

## **COMMITTEE OF THE WHOLE – JUNE 18, 2007**

### **REPORT REGARDING MUNICIPALITIES AFFECTED BY INVASIVE SPECIES**

#### **Recommendation**

The Commissioner of Economic/Technology Development and Communication, in consultation with the Commissioner of Community Services, the Director of Corporate Communications and the Director of Parks Operations and Forestry, recommend:

That Council receive this information regarding municipalities affected by invasive species.

#### **Economic Impact**

None.

#### **Communications Plan**

Not applicable.

#### **Purpose**

This report addresses Item 51, Report No. 15 of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on April 2, 2007, as follows:

That the Director of Corporate Communications, in consultation with the Director of Parks Operations and Forestry, provide a report identifying all municipalities affected by invasive species and particularly by the Asian Long-Horned Beetle.

#### **Background - Analysis and Options**

The federal government's Canadian Food Inspection Agency (CFIA) is the lead authority on invasive alien species. It is responsible for developing and managing regulatory programs that protect Canada's wild and cultured plant resources from invasive alien plants and plant pests.

The CFIA identifies the following as "Invasive species in Canada" under the category of Invasive Alien Terrestrial Plants and Plant Pests:

- Asian Long-Horned Beetle;
- Brown Spruce Long-Horned Beetle; and
- Emerald Ash Borer.

Under the authority of the Plant Protection Act, a ministerial order has been issued establishing a regulated area for the invasive species noted above. This report lists the municipalities with regulated areas for these invasive species.

#### **Asian Long-Horned Beetle**

The infestation of the Asian long-horned beetle was first discovered in Toronto and Vaughan in 2003. Since September 2003, 16,000 trees have been removed due to the infestation.

The Asian long-horned beetle does not pose a threat to public health. However, it attacks and kills living broadleaf hardwood trees, including maple, horse chestnut, poplar, willow, birch, elm, hackberry, mountain ash, silk tree and sycamore.

The female beetle lays individual eggs into oval egg-laying sites, which often leak sap. The eggs hatch after 10 days and the larvae begin feeding on the living tissue inside the tree. In early spring, mature larvae pupate in the wood just below the bark. Signs of infestation include exit holes and sawdust on branches or at the tree base from larvae feeding inside.

According to the United States Department of Agriculture, ALHB infestations have been found in New York, New Jersey, Illinois, and Toronto. In July 2006, the quarantine in Illinois was lifted since no more ALHB beetles were found in the area. In order to eradicate this pest, quarantines have been established around infested areas in New York, New Jersey and Illinois in the United States, as well as in Toronto, where beetles or their damage have been found.

#### Brown Spruce Long-Horned Beetle

The Brown Spruce Longhorn Beetle (BSLB) has been identified by scientists with the Canadian Forest Service (CFS) to be the causal agent of spruce tree mortality in Point Pleasant Park in the Halifax Regional Municipality.

Point Pleasant Park is 75 hectares in size and is located in the heart of Halifax. This is the first known occurrence of this invasive forest pest in North America. It is believed that this pest arrived in Canada in solid wood packing material brought through the port of Halifax. BSLB is an exotic pest of quarantine significance and a threat to trade in Canadian forest commodities and directly to the forests of North America.

The CFIA has established a multiple agency task force and is working closely with Natural Resources Canada-Canadian Forest Service, the Nova Scotia Department of Natural Resources and the Halifax Regional Municipality. The task force is responsible for providing recommendations to the CFIA and to develop a response plan for control and eradication of BSLB.

#### Emerald Ash Borer

The Emerald Ash Borer (EAB) is a highly destructive insect which kills ash trees. There are currently three regulated areas by Ministerial Order in southwestern Ontario for EAB. Elgin and Lambton counties are regulated separately. Essex County and the Municipality of Chatham-Kent, which were separately regulated in 2004, were combined into one regulated area in June 2006.

Some properties within Lambton, Elgin and Middlesex counties are also under specific quarantine measures. Those property owners have been notified that they cannot remove regulated materials from their properties without CFIA permission.

Regulated materials for EAB include nursery stock, trees, logs, wood, rough lumber including pallets and other wood packaging materials, bark, wood chips or bark chips from ash (*Fraxinus* species), and firewood of all tree species.

There are currently four regions in southwestern Ontario that are designated as regulated areas for EAB under three separate Ministerial Orders: The County of Essex and the Municipality of Chatham-Kent Emerald Ash Borer Infested Places Declaration and Order identifies the area encompassing the County of Essex and the Municipality of Chatham-Kent as being a regulated quarantine area. The County of Elgin Emerald Ash Borer Infested Places Declaration and Order identifies Elgin County as being a regulated quarantine area. The County of Lambton Emerald Ash Borer Infested Places Declaration and Order identifies Lambton County as being a regulated quarantine area.

The Canadian Food Inspection Agency (CFIA) confirmed in December 2006 that three ash trees in London, Ontario, were infested with the Emerald Ash Borer (EAB). Movement restrictions have been implemented on the properties where EAB was found and all properties in a five-kilometre

radius. These restrictions are necessary to stop the movement of firewood or other potentially-infested materials which may harbour the insect.

