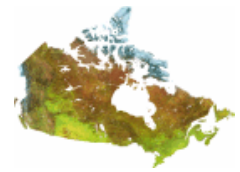


# The Dangers of Exotic Pests to Forests in Eastern Canada

(part 3)





**Pierre DesRochers**  
**Canadian Forest Service**  
**Laurentian Forestry Centre**

**Yves Proulx**  
**Canadian Food Inspection Agency**  
**Plant Health Division**



Canadian Food  
Inspection Agency

Agence canadienne  
d'inspection des aliments

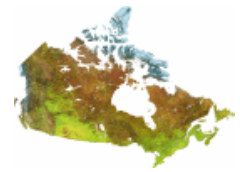
**Updated by: P. DesRochers, Y. Proulx and J. VanAcker, July 2005 and  
August 2006**



Natural Resources  
Canada

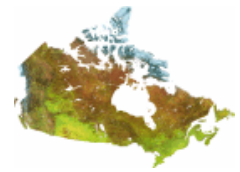
Ressources naturelles  
Canada

**Canada**



# Presentation Outline

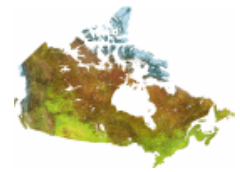
- 1) Historical perspectives
- 2) Recent introductions
- 3) **Other ongoing surveys**
- 4) Other regulated pests
- 5) Literature



### 3) Other ongoing surveys

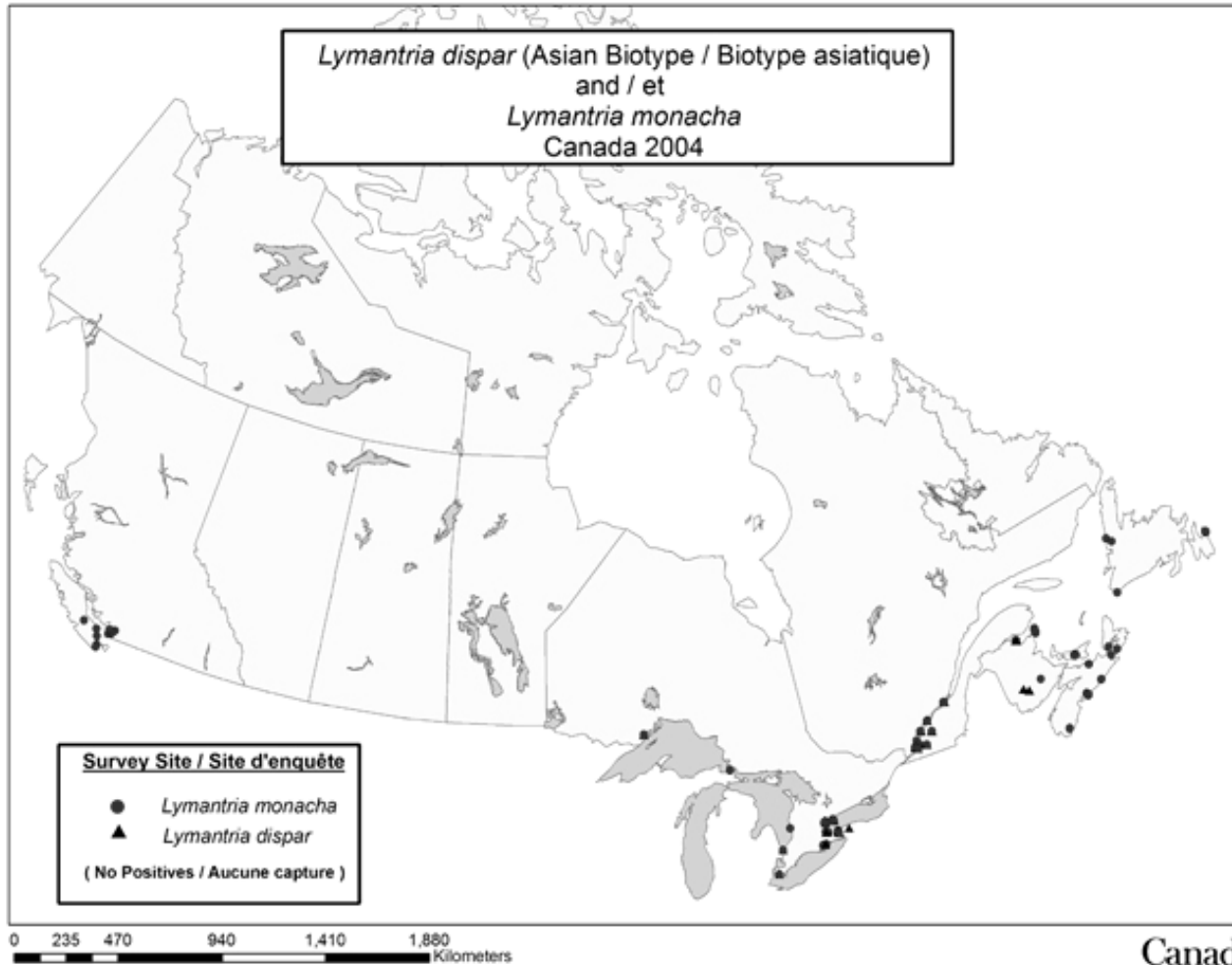
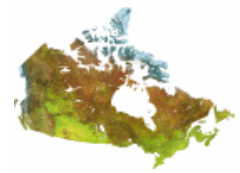
- Nunn moth and  
Asian gypsy moth
- Red-haired pine bark beetle  
(*Hylurgus ligniperda*)
- Sudden oak death

