

~ Both Sides of the Coin ~
My Experiences with Emerald Ash
Borer in Norfolk County

Huron County EAB Session – Dec. 16th/2008

Eric Cleland – OMNR Forest Health Technical Specialist
Southwestern Ontario



Photo Credit D. Rowlinson

Overview

- Why the concern?
- Norfolk County Municipal Experiences with EAB
- Quarantined Landowner perspective
- OMNR or CFIA – Who do I call?



Ontario



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

EAB – A cause for concern



- Most destructive pest of Ash spp. in North America
- Kills all native Ashes to Ontario, healthy and those in decline
- Ash already facing other pressures including: anthracnose, yellows, natural succession, drought and pollution
- Losing Ash means: loss of biodiversity, early successional (pioneer) species and a significant component of North American forests, loss of economic value to lumber industry and landowners



Norfolk County

- Agriculture-dominated landscape
- Approx. 27 % forest cover and greatest number native tree species in Ontario
- Ash species represents approximately 10% of cover
- Downturn in agriculture forces some farmers to look to woodlot for income



October 2007 – The Find



Photo Credit D. Rowlinson

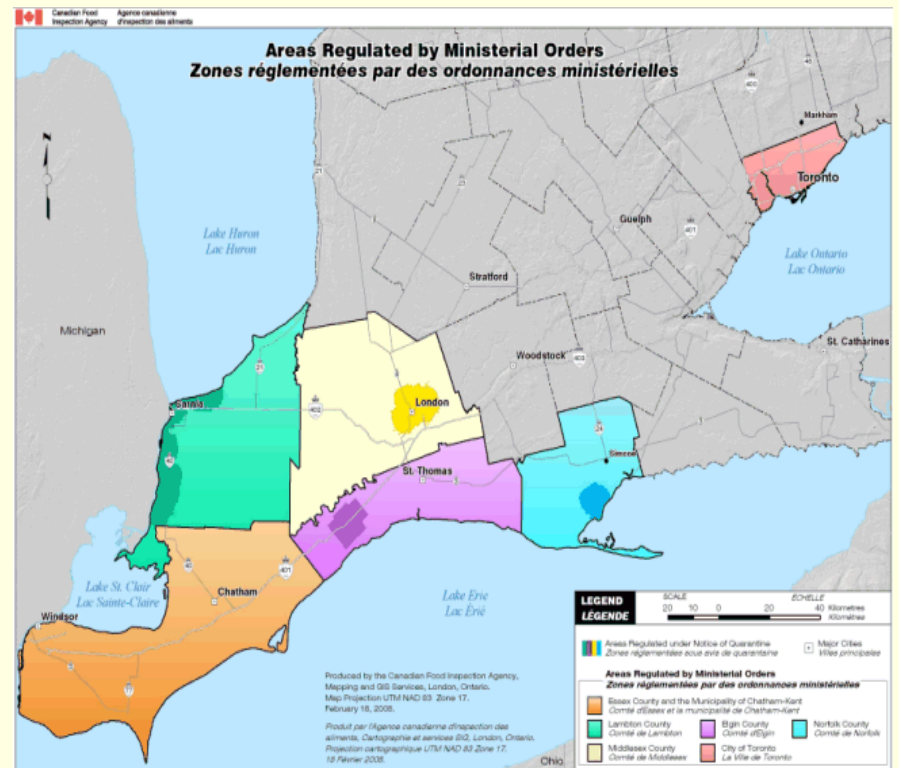
- CFIA identified 3 infested trees at campground in Norfolk County adjacent a 150 acre County-owned woodlot.
- Approx. six neighbouring woodlots discovered positive for EAB; delimitation surveys did not find any other populations; discussion for control measures begin
- 5km Nested Quarantine put in place to reinforce delimitation surveys undertaken by CFIA and Norfolk County – Forestry Division staff



Photo Credit E. Cleland – Norfolk County

Winter 2007/2008 – The Plan

- Notices of Quarantine/Prohibition of Movement sent to all landowners within 5km Quarantine Zone (approx. 1300)
- Worked with CFIA to apprise Norfolk County Council and landowners of EAB management options
- Careful consideration of delimitation data at the time resulted in an active Ash removal program
- Council provided some funding to hire two cut and skid crews to salvage all Ash of merchantable size



Winter 2008 – The Action

- Timing was crucial; all salvaged Ash had to be removed, transported and sawn by March 31st/2008 in accordance with the CFIA's 'No-Fly' policies
- Two weeks of cutting and skidding resulted in the salvage of over 600 merchantable trees from three properties; time of year & \$ limited ability to access remaining properties
- This totalled over 56,000 fbm sawn, landing scale estimates were around 60,000 fbm



Winter 2008 – The Action

- All non – merchantable Ash >2cm DBH were cut and burned in large piles on landing area of Norfolk County woodlot
- Tops from merchantable trees skidded out as well and added to burn piles
- All fine materials chipped to less than 2.5 cm(1") square (CFIA standard)



