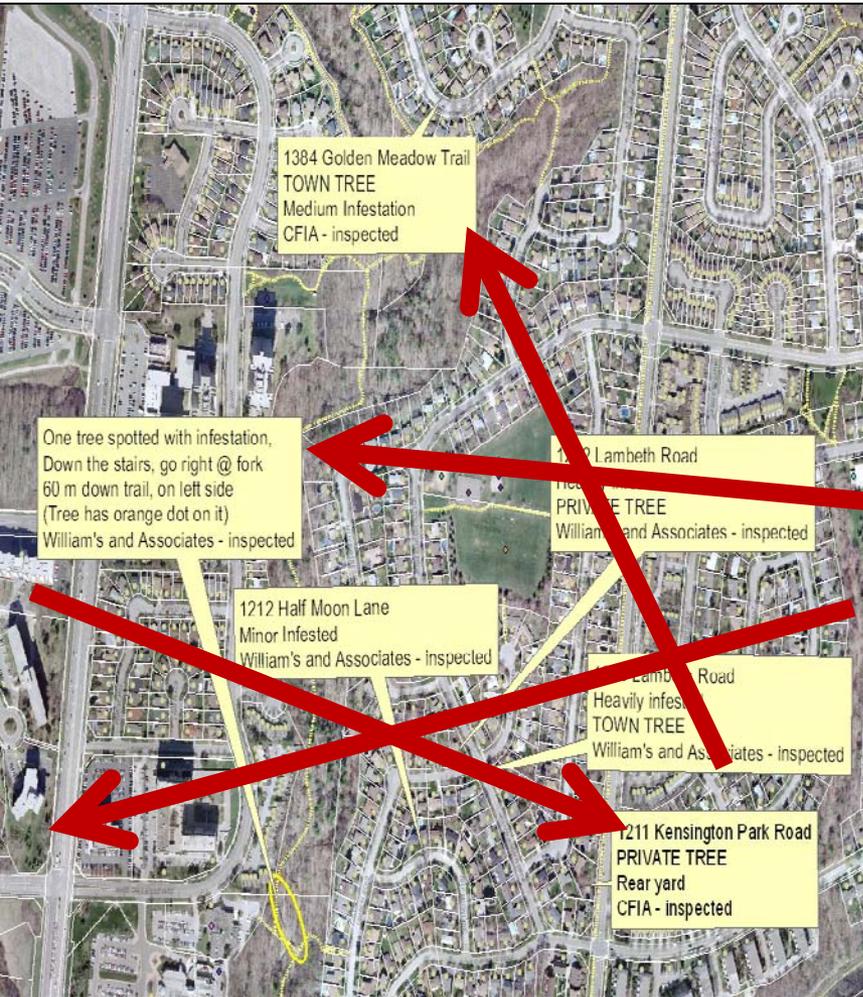


# **Town of Oakville Emerald Ash Borer 2010 WorkPlan**

December, 2010

# EAB- approach in August, 2008



Treatments: Maple Hill & TreeAzin 



**Emerald Ash Borer**  
Treatment in Progress

For more information contact  
**MAPLE HILL**  
www.maplehilltree.com  
905-824-2100

The advertisement shows a sign for 'Emerald Ash Borer Treatment in Progress' with the Maple Hill logo and contact information. To the right is a photograph of two workers in hard hats and safety gear applying treatment to a tree trunk.

# EAB Urban Forest Impacts

## EAB Structural Impacts

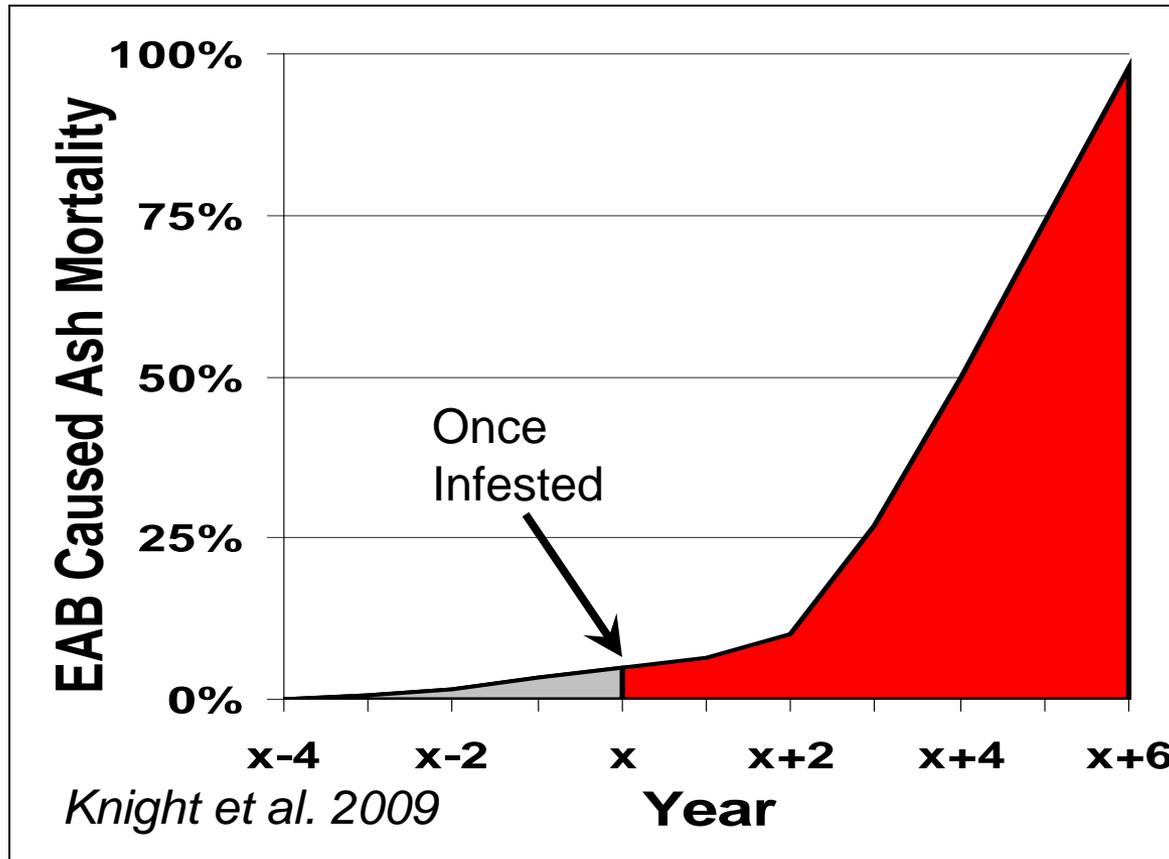
9.6% Canopy Loss  
177,300 ash trees

## EAB Structural Impacts

\$108,300 less pollutants  
removed annually  
\$ 67,000 less energy savings  
annually