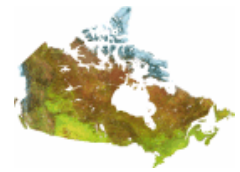




# Ongoing Monitoring

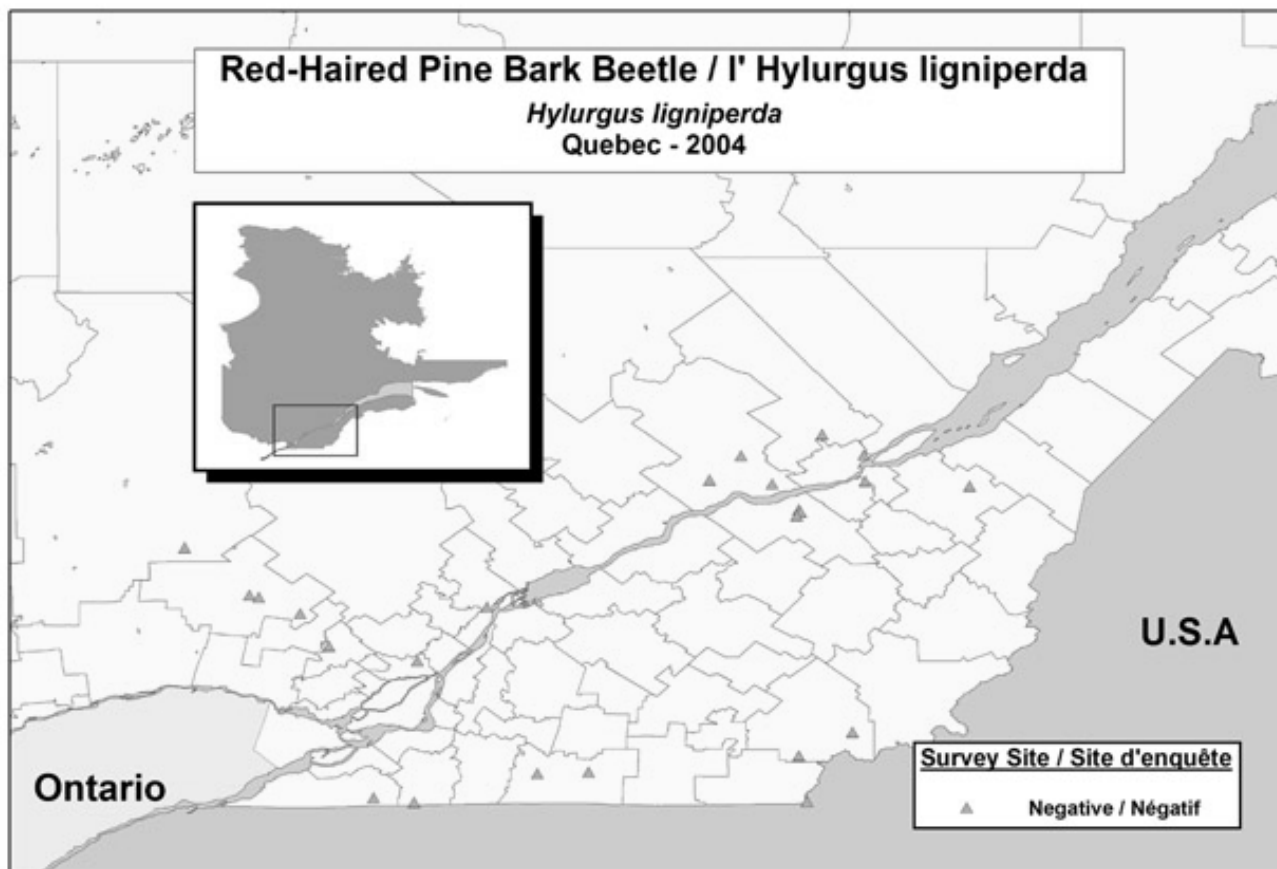






