



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

Canadian Food Inspection Agency



Our vision:

To excel as a science-based regulator, trusted and respected by Canadians and the international community.

Our mission:

Dedicated to safeguarding food, animals and plants, which enhances the health and well-being of Canada's people, environment and economy.

Highly Pathogenic Avian Influenza Zoning Arrangement Implementation Canada –US 2014-15

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Canada

Zoning for Foreign Animal Diseases

OUTCOME:

- Work towards establishing a common framework for zoning for foreign animal diseases (FADs), to apply to both Canada and the United States.

OBJECTIVE:

- To ensure that Canada and the United States are protected against FADs and that, in the event of a disease outbreak in either country, bilateral trade can continue between zones that are free of the disease.

Why an FAD Zoning Recognition Initiative?

- Highly integrated North American market for livestock, meat and meat products
- High volume of cross border trade
- Well-established business relationships and partnerships
- Potential for major economic loss
- Response to stakeholder interest

Accomplishments

- Evaluation of Veterinary Infrastructure and Zoning Processes in the United States and Canada.
- An arrangement between the U.S. Department of Agriculture (USDA) and the Canadian Food Inspection Agency (CFIA) outlining the intention of each to recognize the other's zoning decisions in the event of a highly contagious FAD outbreak.
- A Framework to guide implementation of the Arrangement



Guidance Framework for Implementing the Zoning Recognition Arrangement

Introduction

- Draft framework developed by a USDA-CFIA bilateral working group.
- Scope is highly contagious foreign animal disease in domestic livestock. It does not include endemic disease (e.g. rabies, anthrax). It does not include pets, wildlife or fish.
- Draft framework was made available for public comment:
 - APHIS published a Federal Register Notice on May 13, 2014
 - CFIA published on the Agency's web site on June 11, 2014
 - Response to comments expected to be published by Fall 2015

Framework Objectives and Guiding Principles

Objectives:

- An operational plan for zoning recognition
- A structure for maintaining the arrangement
- A strategy to engage with stakeholders

Guiding Principles:

- Preparing for and limiting the negative impacts of a highly contagious FAD outbreak is a **shared responsibility**
- Ongoing **cooperation** among all stakeholders is required
- In-depth knowledge and trust in FAD management practices in each country is critical to the **credibility** of the Arrangement and supports good decision-making.

Part 1: Implementing the Arrangement During an Outbreak

1. Legal Authority: who has the authority to establish zones and to recognize zones in other countries

2. Procedures for Recognition of Zoning Decisions:
 - Notification of HCFAD: a requirement to notify the other country of all confirmed detections of an FAD
 - Notification and Recognition of an Area of Control
 - Release of an Area of Control
 - Extenuating Circumstances

Part 1: Implementing the Arrangement During an Outbreak (cont'd)

3. Monitoring During an Outbreak

- Qualified staff members of unaffected country embedded in Incident Command Structure

4. Communications:

- Normal channels, coordinated between countries

5. Trade between Disease-Free Zones

- Once an area of control has been recognized, normal trade resumes between disease-free zones
- Export health certificates required to ensure animals/products did not originate from area of control

Part II: Maintaining the Arrangement

1. Governance

- Vision, authority, responsibility, maintenance of documents
- APHIS-CFIA Steering Committee
- APHIS-CFIA Working Group

2. Projects

- In most cases, led by the Working Group
- In collaboration with stakeholders

3. Resources

Part III: Promoting Stakeholder Awareness and Engagement

1. Consultation and Engagement
 - Involvement of governmental/nongovernmental stakeholders in both countries critical to success
2. Target Audience
3. Consultation on Projects and Priorities
 - Solicit proposals and input on projects
4. Communication/Consultation
 - Through various avenues including established groups such as Cross-Border Livestock Health Committee, US Animal Health Association, National Farmed Animal Health and Welfare Council.

In summary.....

