



Gypsy Moth Eradication Richmond 2010

1

MELANIE BOYCE, DEPUTY CHIEF FORESTER

TIM EBATA, FOREST HEALTH INITIATIVES OFFICER

JENNIFER BURLEIGH, PROVINCIAL ENTOMOLOGIST

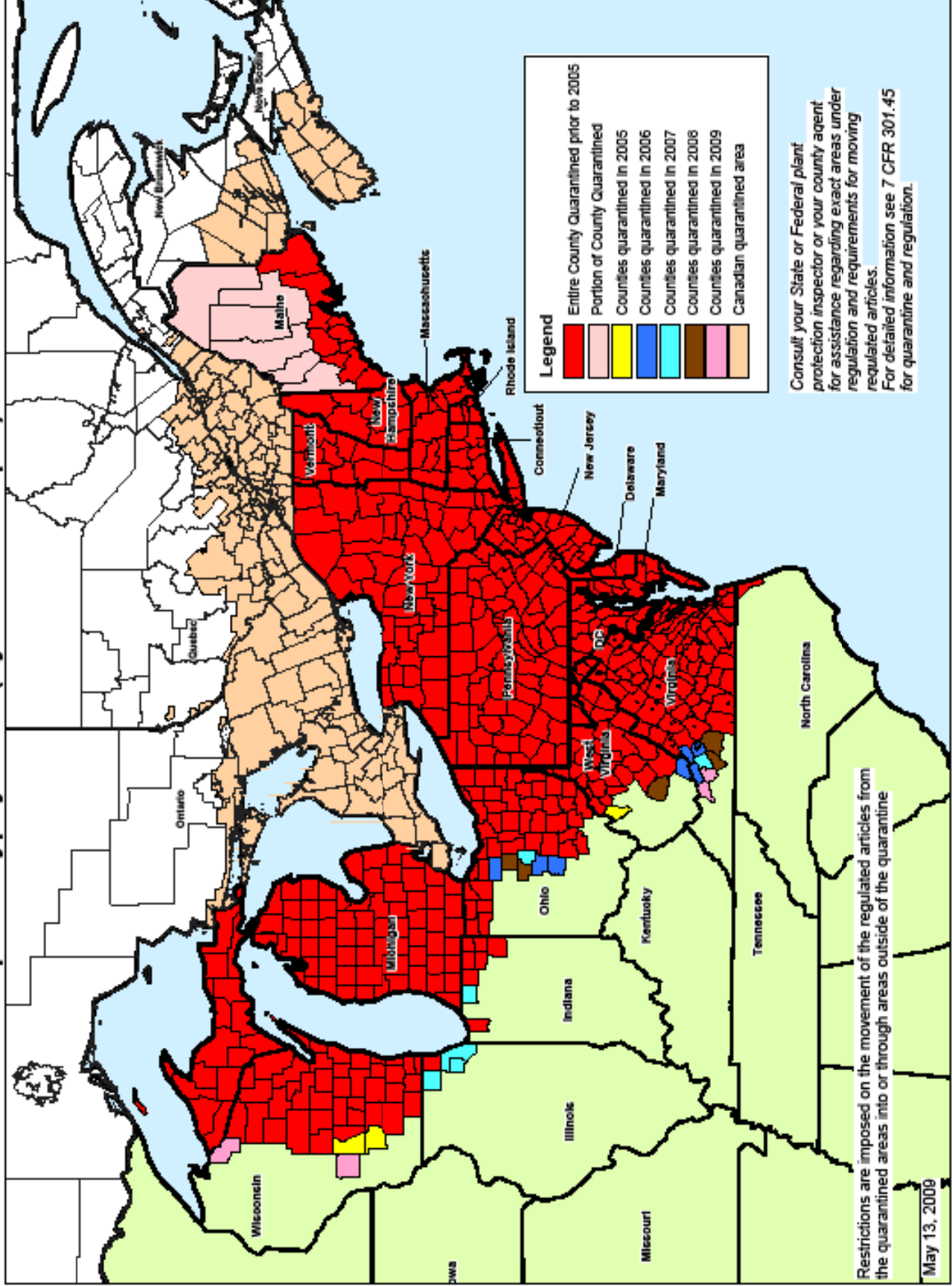


Gypsy Moth – What’s the risk?

2

- Gypsy moth is a threat to B.C.'s environment and economy.
- It attacks both natural forests and urban trees.
- An established gypsy moth population would pose a threat of quarantine and likely see trade restrictions.

European Gypsy Moth (*Lymantria dispar*) Quarantine





Gypsy Moth Management Program

4

- Gypsy moths have been intercepted and successfully eradicated in BC since 1970s.
- Inter-agency cooperation & an integrated pest management program have prevented the establishment of gypsy moth.
- Treatment options are carefully considered, and each recommendation is site specific, considering location, logistics and moth population.



Who Recommends Treatments?

5

- BC Plant Protection Advisory Council - Gypsy Moth Technical Advisory Committee:
 - Canadian Food Inspection Agency
 - Canadian Forest Service
 - Ministry of Agriculture and Lands
 - Ministry of the Environment
 - Ministry of Forests and Range
- Chair – Jennifer Burleigh, Ministry of Forests & Range

Gypsy Moth Biology

6
March - April



September - April

May - June



July - September







Trapping History

8

- CFIA conducts regular trapping for gypsy moth throughout the Province.
- Trapping results are presented to the technical advisory committee for discussion and action.

2008 Trapping Results for Richmond:

- Two consecutive positive traps with 1 moth in each trap (1 per square mile)

Action in 2009:

- Established higher density grid trapping program centered on the 2008 positive traps.



Trapping History in Richmond

9

2009 Trapping Results:

10 moths – multiple locations:

- North to Bridgeport
- South to Alderbridge Way
- West to Fraser River
- East between Garden City and #4 Road

Detections prompted a ground search for egg masses

- 7 egg masses were found along median on Garden City Way





Operations

11

- **3 Applications to the treatment area**
 - Anticipate each treatment will take 2-3 mornings
 - Each treatment is approximately 10 days apart, the first likely occurring in early May
 - Application will be conducted by a twin engine aircraft

- **Air operations**
 - Start at legal daylight ~ 4:50 a.m. in May and 4:11 a.m. in June
 - Permit will specify treatment end time, likely between 7:30 and 8 a.m.



Gypsy Moth – Permit Time Frames

12

Pesticide Use Permit:

- Application advertised November 18th – 19th, starting the 30 day public comment period.
- Government comment period ends January 15th 2010.
- Decision on permit application expected in February 2010.
- If permit issued, news releases and advertisements within 15 days of permit being issued.
- From date permit issued, there is a 30 day appeal period to the Environmental Appeal Board.



Treatment Period Communications

13

Insect development monitored using biological models and local temperatures.

- 7-10 before anticipated **first** spray we issue an Information Bulletin and place ads in the Richmond News and Review, Ming Pao and Sing Tao.
- Media Advisory sent to local media (radio & tv) 24 hours before **each** aerial treatment.
- Any school, daycare, hospital, and seniors housing facility in the treatment area will be notified by phone the day before **each** spray.
- Media Advisory sent to media in treated areas announcing the treatment is complete.



Information Sources

14

- www.for.gov.bc.ca/hfp/gypsymoth/
- Up to date information throughout the spray program.
- **Email Listserv:**
 - Sends e-mails announcing all stages of the program.
- **Gypsy Moth Hotline**
 - Recorded message with up to date information on status of treatment program.
 - Answered during office hours, messages promptly responded to.