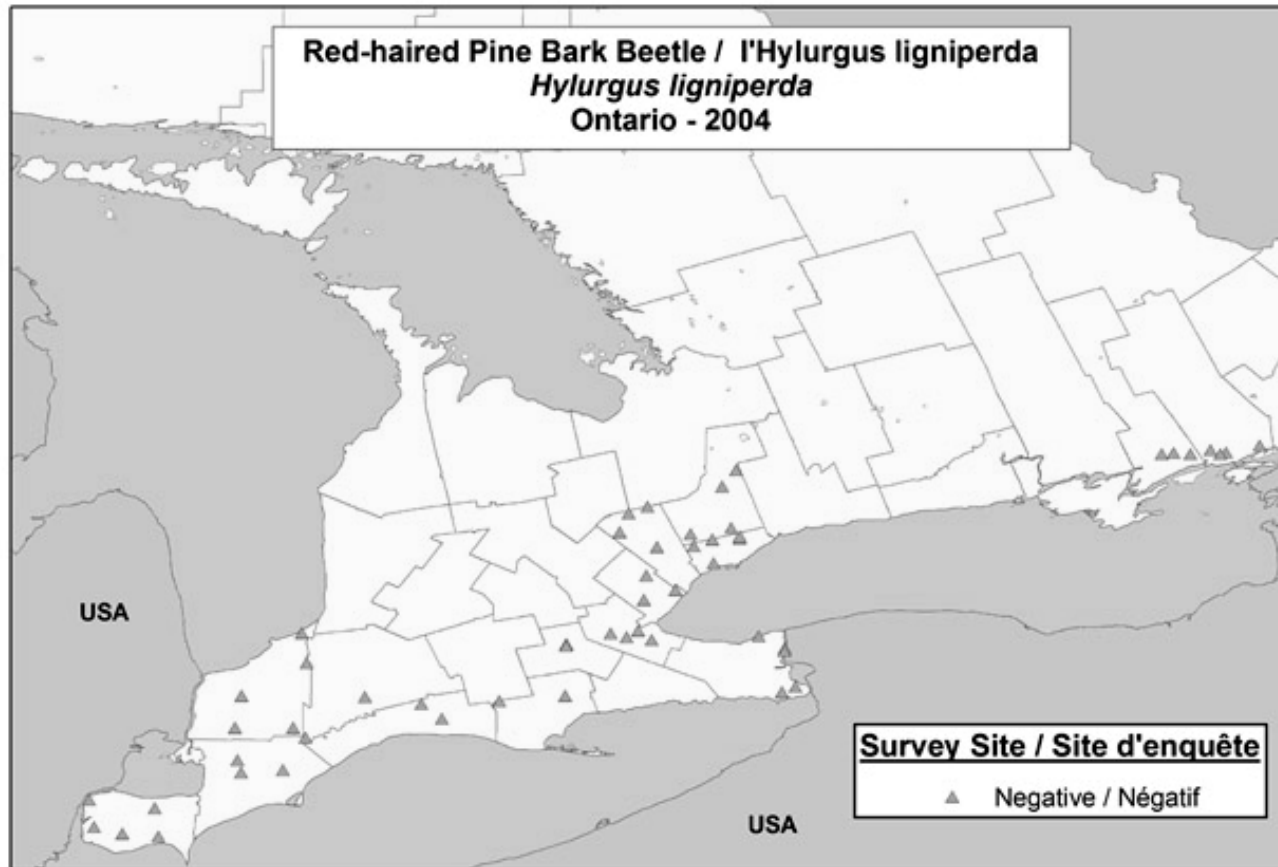
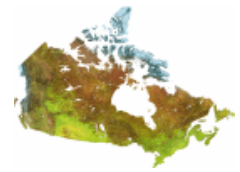
# Ongoing Monitoring