- Evaluation of Veterinary Infrastructure and Zoning Processes
- Arrangement for the Recognition of Foreign Animal Disease Control and Eradication Zones
- Guidance Framework to Maintain the Arrangement
 - Implementing during an outbreak
 - Maintaining the Arrangement
 - Engaging stakeholders in the Arrangement

Work Plans for 2015/16

- Conduct joint after-action assessment of the functioning of the Zoning Recognition Arrangement and Guidance Framework in response to recent avian influenza outbreaks in the United States and Canada and make any updates to the Guidance Framework as necessary.
- Embed zoning recognition into currently available training and exercises
- Prepare and publish a bilateral public summary of stakeholder feedback from the 2014 consultation process
- Post updated Guidance Framework with updates from public consultation and post-avian influenza assessment
- Work with disease and economic modeling experts (North American Virtual Animal Disease Modelling Center – NAVADMC) to develop targeted consequence assessments and other tools to further inform zoning decisions.

IMPLEMENTATION DURING HPAI 2014-15



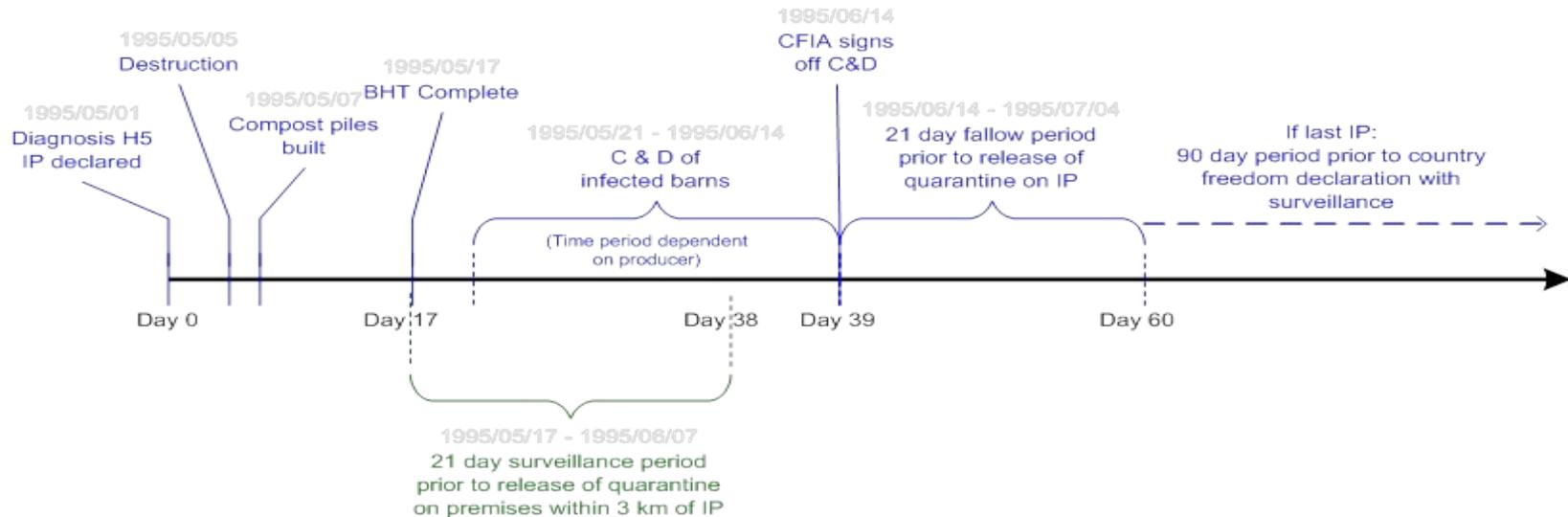
Disease Control Actions

- The Notifiable Avian Influenza Hazard Specific Plan guides the CFIA's investigation and disease control actions when NAI is detected, including:
 - Zoning and movement controls
 - Surveillance and tracing
 - Depopulation and disposal
 - Cleaning and disinfection
- Activation of:
 - National Emergency Operations Centre (NEOC) in Ottawa
 - Area Emergency Operations Centre (AEOC)