**Municipalities with regulated areas to prevent the spread of invasive alien species:**

<b>ASIAN LONG-HORNED BEETLE</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Greater Toronto Area	City of Vaughan	City of Vaughan, 2141 Major Mackenzie Drive, Vaughan, ON L6A 1T1  City Clerk John Leach, 905-832-8585 ext. 8281, john.leach@vaughan.ca
	City of Toronto	City of Toronto, Toronto City Hall, 100 Queen Street West, Toronto, ON M5H 2N2  City Clerk Ulli S. Watkiss, 416-392-8010, uwatkis@toronto.ca
<b>BROWN SPRUCE LONGHORN BEETLE</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Nova Scotia	Halifax Regional Municipality	Halifax Regional Municipality, City Hall, 1841 Argyle Street, Main Floor, PO Box 1749, Halifax, NS B3J 3A5  Office of the Municipal Clerk, Jan Gibson, 902-490-4210 Clerks@halifax.ca
<b>EMERALD ASH BORER</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Southwestern Ontario – Lambton County	County of Lambton	County of Lambton, PO Box 3000, 789 Broadway Street Wyoming, ON N0N 1T0  519-845-0801 administration@county-lambton.on.ca
	Township of Brooke-Alvinston	Township of Brooke-Alvinston, PO Box 28, 3236 River Street, Alvinston, ON N0N 1A0  Clerk:-Treasurer: Cathy Case, 519-898-2173 toba@brktel.on.ca
	Township of Dawn Euphemia	Township of Dawn Euphemia, 4591 Lambton Line, R.R. 4, Dresden, ON N0P 1M0  Administrator/Clerk-Treasurer: R Scott. Gawley, 519-692-5148 sgawley@dawneuphemia.on.ca

<b>EMERALD ASH BORER con't</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Southwestern Ontario – Lambton County (con't)	Township of Enniskillen	Township of Enniskillen, 4465 Rokeby Line, R.R. 1 Petrolia, ON N0N 1R0  Clerk-Treasurer: Duncan McTavish, 519-882-2490 enniskill@xcelco.on.ca
	Municipality of Lambton Shores	Municipality of Lambton Shores, P.O. Box 610, 19 Ann Street, Forest, ON N0N 1J0  Clerk: Carol McKenzie, 519-786-2335 administration@lambtonshores.ca
	Village of Oil Springs	Village of Oil Springs, P.O. Box 22, 4591 Oil Springs Line Oil Springs, ON N0N 1P0  Clerk/Treasurer: Christine Poland, 519-834-2939 oilsprings@ciaccess.com
	Town of Petrolia	Town of Petrolia, P.O. Box 1270, 411 Greenfield Street Petrolia, ON N0N 1R0  519-882-2350 Petrolia@town.petrolia.on.ca
	Town of Plympton-Wyoming	Town of Plympton-Wyoming, P.O. Box 250, 546 Niagara Street, Wyoming, ON N0N 1T0 Administrator/Clerk: Caroline DeSchutter, 519-845-3939 choskin@plympton-wyoming.com
	Village of Point Edward	Village of Point Edward, 135 Kendall Street Point Edward, ON N7V 4G6  Clerk-Treasurer: Peggy Cramp, 519-337-3021 info@villageofpointedward.com
	City of Sarnia	City of Sarnia, P.O.Box 3018, 255 North Christina Street Sarnia, ON N7T 7N2 519-332-0330 clerks@city.sarnia.on.ca
	Township of St. Clair	Township of St. Clair, 1155 Emily Street, Mooretown, ON N0N 1M0 Clerk: John DeMars, 519-867-2021 webmaster@twp.stclair.on.ca
	Township of Warwick	Township of Warwick, 6332 Nauvoo Road, R.R. 8 Watford, ON N0M 2S0 519-849-3926 warwick@wwdc.com

<b>EMERALD ASH BORER con't</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Southwestern Ontario – London	Parts of the City of London	City of London, P.O. Box 5035, City Hall, 300 Dufferin Avenue, London, ON N6A 4L9  Clerk: Kevin Bain, 519-661-4500 webmaster@london.ca
Southwestern Ontario – Essex County	County of Essex	County of Essex, 360 Fairview Avenue West, Essex, ON N8M 1Y6  Clerk: Mary S. Brennan, 519-776-6441 mbrennan@countyofessex.on.ca
	Town of Amherstburg	Town of Amherstburg, 271 Sandwich Street South, Amherstburg, ON N9V 2A5  Clerk: David Mailloux, 519-736-0012 hpayne@amherstburg.ca
	Town of Essex	Town of Essex, 33 Talbot Strret South, Essex, ON N8M 1A8  Clerk: Jerry Marion, 519-776-7336 jmarion@townofessex.on.ca
	Town of Kingsville	Town of Kingsville, 2021 Division Road North, Kingsville, ON N9Y 2Y9  Clerk: Linda Burling, 519-733-2305 lburling@town.kingsville.on.ca
	Town of Lakeshore	Town of Lakeshore, 419 Notre Dame Road, Belle River, ON N0R 1A0  Clerk: Mary Masse, 519-728-2700 mmasse@lakeshore.ca
	Town of LaSalle	Town of LaSalle, 5950 Malden Road, LaSalle, ON N9H 1S4  Clerk: Kevin Miller, 519-969-7770 info@town.lasalle.on.ca
	Municipality of Leamington	Municipality of Leamington, 38 Erie Street North, Leamington, ON N8H 2Z3  Clerk: Brian R. Sweet, 519-326-5761 info@leamington.ca