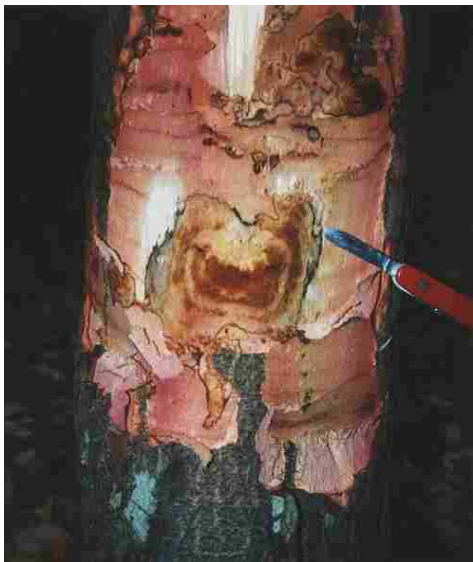
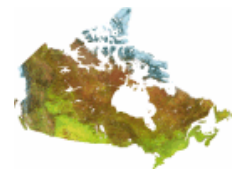
Canada



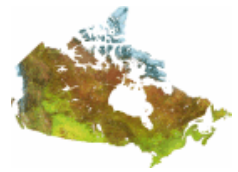


Canada





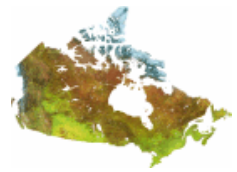
***Phytophthora ramorum*** Werres, De Cock & Man



- **Detected in British Columbia in 2003, 2004 and 2005**

Source : Rioux et coll. 2005



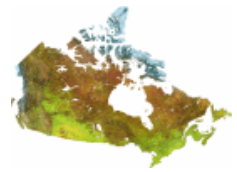


# Threatened Resources

- **45 potentially infected genera**
- **The following threatened forest species: chestnut; oak (white, red, pin and chinquapin); sugar maple; tamarack; black walnut; balsam fir; trembling aspen**
- **Many undergrowth species**

Source : Rioux et coll. 2005





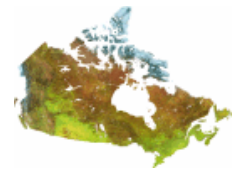
# Threatened Resources

## Volume of standing oak timber

- **Canada: 71 million m<sup>3</sup>**
  - **Ontario: 53 million m<sup>3</sup>**
  - **Quebec: 15 million m<sup>3</sup>**
  - **Nova Scotia: 3 million m<sup>3</sup>**

