## Follow-up report No.4


### Report Summary

**Name of sender of the report**
Dr Martine Dubuc

**Position**
OIE Delegate for Canada, Chief Food Safety Officer Vice-President, Science Branch

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Ottawa, Ontario K1A 0V9 Ottawa

**Telephone**
+1 613 773 5722

**Fax**
+1 613 773 5797

**Email**
martine.dubuc@inspection.gc.ca

**Date submitted to OIE**
08/01/2015

### Animal type
Terrestrial

### Disease
Highly pathogenic avian influenza

### Causal Agent
Highly pathogenic avian influenza virus

### Serotype(s)
H5N2

### Date of report
08/01/2015

### Date of start of the event
30/11/2014

### Date of pre-confirmation of the event
01/12/2014

### Date of last occurrence
01/2008

### Reason
Reoccurrence of a listed disease

### Diagnosis
Laboratory (advanced)

### Country or zone
a zone or compartment

### Clinical signs
Yes

### Number of reported outbreaks
submitted= 12, Draft= 0

### Outbreak details

#### Province
BRITISH COLUMBIA

#### COUNTRY other report
- submitted

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Farm</td>
<td>Chilliwack</td>
<td>49.171042</td>
<td>-121.95099</td>
<td>30/11/2014</td>
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</tr>
</tbody>
</table>

#### Species
Birds

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animals</td>
<td>12800</td>
<td>700</td>
<td>700</td>
<td>12100</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Affected Population
Chicken broiler breeder farm.
The affected barn holds a flock of 24 weeks of age (10% mortality).
An adjacent barn, not affected, contains a flock of 47 weeks of age.

#### Province
BRITISH COLUMBIA

#### COUNTRY other report
- submitted

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
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<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.052273</td>
<td>-122.30595</td>
<td>30/11/2014</td>
<td></td>
</tr>
</tbody>
</table>

#### Species
Birds

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animals</td>
<td>28000</td>
<td>7700</td>
<td>7700</td>
<td>20300</td>
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</table>

#### Affected Population
Meat turkey farm
Affected barn: 83 days of age toms (70% mortality).
In addition, hens and 2 week old poults on the premises with normal mortality rate.

#### Province
BRITISH COLUMBIA

#### COUNTRY other report
- submitted

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
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<th>End Date</th>
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<tr>
<td>BRITISH COLUMBIA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.052273</td>
<td>-122.30595</td>
<td>30/11/2014</td>
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</table>

#### Species
Birds

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animals</td>
<td>27200</td>
<td>22</td>
<td>22</td>
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</tr>
</tbody>
</table>

#### Affected Population
Chicken broiler breeder farm.
Affected barn holds hens and roosters 41 week old (sudden death).
In addition, 7 and 59 week old hens and roosters on the premises with normal mortality rates.
<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
<td>-</td>
<td></td>
<td></td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.052273</td>
<td>-122.30595</td>
<td>03/12/2014</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Measuring units:   
- Susceptible:   
- Cases:   
- Deaths:   
- Destroyed:   
- Slaughtered:   

**Affected Population**

- BC-2014-NAI-003
  - Chicken broiler breeder farm.
  - Affected barn holds hens and roosters 37 week old (sudden death).
  - In addition, 7 week old pullets on the premises with normal mortality rate.

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<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
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<td></td>
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<td>Farm</td>
<td>Abbotsford</td>
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</table>

**Species**

- Measuring units:   
- Susceptible:   
- Cases:   
- Deaths:   
- Destroyed:   
- Slaughtered:   

**Affected Population**

- BC-2014-NAI-005
  - Meat turkey farm.
  - One barn affected 9 week old birds, high mortality. In addition, 4 and 14 week old birds on premises with normal mortality rates.

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<table>
<thead>
<tr>
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<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
<td>-</td>
<td></td>
<td></td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.05227</td>
<td>-122.30595</td>
<td>08/12/2014</td>
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</tr>
</tbody>
</table>

**Species**

- Measuring units:   
- Susceptible:   
- Cases:   
- Deaths:   
- Destroyed:   
- Slaughtered:   

**Affected Population**

- BC-2014-NAI-007
  - Chicken broiler breeders.