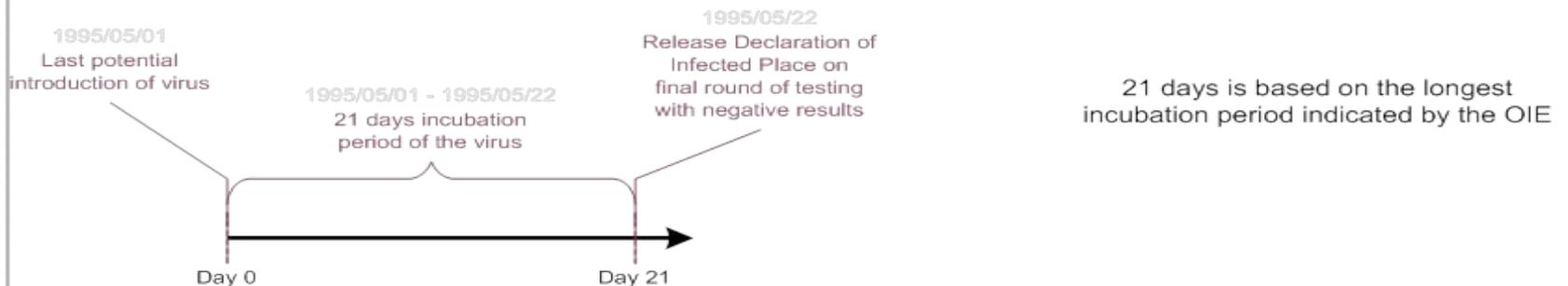
Individual Disease Control Measures

Potential Timelines for Quarantine Release

Infected Premises (IP)



Significant Contact Premises



Zoning during the NAI-BC 2014-15

- The Primary Control Zone (PCZ) was declared by the Agriculture Minister on Dec. 8, 2014
 - Bounded by the Pacific Ocean, the United States border, Highway 16 and the Alberta border
 - Covers almost half of the province's 944,735 square kilometers
- Three sub-zones:
 - Infected zones (1 km radius around known infected premises)
 - Restricted zones (10 km)
 - Security zone (remainder of the PCZ)