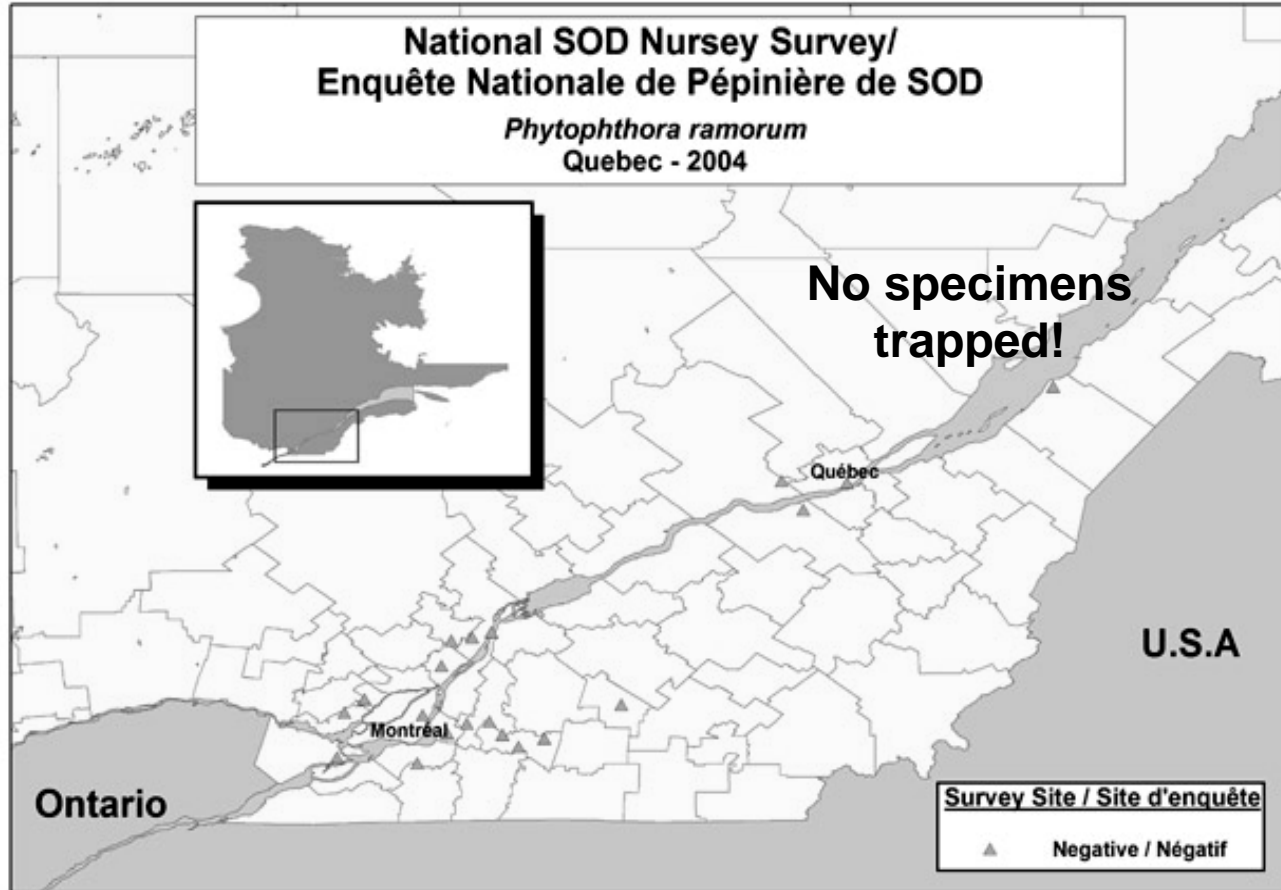
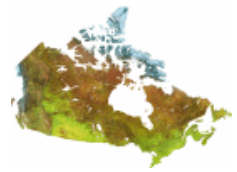
Source : Rioux et coll. 2005