**EAB Caused Ash Mortality**  
*once detected in a particular area*

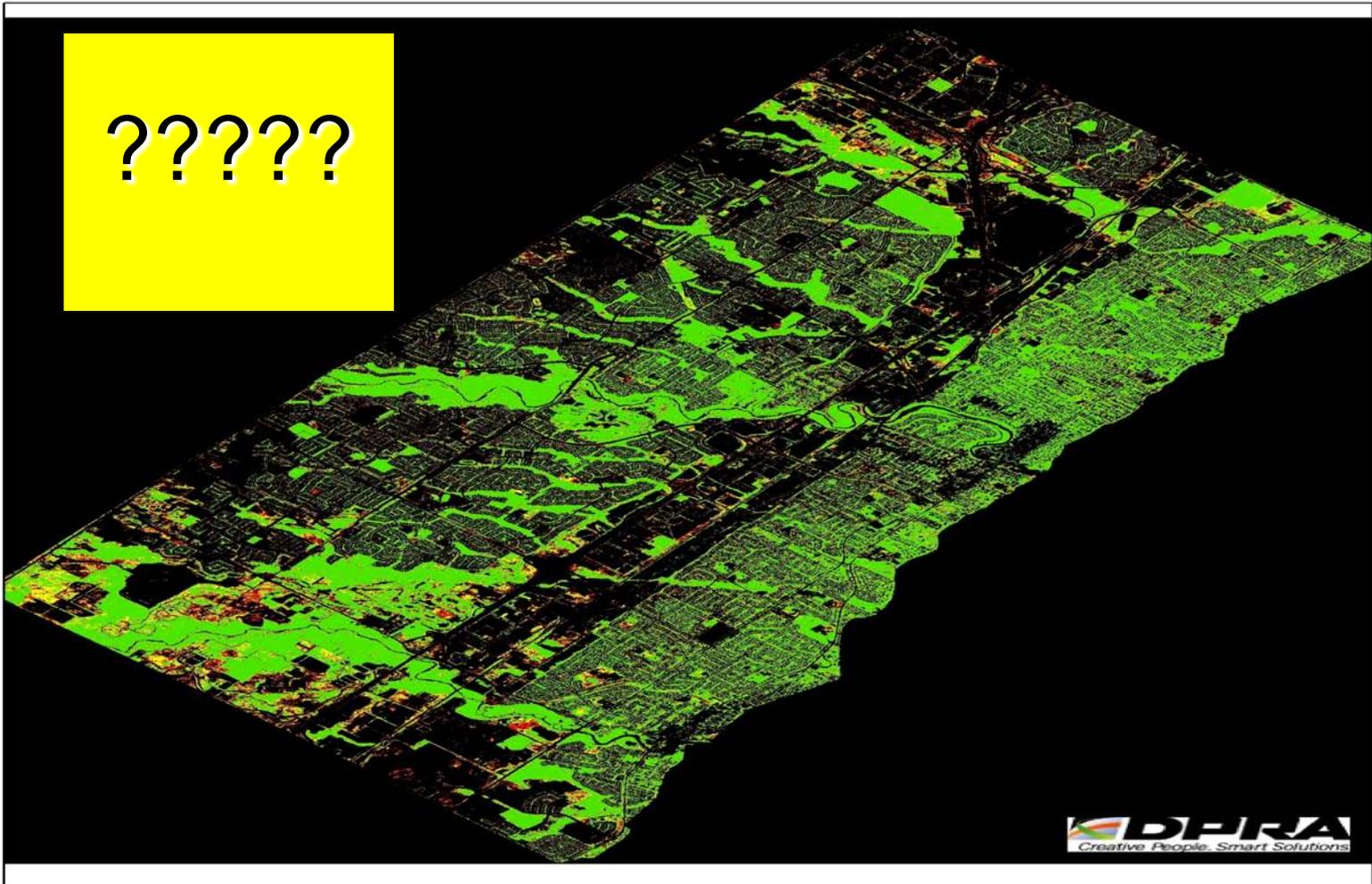


Oakville has 177,300 ash trees; 43% municipally owned:  
13,800 street and ( non woodlot) Park

## Forest Canopy Impacts



??????