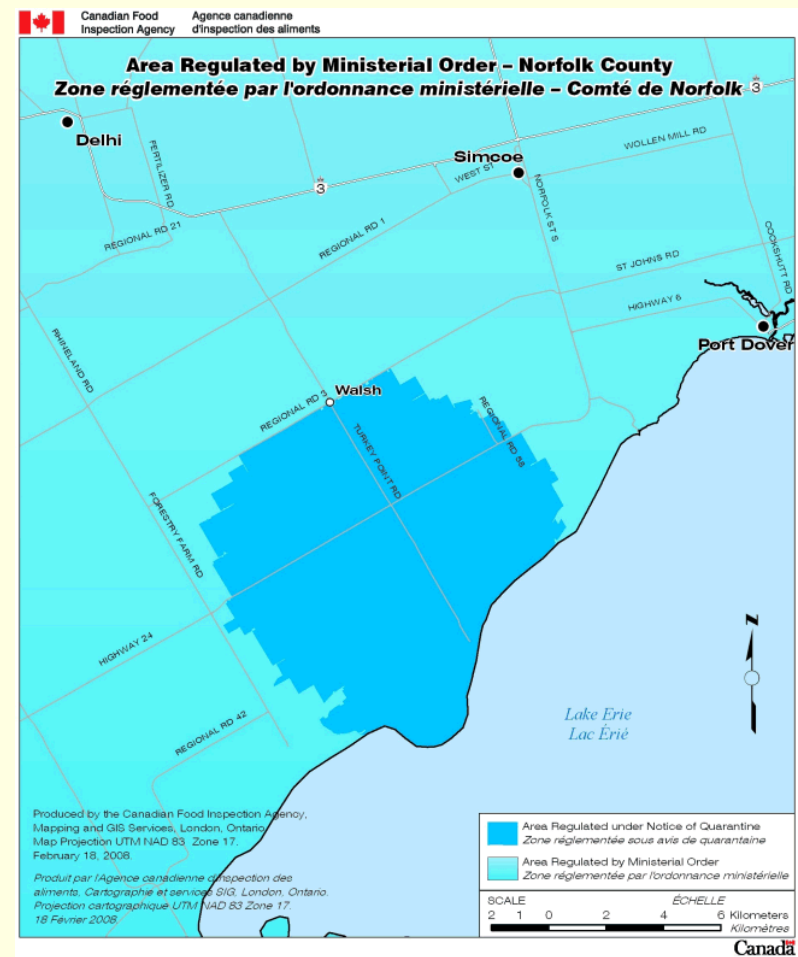
Winter 2008 – Community Collaboration

- A two-day EAB training session and 'work bee' was organized by County staff
- Session included Hydro One, Norfolk Power, LPRCA, CFIA, OMNR, NEST, NWOA volunteers and Norfolk County staff from Roads and Forestry Divisions ~100 people in attendance
- Morning training sessions followed by 'tailgate' lunch and then systematic hand removal of all Ash regeneration < 2cm DBH, previously identified by NEST crew



Resident as well as Resource Tech

- At the Time of Infestation employed with Norfolk County - Forestry Division as Resource Management Technician
- Also a resident of Norfolk County within the 5km Quarantine Zone surrounding the identified infestation



Resident as well as Resource Tech

- Firewood is primary heating source for our house; movement restrictions were cause for concern as fuelwood source also located within Quarantine Zone
- Requested a Movement Certificate for fuelwood from CFIA.
- Granted under time-limited restrictions (No movement of fuelwood April 1st to October 1st) and with an expiry date



Resident as well as Resource Tech

- Can re-apply as necessary for subsequent Movement Certificates
- Process continues to work well
- What does the future hold?

A sample of a Canadian Movement Certificate form, titled "MOVEMENT CERTIFICATE" and "CERTIFICAT DE CIRCULATION". The form is filled out with handwritten information. Key details include:

- To / À:** Facility/Correspondant
- Location of the thing(s) / Lieu où se trouvent la (s) chose(s):** 1234 boul. Saint-Louis, Montréal, QC
- Date de validité de présent certificat / Validity period:** Thursday, June 20, 2008.
- Inspector's Name / Nom de l'inspecteur:** [Handwritten name]
- Date:** Thursday, June 26, 2007
- Region or District / Région ou District:** Montréal, QC

The form also contains sections for "CONDITIONS OF MOVEMENT / Conditions de circulation" and "DELIVERED BY / Délivré ou remis à". A large "ANTILLOI" watermark is visible across the form. The bottom right corner features the "Canada" logo.

OMNR's Role



- FH & SS responsible for Forest Health Monitoring and Reporting on all insects, disease and abiotic factors affecting forests in Ontario
- Data collected supports decision-making for:
- Potential control measures under consideration (eg. Gypsy Moth, Jack Pine Budworm Spray Programs)
- Forest Management Planning
- Public Awareness and Advisory Role



For More Information on Invasive Forest Pests

Contact:

Eric Cleland – Forest Health Technical Specialist
Ministry of Natural Resources – SW Ontario

eric.cleland@ontario.ca

(519) 773-4741

Or

Canadian Food Inspection Agency

www.inspection.gc.ca

EAB - (866) 463-6017