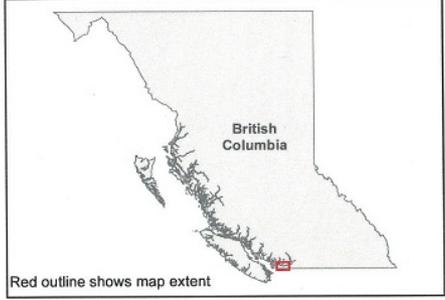
Primary Control Zone



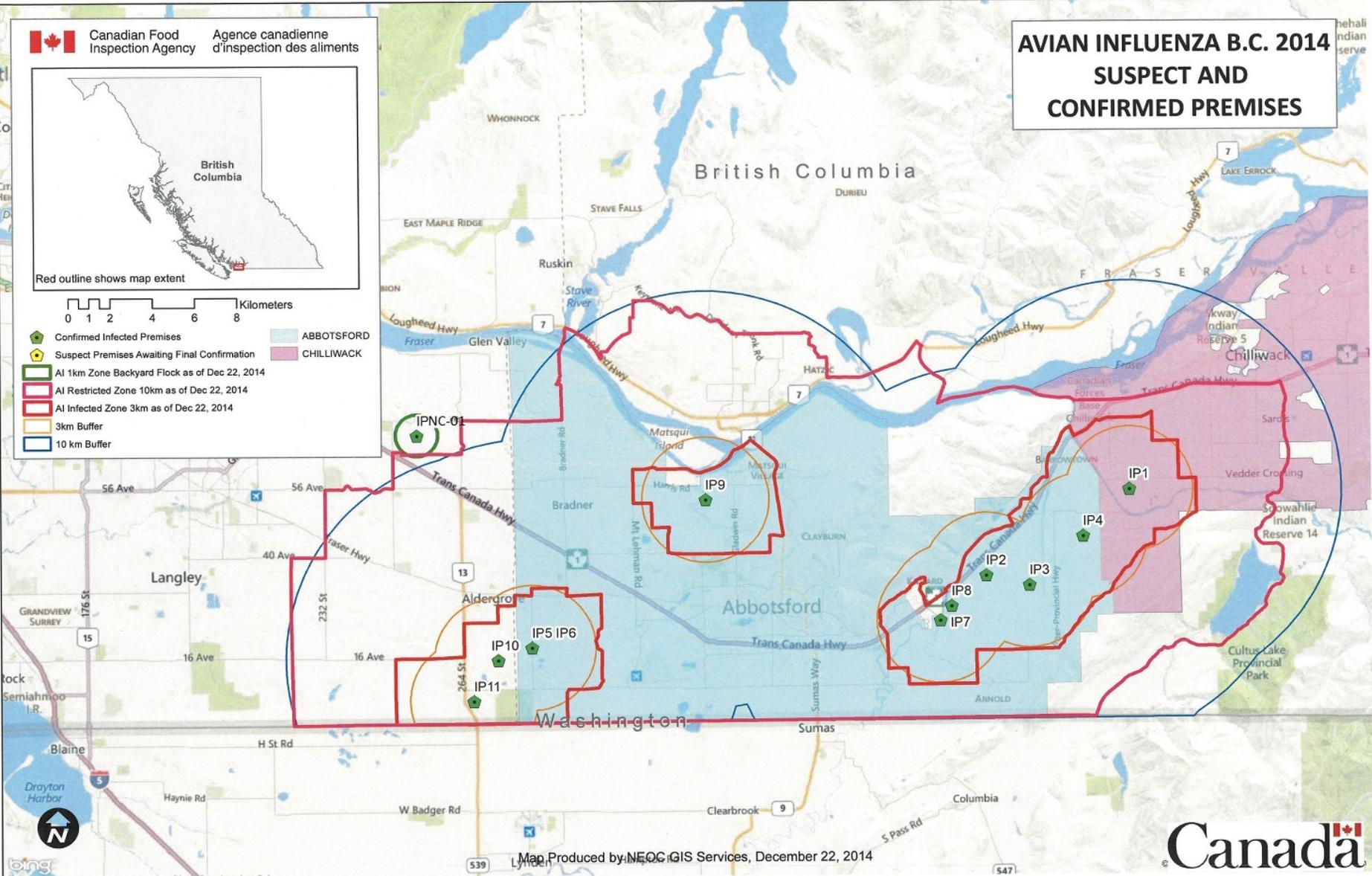
**AVIAN INFLUENZA
PRIMARY CONTROL ZONE
BRITISH COLUMBIA
2014**



AVIAN INFLUENZA B.C. 2014
SUSPECT AND
CONFIRMED PREMISES



-  Confirmed Infected Premises
-  Suspect Premises Awaiting Final Confirmation
-  AI 1km Zone Backyard Flock as of Dec 22, 2014
-  AI Restricted Zone 10km as of Dec 22, 2014
-  AI Infected Zone 3km as of Dec 22, 2014
-  3km Buffer
-  10 km Buffer