**DPRA**  
Creative People. Smart Solutions

# Oakville has EAB

We did not know, until recently, where or how severe

Detection and Delimitation Surveys

Urban Forest Inventory + HSI Project



We do know that if nothing is done

Corporate urban forest  
canopy cover objective is  
compromised



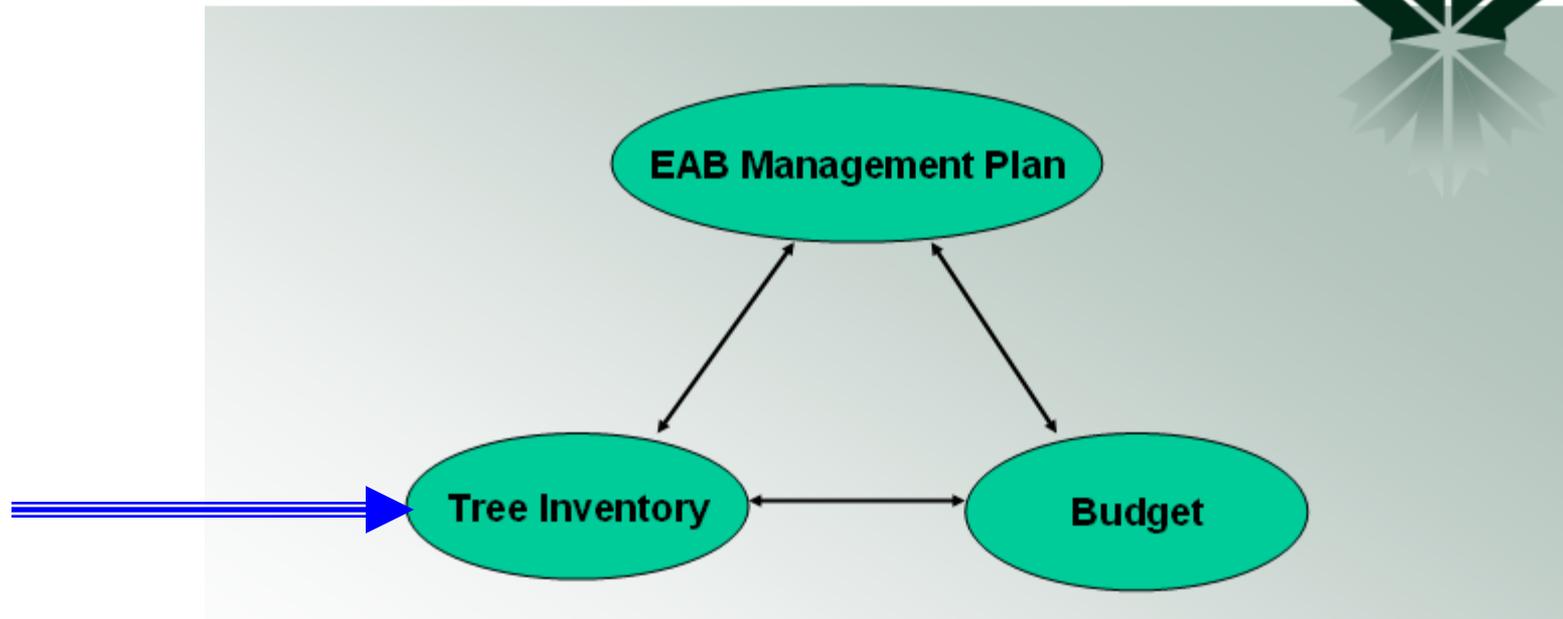
EAB Strategic Management Plan + Work Plans

Ash Tree Protection Program + Canopy conservation  
Program

# EAB- approach in 2009

\$150,000 for Ash Tree Treatment- phase 2 and under planting  
+ \$250,000 for Tree Inventory Project

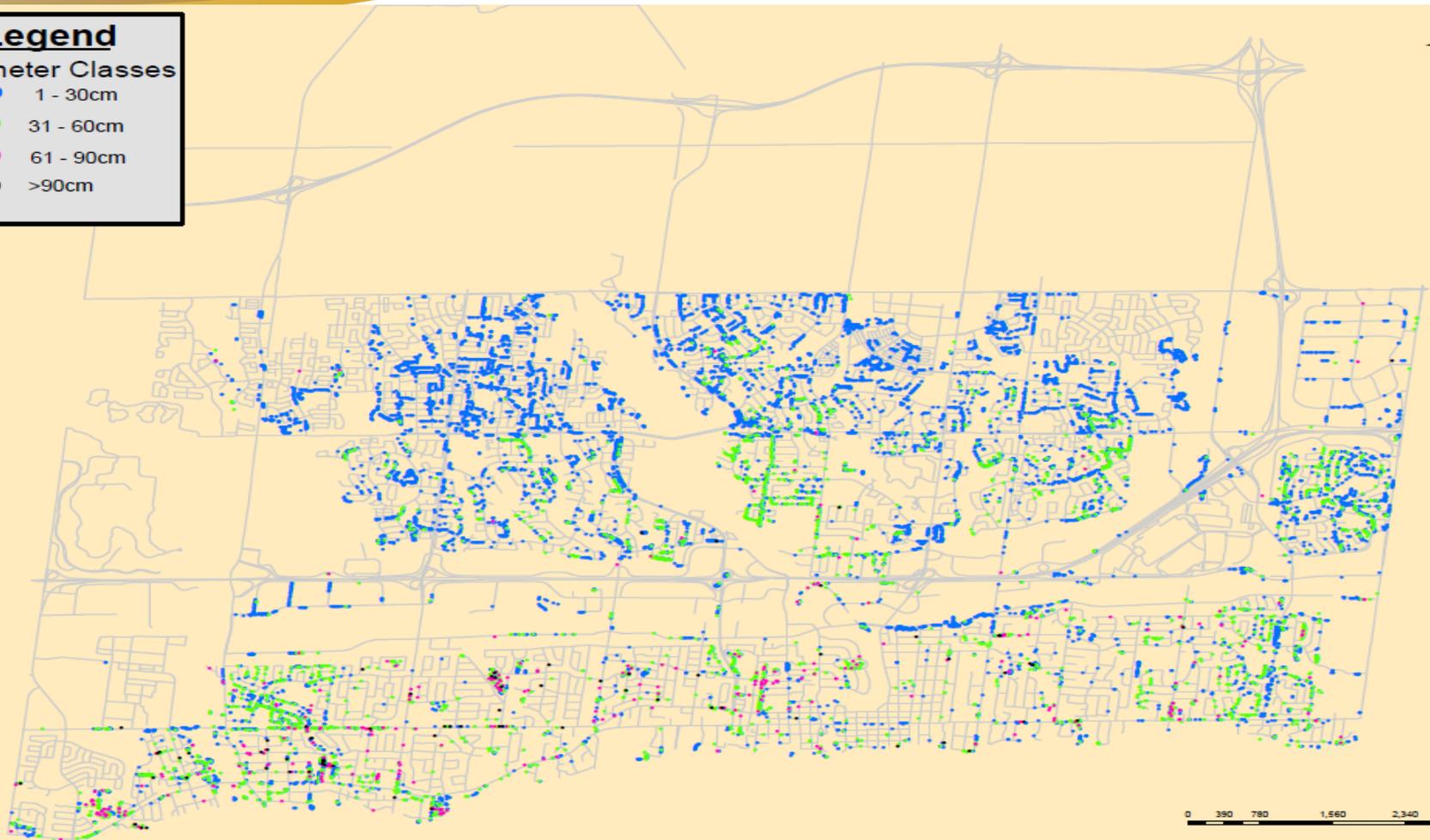
## EAB Response Plan: Critical Elements



**Legend**

Diameter Classes

- 1 - 30cm
- 31 - 60cm
- 61 - 90cm
- >90cm



P.O. Box 310, 1225 Trafalgar Road  
 Oakville, Ontario L6J 5A8  
 Tel. 905-845-8601  
 www.oakville.ca

