps and outlines how to eradicate upstream seed sources that may re-infest our treated coastal wetlands, approximately 60 ha of created/restored wetlands in the lower Big Creek watershed, Phragmites cut and rolled using mechanical and manual methods across the Long Point region and a number of prescribed burns. This important funding will lay the cornerstone for moving this program to the next phase and position us well to deliver control inland in 2019. NCC greatly appreciates this partnership with CWS and looks forward to another successful Phrag-fighting season. Updates on the winter activities including plan development will be forthcoming.

Through this partnership, NCC has brought Karen Alexander to Norfolk part-time to help prepare the watershed implementation plan. Karen has been working with NCC in our Windsor office for most of 2018 and brings with her a wealth of knowledge and experience in Phragmites management from her previous role at the Great Lakes Phragmites Collaborative in Michigan. Karen will be reaching out this group shortly to schedule a meeting in January so we can get your thoughts and input to the implementation plan. She will also be looking to establish a working group to help her develop the plan and consider all aspects of trying to control Phragmites in the inland agricultural landscape. Please look for her email in the near future and join us in welcoming her to our local Phrag-fighting team!

As always, if you have any questions about the program do not hesitate to contact Eric Cleland.

Eric Gunnell, LPRA, Eric Cleland, NCC - LPPAA Co-chairs

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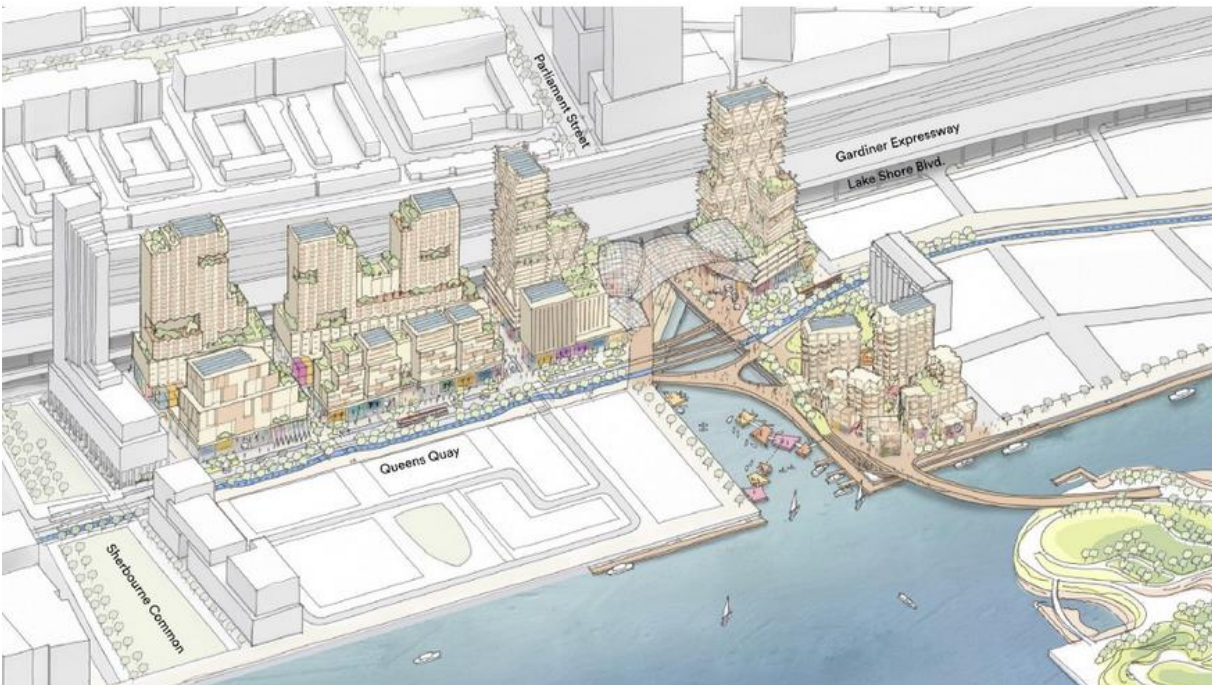
# Forest Sector applauds Mass Timber Component of Toronto Waterfront Development

By: The Working Forest Staff

Forest Products Association of Canada CEO Derek Nighbor issued the following statement in response to the Quayside Community Project announcement, a commitment to utilize mass timber in its construction, and as a result showcase Canada's world-leading forest products:

"Today's announcement is further proof of the renaissance we are seeing in wood construction in Canada and around the world," said Forest Products Association of Canada CEO Derek Nighbor. "This project will not only support efforts to address affordable housing needs in Toronto, but it will also realize important environmental benefits – wood is a renewable resource, it stores carbon, and building with it leaves a lower carbon footprint. It is also great news for the economy with jobs for engineers, architects, tradespeople, and advanced manufacturers. We could not be more excited to see such a forward-thinking project taking root in the heart of Toronto," Nighbor added.

Details are available at: <https://medium.com/sidewalk-toronto/quayside-a-new-vision-for-torontos-waterfront-60d969d16c5f>



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**New powder could help cut CO2 emissions**

By: The Working Forest Staff

Waterloo News – Scientists at the University of Waterloo have created a powder that could capture carbon dioxide (CO<sub>2</sub>) from factories and power plants.

The advanced carbon powder, developed using a novel process in the lab of Zhongwei Chen, a chemical engineering professor at Waterloo, could filter and remove CO<sub>2</sub> from emissions at facilities powered by fossil fuels before it is released into the atmosphere with twice the efficiency of conventional materials.

“This will be more and more important in the future,” Chen said. “We have to find ways to deal with all the CO<sub>2</sub> produced by burning fossil fuels.”

The new process, which involves manipulating the size and concentration of pores, could also be used to produce optimized carbon powders for applications including water filtration and energy storage, the other main strand of research in Chen’s lab.

CO<sub>2</sub> molecules stick to the surface of carbon when they come in contact with it, a process known as adsorption. Since it is abundant, inexpensive and environmentally friendly, that makes carbon an excellent material to capture CO<sub>2</sub>, a greenhouse gas that is the primary contributor to global warming.

The researchers, who collaborated with colleagues at several universities in China, set out to improve adsorption performance by manipulating the size and concentration of pores in carbon materials.

The technique they developed uses heat and salt to extract a black carbon powder from plant matter. Carbon spheres that make up the powder have many, many pores and the vast majority of them are less than one-millionth of a metre in diameter.

“The porosity of this material is extremely high,” said Chen, who holds a Tier 1 Canada Research Chair in advanced materials for clean energy. “And because of their size, these pores can capture CO<sub>2</sub> very efficiently. The performance is almost doubled.”

Once saturated with carbon dioxide at large point sources such as fossil fuel power plants, the powder would be transported to storage sites and buried in underground geological formations to prevent CO<sub>2</sub> release into the atmosphere.

A paper on the CO<sub>2</sub> capture work, In-situ ion-activated carbon nanospheres with tunable ultramicroporosity for superior CO<sub>2</sub> capture, appears in the journal Carbon.

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## **NWOA MEMBERSHIP RENEWAL**

Members can renew their membership, online, using the NWOA website and pay online with PayPal.

Go to the website and then to **Members Area**, then to **Member Renewal**.

You may also print the membership application form and renew by mail.  
Members who renew early would be eligible for the AGM prize draws.

### **Be an early bird**



**Renew your membership before the annual meeting  
And have a chance to win a chainsaw at the meeting**

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