<b>EMERALD ASH BORER con't</b>		
<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Southwestern Ontario – Essex County (con't)	Township of Pelee	Township of Pelee, 1045 West Shore Road, Pelee Island, ON N0R 1M0  Clerk: Mike Galloway, 519-724-2931 info@pelee.ca
	Town of Tecumseh	Town of Tecumseh, 917 Lesperance Road, Tecumseh, ON N8N 1W9  Clerk: Laura Moy, 519-735-2184 info@tecumseh.ca
	City of Windsor	City of Windsor, P.O. Box 1607, 350 City Hall Square Windsor, ON N9A 6S1  Clerk: Brenda Andreatta, 519-255-6100 clerks@city.windsor.on.ca
	Municipality of Chatham-Kent	Municipality of Chatham-Kent, P.O Box 640, Civic Centre 315 King Street West, Chatham, ON N7M 5K8  Clerk: Elinor Mifflin, 519-360-1998 elinorm@chatham-kent.ca
Southwestern Ontario – Elgin County	County of Elgin	County of Elgin, 450 Sunset Drive, St. Thomas, ON N5R 5V1  519-631-1460 admin2@elgin-county.on.ca
	Town of Aylmer	Town of Aylmer, 46 Talbot Street West, Aylmer, ON N5H 1J7  Clerk: Nancie Irving, 519-765-3164 birwin@town.aylmer.ca
	Municipality of Bayham	Municipality of Bayham, P.O Box 160, 9344 Plank Road Straffordville, ON N0J 1Y0  Clerk: Linda Millard, 519-866-5521 bayham@bayham.on.ca
	Municipality of Central Elgin	Municipality of Central Elgin, 450 Sunset Drive, St. Thomas, ON N5R 5V1  Clerk: Donald N. Leitch, 519-631-4860 dwilson@centralelgin.org

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<b>AREA</b>	<b>MUNICIPALITY</b>	<b>CONTACT</b>
Southwestern Ontario – Elgin County (con't)	Municipality of Dutton-Dunwich	Municipality of Dutton-Dunwich, P.O Box 329, 199 Main Street, Dutton, ON N0L 1J0 Clerk: Ken Loveland, 519-762-2204 kloveland@duttondunwich.on.ca
	Township of Malahide	Township of Malahide, 87 John Street South, Aylmer, ON N5H 2C3  Clerk: Randall R. Millard, 519-773-5344 malahide@township.malahide.on.ca
	Township of Southwold	Township of Southwold, 35663 Fingal Lane, General Delivery, Fingal, ON N0L 1K0  Clerk: M. Dianne Caryn, 519-769-2010 southwold@twp.southwold.on.ca
	City of St. Thomas	City of St. Thomas, P.O. Box 520, 545 Talbot Street St. Thomas, ON N5P 3V7  Clerk: Wendell Graves, 519-631-1680 info@city.st.thomas.on.ca
	Municipality of West Elgin	Municipality of West Elgin, P.O. Box 490, 22413 Hoskins Line, Rodney, ON N0L 2C0  Clerk: Norma Bryant, 519-785-0560 westelgin@execulink.com

### Programs and Initiatives

Several of the corporate websites of the municipalities listed above are linked to the Canadian Food Inspection Agency ([www.inspection.gc.ca](http://www.inspection.gc.ca)) as the lead authority on invasive alien species.

It has not been determined which municipalities have launched special programs and initiatives related to this issue, with the following exceptions:

- Establishment of a Joint Task Force examining the Brown Spruce Longhorn Beetle infestation in Halifax (noted above); and
- Council petition at the City of Windsor to the federal and provincial governments to provide funding to assist in eradicating the Emerald Ash Borer infestation (November 3, 2003).

### Relationship to Vaughan Vision 2007

This report is consistent with the priorities set forth in Vaughan Vision 2007 and the necessary resources have been allocated and approved.

### Regional Implications

Not applicable.

**Conclusion**

This report identifies those municipalities affected by invasive species under the category of Invasive Alien Terrestrial Plants and Plant Pests, as requested by Council.

**Attachments**

None.

**Report prepared by:**

Madeline Zito, Director of Corporate Communications  
Marjie Fraser, Director of Parks Operations and Forestry  
Ted Hallas, Manager of Corporate Communications

Respectfully submitted,

**Frank Miele**

Commissioner of Economic/Technology  
Development and Corporate Communications