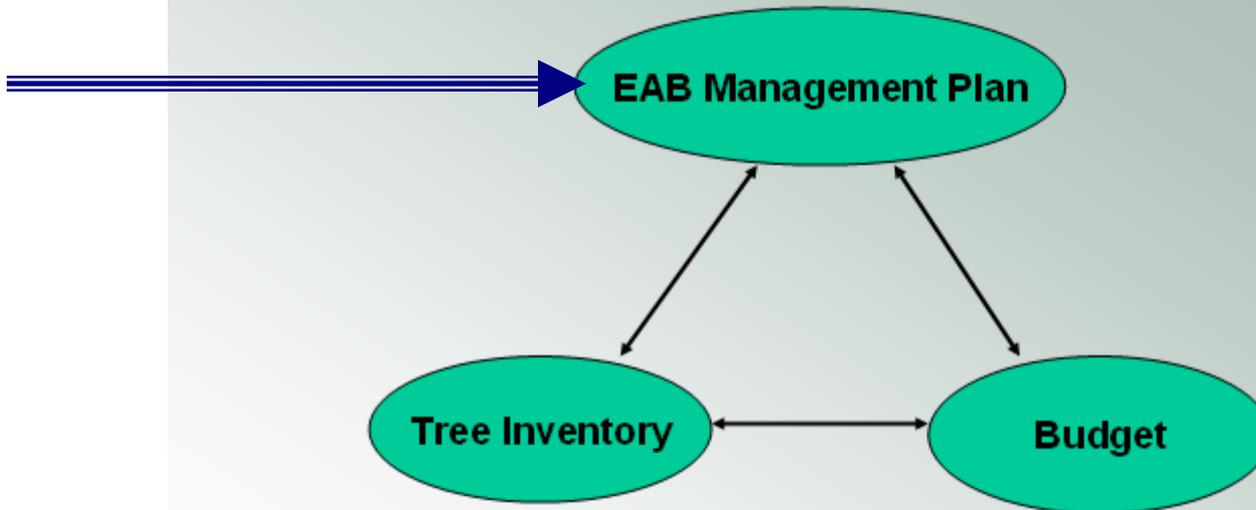
**Street and Park Ash Trees**  
 13,872 Ash Trees May 14, 2010



# EAB- approach in 2010

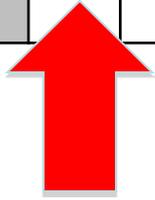
\$447,000 in funding reallocations: Ash Tree Treatment Phase 3, retain BioForest, Communications Plan +HSI Project

## EAB Response Plan: Critical Elements



# draft EAB Strategic Management Plan

20 Year Strategic Plan																	
5 Year Mgmt. Plan					5 Year Mgmt. Plan					5 Year Mgmt. Plan					5 Year Mgmt. Plan		
Annual Mgmt. Plan	Annual Mgmt. Plan	Annual Mgmt. Plan	Annual Mgmt. Plan	Annual Mgmt. Plan	...	...	...	...	...	...	...	...	...	...	...	...	...



2010

# Did we miss any EAB?



**Legend**

**EAB**

- High
- Moderate
- Low
- Null

<http://www.oakville.ca/eab.htm>

Appendix B



Out of Sample Area



P.O. Box 310, 1225 Trafalgar Road  
Oakville, Ontario L6J 5A6  
Tel. 905-845-8801  
[www.oakville.ca](http://www.oakville.ca)

**Area in Which Emerald Ash  
Borer has been Detected**

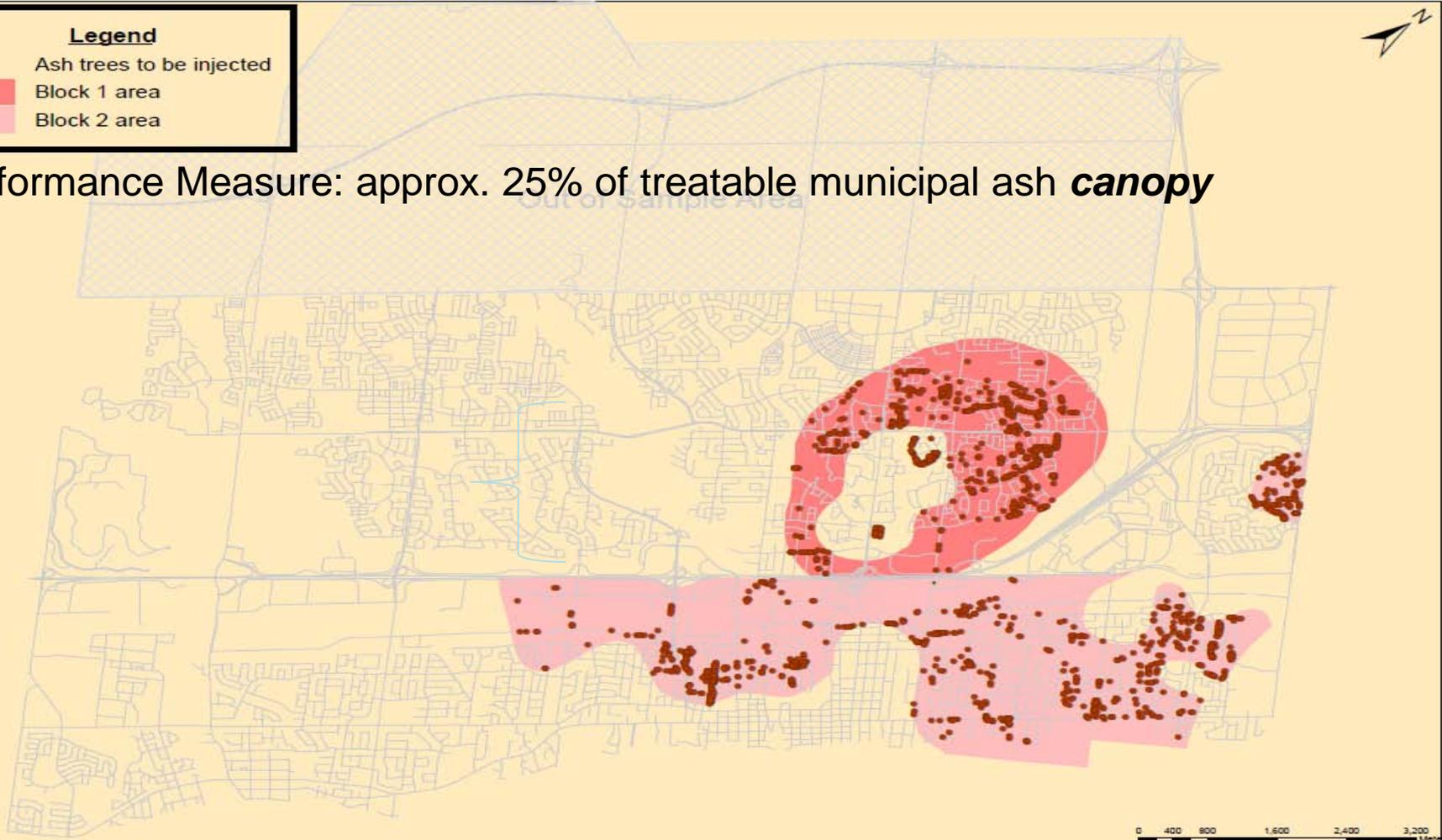
Branch Sampling Survey Conducted in Cooperation with CFS, Feb.-Apr. 2010