# Ongoing Monitoring

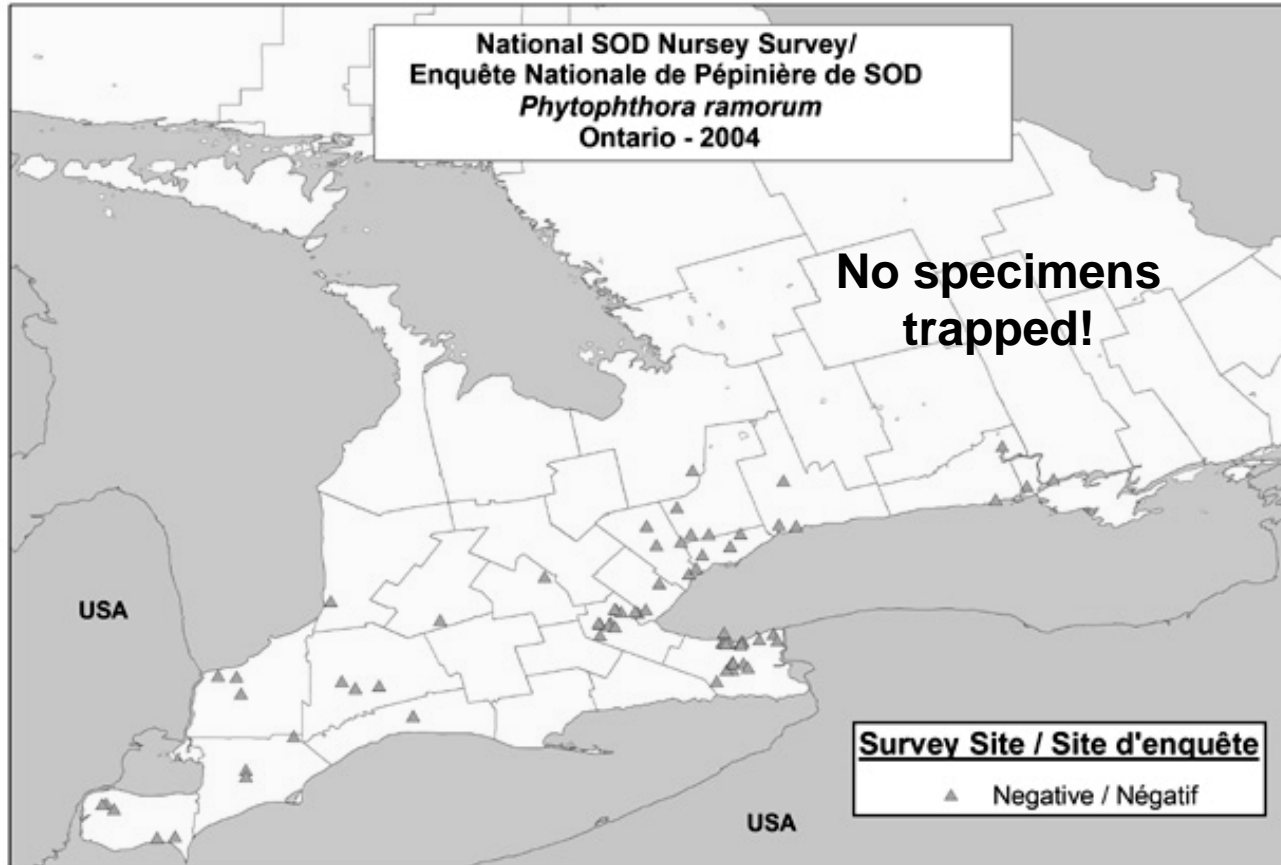
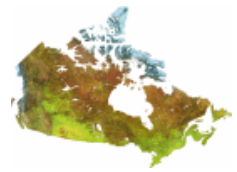




0 30 60 120 180 240 Kilometers

Canada

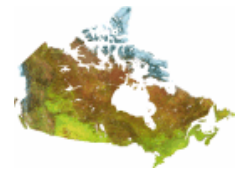




0 35 70 140 210 280 Kilometers

Canada





# Directive in Effect

- **D-01-01: Phytosanitary Requirements to Prevent the Entry of *Phytophthora ramorum***

Canadian Food Inspection Agency

<http://www.inspection.gc.ca/english/plaveg/protect/dir/d-01-01e.shtml>