Map Produced by NEOC GIS Services, December 22, 2014

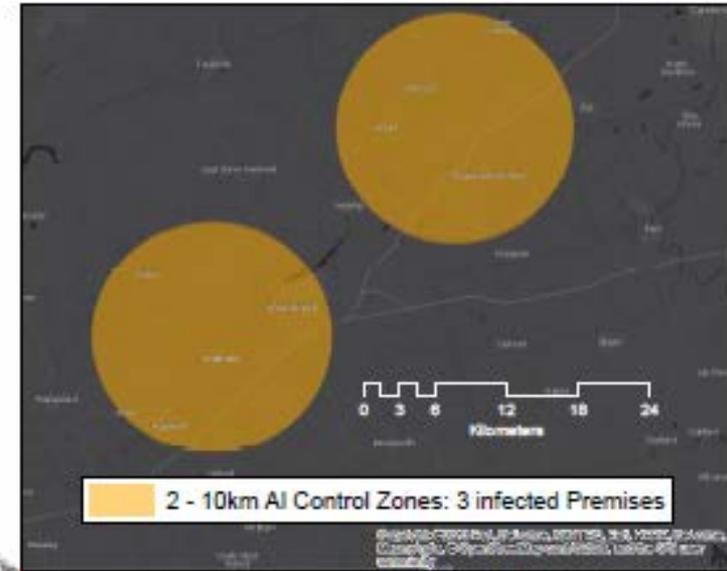
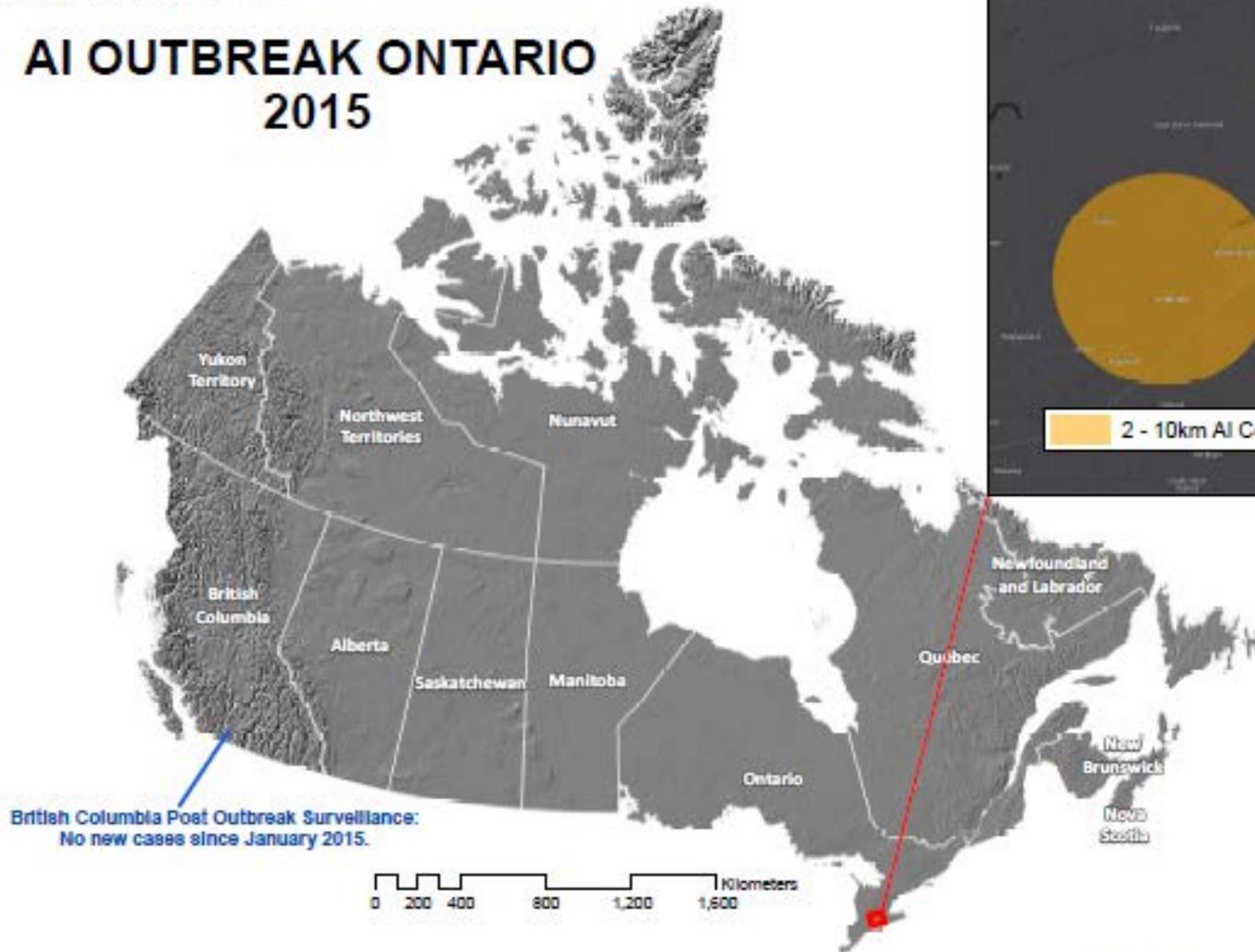
Zoning during the NAI-ON 2015