**Legend**

- Ash trees to be injected
- Block 1 area
- Block 2 area

Performance Measure: approx. 25% of treatable municipal ash *canopy*



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Oakville, Ontario L6J 5A8  
Tel. 905-845-8801  
www.oakville.ca

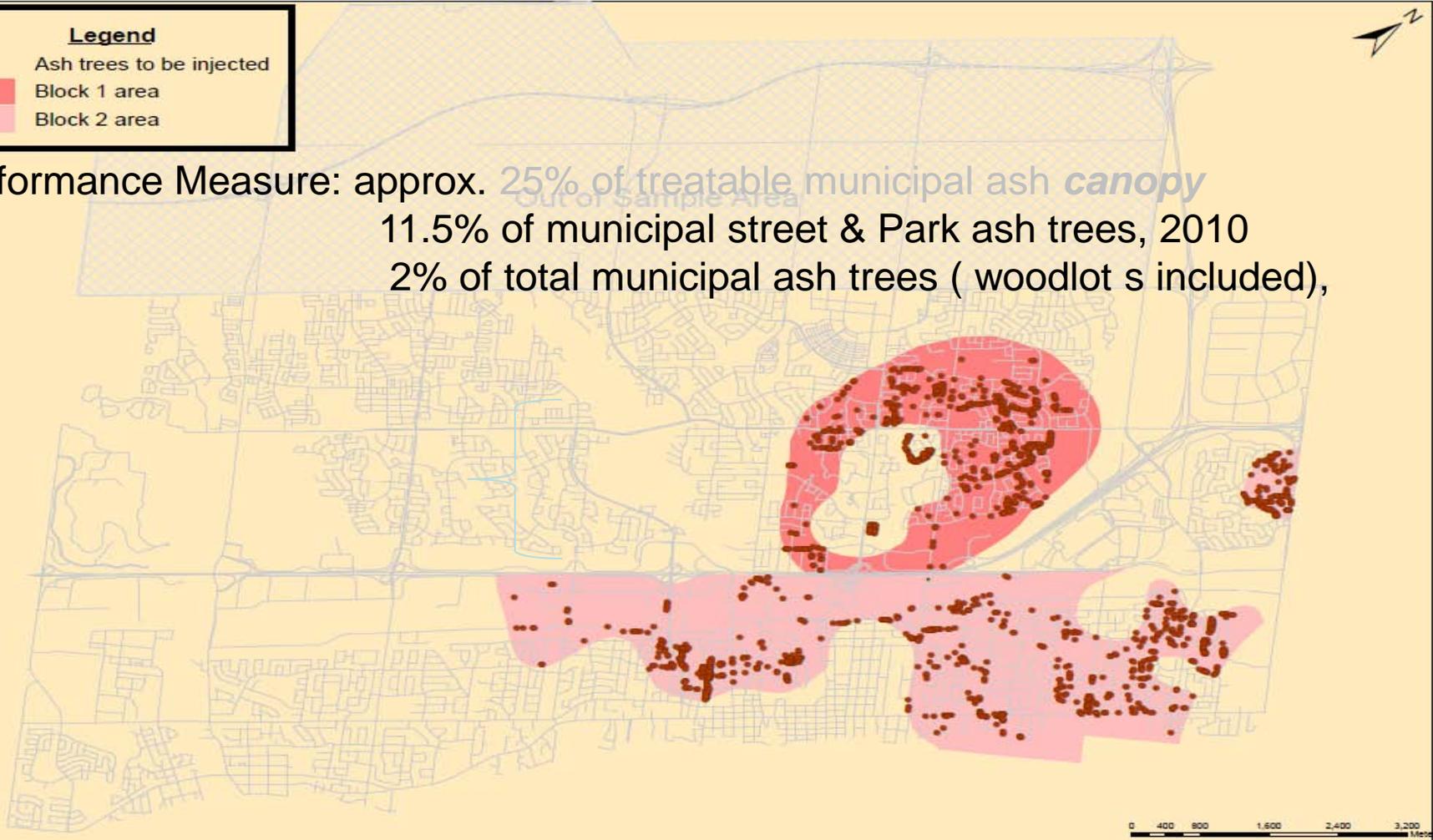
**2010 TreeAzin Injections**  
1591 Proposed Ash Trees May 14, 2010



**Legend**

- Ash trees to be injected
- Block 1 area
- Block 2 area

Performance Measure: approx. 25% of treatable municipal ash canopy  
11.5% of municipal street & Park ash trees, 2010  
2% of total municipal ash trees ( woodlot s included),



P.O. Box 310, 1225 Trafalgar Road  
Oakville, Ontario L6J 5A8  
Tel. 905-845-8801  
www.oakville.ca

**2010 TreeAzin Injections**  
1591 Proposed Ash Trees May 14, 2010



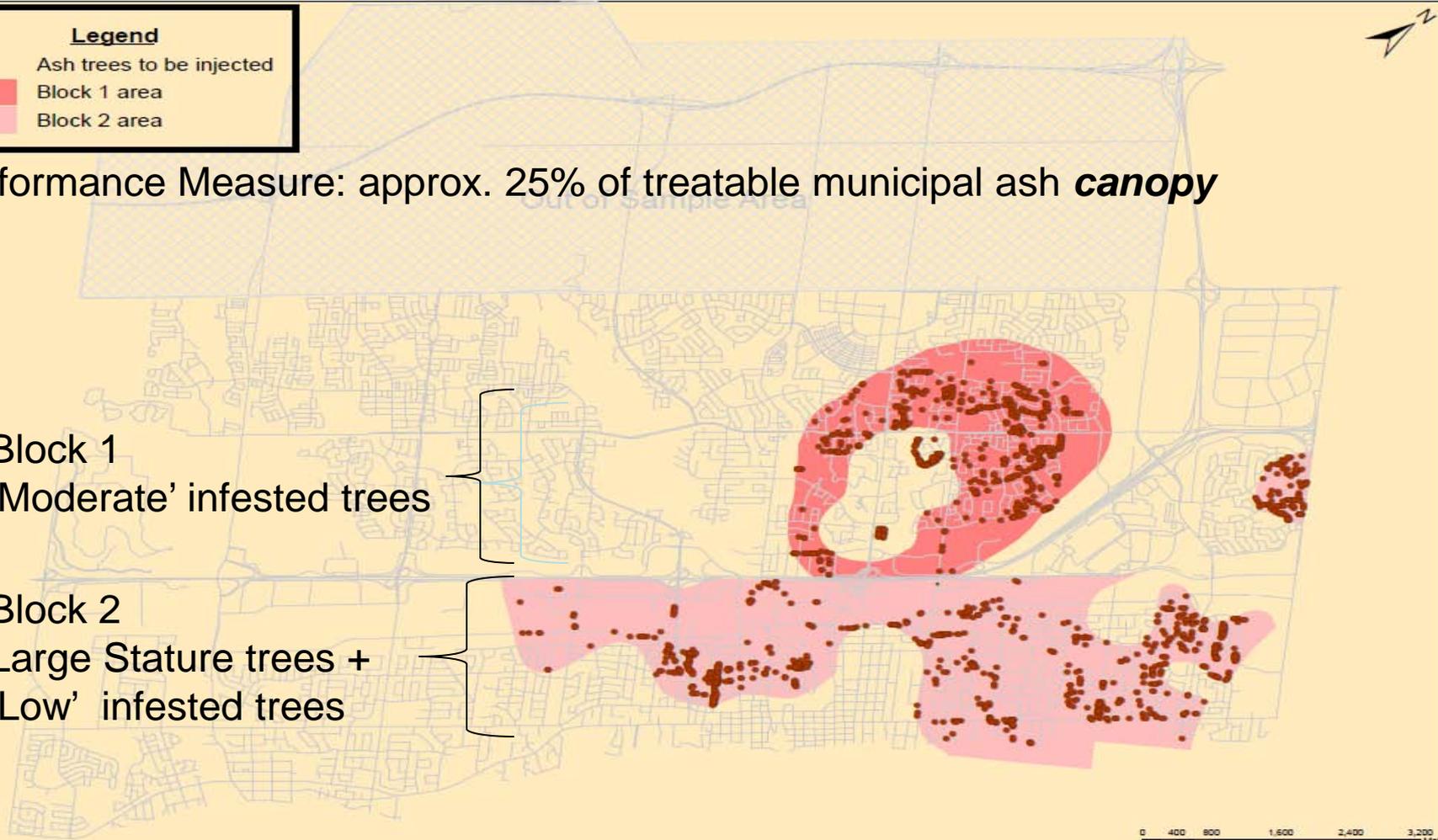
**Legend**

- Ash trees to be injected
- Block 1 area
- Block 2 area

Performance Measure: approx. 25% of treatable municipal ash *canopy*

Block 1  
‘Moderate’ infested trees

Block 2  
Large Stature trees +  
‘Low’ infested trees



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Oakville, Ontario L6J 5A8  
Tel. 905-845-8801  
www.oakville.ca

**2010 TreeAzin Injections**  
1591 Proposed Ash Trees May 14, 2010



Treatment Criteria: DBH=20cm+; Wood Condition= 'good'; Crown Condition='good'; crown die-back: < 30%; Infested level:< 'High'

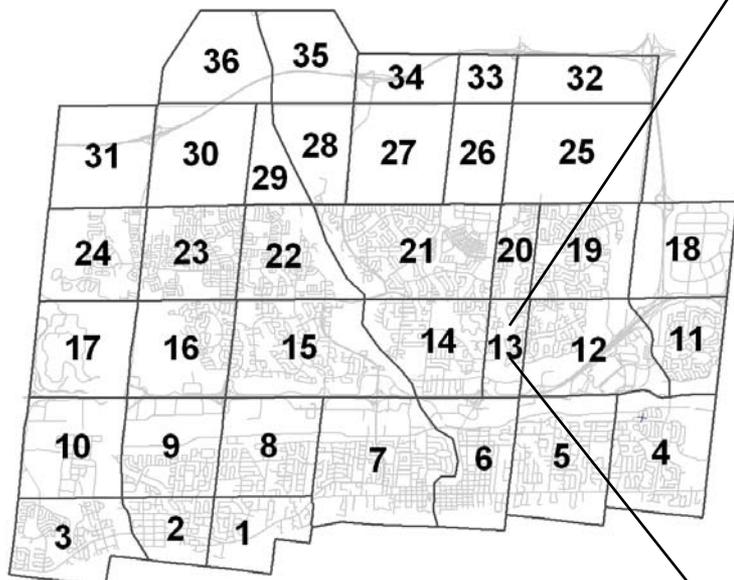


The town tree near your property has been **treated**

**Dear Resident:**  
The town ash tree near your property was recently treated with TreeAzin, a bio insecticide that prevents the spread of the Emerald Ash Borer (EAB) insect.

**Questions?**  
For more information about EAB and this program, visit [www.oakville.ca/eab.htm](http://www.oakville.ca/eab.htm) or call our (seasonal) EAB coordinator at 905-845-6601, ext. 3467.