- The first Avian Influenza Control Zone (AICZ) was established on April 11.
- The boundary covers a 10km radius from the single premises confirmed to be infected with avian influenza, located in Oxford County, Ontario.
- The second AICZ was established on April 21.
- The boundary covers a 10km radius from the second premises confirmed to be infected with avian influenza. The zone spans across a portion of Oxford County and Waterloo County, Ontario

Avian Influenza Control Zones

LEBONNE FOOD Inspection Agency
AGENCE D'INSPECTION D'ÉLEVATION DES ANIMAUX

AI OUTBREAK ONTARIO 2015



Map Produced By: NEOG GIS Services April 26, 2015

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Avian Influenza Control Zones Ontario 2015



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Procedure during the notification of zoning

- Establishment of the zone by CFIA
- Submission for recognition package by CFIA
- Discussion and decision (CFIA-APHIS)
- Certification amendment if needed (CFIA-APHIS)
- Decision sharing with stakeholders (internal and external) (CFIA-APHIS)

Notification of Zoning to Control a Foreign Animal Disease Outbreak

Affected Country	Canada	
Disease Agent	Highly pathogenic avian influenza (HPAI) H5N2	
Zoning Decision	<input checked="" type="checkbox"/> New area of control	
	<input type="checkbox"/> Change to existing area of control	
	<input type="checkbox"/> Release of area of control	
Outbreak Summary	<p><i>Briefly summarize the outbreak to date or provide links to OIE reports:</i> On April 8, 2015, NCFAD confirmed HPAI H5N2 in a commercial meat turkey flock in Oxford County, Ontario. The affected premises has four barns containing birds aged 16 weeks, 14 weeks, 8 weeks and 6 weeks respectively. The total number of birds on the farm was 44,785.</p> <p>Clinical sign first appeared on April 1, 2015 with significant mortalities in the barn with 16 week old birds by April 3, 2015. Samples were submitted on April 3, 2015 for initial testing by the private veterinarian to the Animal Health Laboratory at the University of Guelph. A preliminary finding of H5 was made on April 5, 2015 by AHL and CFIA was notified.</p> <p>The affected premises was quarantined by CFIA on April 6. Premises within a 5 km zone were also placed under precautionary quarantine. Depopulation of the infected premises began on April 9 with barns 1 and 2 depopulated. Barns 3 and 4 were depopulated on April 10. The rest of the premises in the 10 Km zone with susceptible species (including backyard flocks) were placed under quarantine thereby establishing movement control through quarantines and licenses. Surveillance is being conducted throughout the control zone.</p>	
Boundaries	<p><i>Provide a written description of the area of control boundaries and attach map:</i></p> <p>The municipalities involved in Oxford county are Norwich, South-West Oxford, Ingersoll, Zorra, East-Zorra, Tavistock and Woodstock. Postal codes starting with NOJ, N0M, N4S, N4T, N4V, NSC are applicable. Road directions to follow.</p>	
Response Policy	<input checked="" type="checkbox"/> Stamping out	<input type="checkbox"/> Other (describe below)

Invitation for Monitoring: I hereby invite one or more qualified staff members of the partner country to embed in and monitor the outbreak response, beginning immediately. Please contact the person below to arrange.

Contact name: Dr. Mohit Baxi
 Title: Director, Animal Import and Export Division
 Email: mohit.baxi@inspection.gc.ca
 Phone: 613 – 773 - 7127

Certification: I certify that the information above is accurate and complete to the best of my knowledge, and request recognition of these zoning decisions for the purposes of U.S.-Canada trade.


 Signature of the CVO of the affected country

April 11, 2015
 Date

Approval: I have reviewed the above information and approve recognition of these zoning decisions by my agency for the purposes of U.S.-Canada trade.

Signature of the CVO of the partner country

Date



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RCC arrangement on zoning

- Used the first time by Canada in December 8, 2014
- Canada recognized zones in US during the outbreaks along the pacific flyway Dec 2014- March 2015
- Canada has recognized zones in US during the outbreaks along the Mississippi flyway Mar to date
- US had recognized the 2 AICZs in Ontario in April-Mai 2015
- Continuous work on new request from US
- After-action in peace time to discuss ways for improvement.

QUESTIONS?



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