P.O. Box 310, 1225 Trafalgar Road  
 Oakville, Ontario L6J 5A6  
 Tel. 905-845-6601  
 www.oakville.ca

**2010 Work Plan**

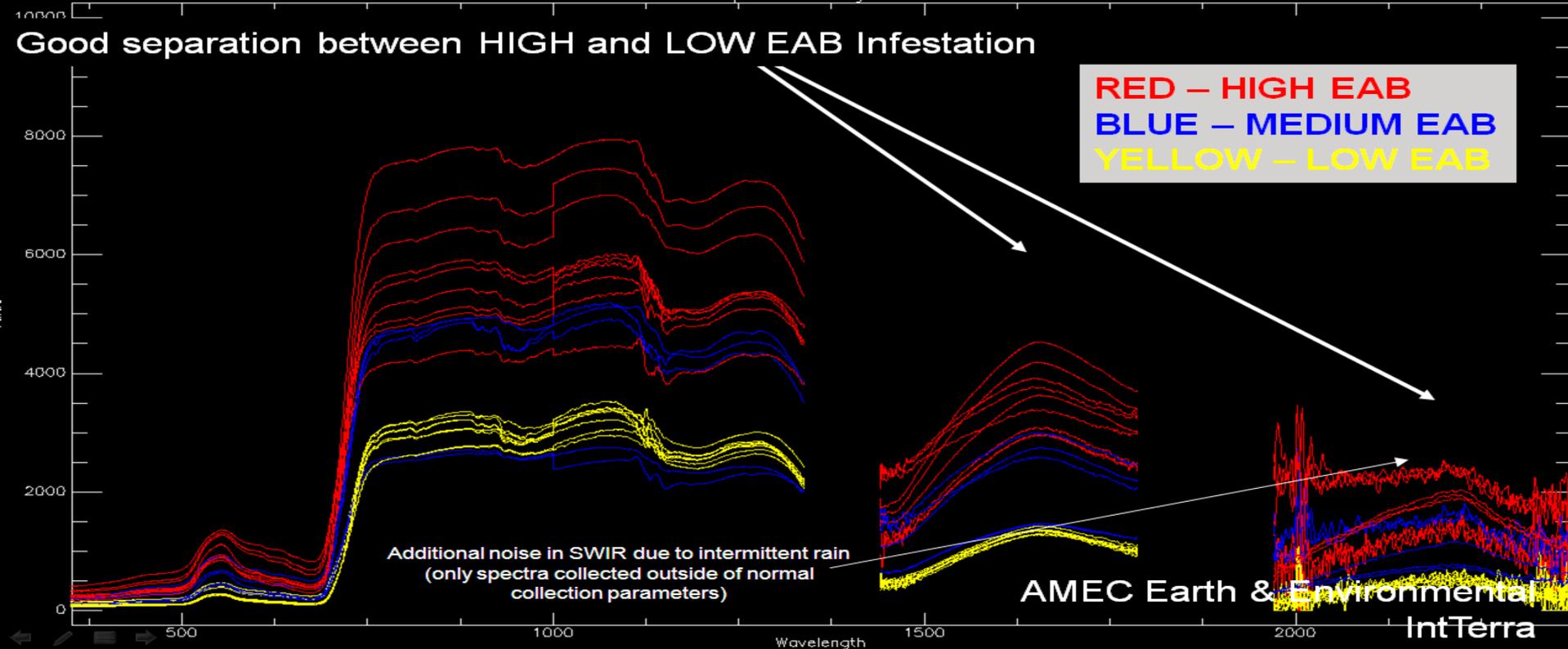


“In order to have greater impact on ash canopy conservation, private trees throughout the community would need to be included in a treatment program, as they represent approximately 80% of the total treatable ash tree cover”  
(Nowak, D. Personal communication, 2010).

# New Assessment of Spectra - EAB (Lower Canopy)

Preliminary results based on 15 trees

Spectral Library Plots



# Trees Near You

Trees Near You helps you learn about more than 500,000 trees that live on New York City sidewalks. For any area of the city, from block to borough, you can see the different species that live there, and measure the environmental (and monetary!) benefits that these trees provide.

Trees Near You was created by Brett Camper using street tree census data publicly released by the city government, and won a Best Application Honorable Mention in the NYC BigApps competition.

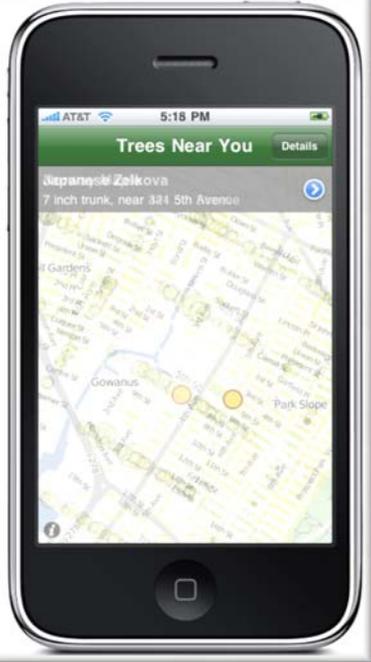
**Watch the demo!**  
**Download it from the App Store for free!**

What nice, smart people are saying:

"A beautiful, almost meditative iPhone app"  
 @monstro / Lane Becker, founder of Adaptive Path and Get Satisfaction

"Must surely be the coolest entry to the NYC BigApps competition"  
 @buzz / Buzz Andersen, creator of Birdfeed

"This is magic"  
 @christmasgorill / Chris Muscarella, founder of Mobile Commons



Map navigation tools: Scale 1:1600, Mode: True North

Map Labels: FREEMAN DR, ALGROVE PARK, MORRISON VALLEY SOUTHUMR, WHITE OAKS BLVD, ERIN ST, TRAFALGAR RD, FORESTRY Zone: 14

111234 (Town Trees)	
TreesID	111234
Species	Ash, green - Fraxinus pennsylvanica
DBH	27
Height	12
Crown Height	Null
Crown Width	Null
Stump Size	0
CondWood	Good
CondCrown	Good
Wire Conflict	
Location	1M S OF D/W
Cross Roads	
Street Number	1380
Street Name	WHITE OAKS BLVD
Linetype	Residential
Forestry View	Town Trees
<a href="#">Add to Results</a>	

- Road Surface
- Road Lines
- Major Roads (GTA)
- Trails
- Woodlots
- Forestry Zones
- Cemeteries
- Oakville Property Parcels
- Assessment Parcels
- Parks - Outline
- Parks - Fill
- Orthophoto Basemap
- Lake Ontario

# EAB Communications Plan

The objectives of the communications plan will be to:



encourage public participation in the EAB management plan

inform the public of the Town's EAB long-term strategy and annual operational plans

increase public awareness of the EAB problem and impacts

inform the public of the contribution trees make to the community



- Arts & Culture
- Arts & Culture
- Centres
- Organizations
- Merit Awards
- Planning
- Services
- Environment
- Culture Brochure
- Registration
- Master Plan
- Schedules

### Emerald Ash Borer - Correspondence

As part of the 2010 Emerald Ash Borer (EAB) work plan, the town has corresponded with federal, provincial and regional levels of government requesting financial support for the management of EAB; the Pest Management Regulatory Agency encouraging full registration of alternative EAB pest management products; and the Canadian Forest Service, Ministry of Natural Resources, and CFIA encouraging investigation and funding of alternative treatment/tools and options for EAB management.

View the letters in the table below:

EAB correspondence from the town	
To: The Honourable Leona Aglukkaq (pdf, 318 kB)	October 4, 2010
To: The Honourable Gerry Ritz (pdf, 387 kB)	October 4, 2010
To: The Honourable Christian Paradis (pdf, 389 kB)	October 4, 2010
To: The Right Honourable Stephen Harper (pdf)	September 9, 2010
To: The Honourable Dalton McGuinty (pdf, 710 kB)	September 9, 2010
To: The Honourable Linda Jeffrey (pdf, 438 kB)	September 9, 2010

iris on-line program registration

**MAKE YOUR MOVE**

Oakville Cemeteries

http://www.oakville.ca/Media\_Files/forestry/eabletter-harper.pdf - Windows Internet Explorer

http://www.oakville.ca/Media\_Files/forestry/eabletter-harper.pdf

File Edit Go To Favorites Help

Google Search

Favorites Emerald Ash Borer - Forestr... http-www.bioforest.ca-Upl... Urban Forestry Emerald Ash Borer Universit... City Forest...

1 / 3 101%



September 9, 2010

Office of the Mayor  
 Town of Oakville  
 P.O. Box 310, 1225 Trafalgar Road  
 Oakville, Ontario L6J 5A6  
 Tel.: (905) 338-4173 Fax: (905) 815-2001  
 E-mail: mayor@oakville.ca

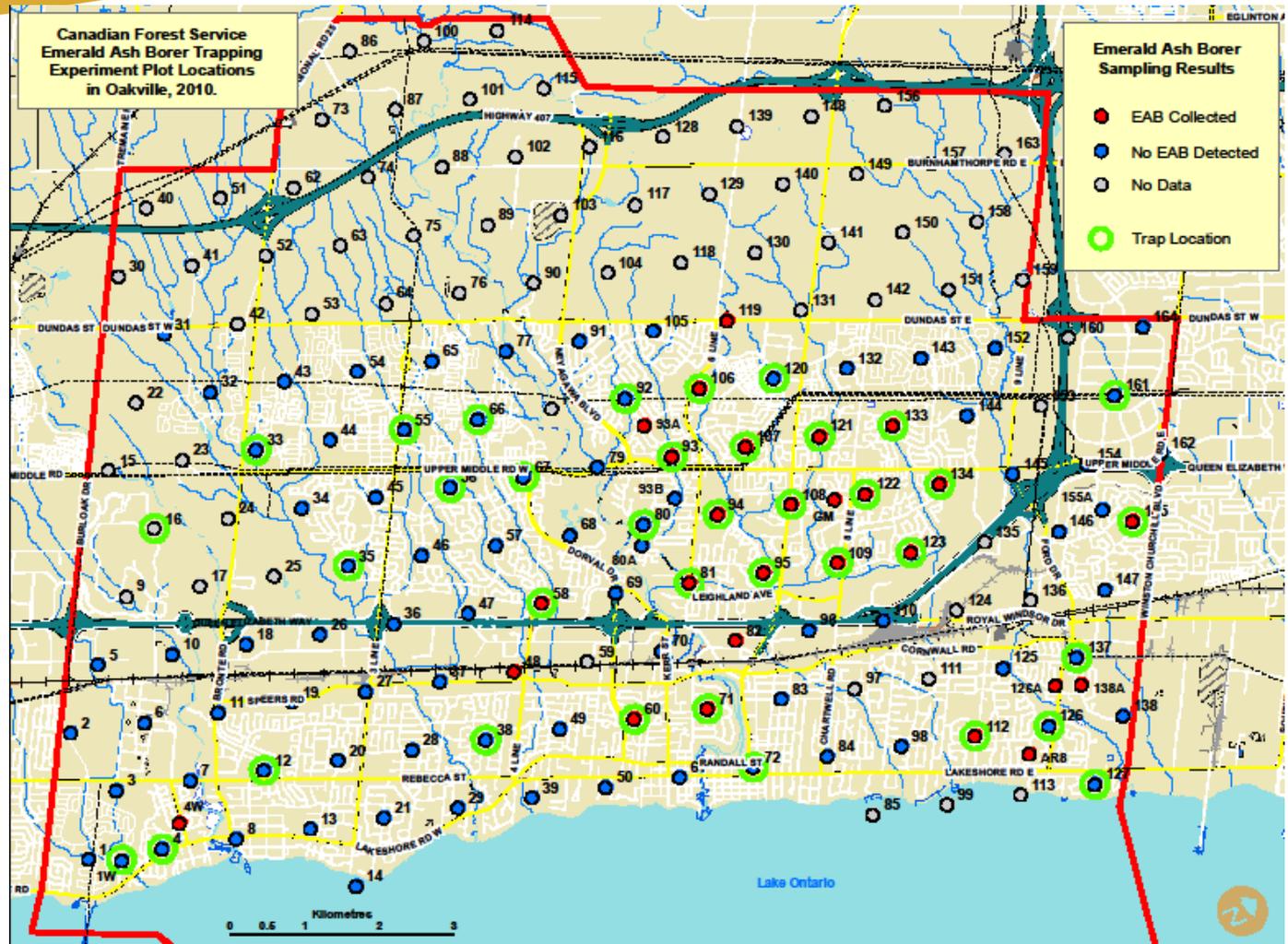
The Right Honourable Stephen Harper, P.C. M.P.  
 Office of the Prime Minister,  
 80 Wellington Street,  
 Ottawa, ON K1A 0A2

Dear Prime Minister Harper:

## Building Blocks

<u><i>Component of an EAB Program</i></u>	<u><i>Deliverable</i></u>
i-Tree analysis	% urban forest canopy cover
Inventory of street and park trees + woodlands	GIS Layers
Green Leaf Volatile Trap method	detection
Branch Sampling method	delimitation
Ash tree Treatment- TreeAzin	canopy cover protection
Hypersectral Imagery Remote Sensing Project	private ash tree inventory
Strategic Management Plan	Goals & Objectives
Operating Plans ( 5 and 1 year)	Targets & Budgets
Communications Plan	Public support

end



Emerald ash borer trap locations in the Town of Oakville, 2010.