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<table>
<thead>
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<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
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<tbody>
<tr>
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<td>Farm</td>
<td>Abbotsford</td>
<td>49.05227</td>
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</tbody>
</table>

**Species**

- Measuring units:   
- Susceptible:   
- Cases:   
- Deaths:   
- Destroyed:   
- Slaughtered:   

**Affected Population**

- BC-2014-NAI-006
  - Meat turkey.

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<table>
<thead>
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<th>Province</th>
<th>Number of outbreaks</th>
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<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
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</thead>
<tbody>
<tr>
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<td></td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.05227</td>
<td>-122.30595</td>
<td>09/12/2014</td>
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</tbody>
</table>

**Species**

- Measuring units:   
- Susceptible:   
- Cases:   
- Deaths:   
- Destroyed:   
- Slaughtered:   

**Affected Population**

- BC-2014-NAI-008
  - Chicken broiler breeders.

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Follow-up report No.: 4, Report reference: CAN-2014-NAI-001, OIE Ref: 16903, Report Date: 08/01/2015, Country: Canada
<table>
<thead>
<tr>
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<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
<td>- Farm</td>
<td>Abbotsford</td>
<td>49.05227</td>
<td>-122.30595</td>
<td>10/12/2014</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
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</tr>
<tr>
<td>Birds</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Province</th>
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<th>Longitude</th>
<th>Start Date</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
<td>- Farm</td>
<td>Langley</td>
<td>49.10595</td>
<td>-122.63719</td>
<td>13/12/2014</td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
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<tr>
<td>Birds</td>
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</tr>
<tr>
<td>Affected Population</td>
<td>BC-2014-NAI-010</td>
<td>Table egg layer farm.</td>
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</table>

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<tr>
<th>Province</th>
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<th>Longitude</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA-other report - submitted</td>
<td>- Farm</td>
<td>Langley</td>
<td>49.10595</td>
<td>-122.63719</td>
<td>17/12/2014</td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>60</td>
<td>60</td>
<td>11740</td>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>Province</th>
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<th>District</th>
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<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA- (this report - submitted)</td>
<td>- Backyard</td>
<td>Langley</td>
<td>49.10595</td>
<td>-122.63719</td>
<td>19/12/2014</td>
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<td></td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>82</td>
<td>3</td>
<td>82</td>
<td>0</td>
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<td></td>
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</tr>
<tr>
<td>Affected Population</td>
<td>BC-2014-NAI-012</td>
<td>Hobby breeder, non-commercial flock with a variety of birds (ducks, geese, turkeys, chickens).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Outbreak summary: Total outbreaks = 12 (Submitted)

**Epidemiology**

**Epidemiological comments**
The only new outbreak in this report is a non-commercial (backyard) flock located in the same area than all other outbreaks in the province of British Columbia. Depopulation of all infected farms was finalized on 20 December 2014. Cleaning and disinfection of infected premises is underway, under the supervision of the Canadian Food Inspection Agency (CFIA). Movement restrictions and enhanced surveillance within the primary control zone established by the CFIA continue to apply. The Canadian Avian Influenza Surveillance System (CanNAISS) is still ongoing in the rest of Canada.

**Source of the outbreak(s) or origin of infection**
- Unknown or inconclusive

**Measures applied**

Applied  | To be applied
<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• stamping out</td>
<td>• no planned control measures</td>
</tr>
<tr>
<td>• quarantine</td>
<td></td>
</tr>
<tr>
<td>• movement control inside the country</td>
<td></td>
</tr>
<tr>
<td>• screening</td>
<td></td>
</tr>
<tr>
<td>• zoning</td>
<td></td>
</tr>
<tr>
<td>• disinfection of infected premises/establishment(s)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Animals treated</th>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Future Reporting**

The event is continuing. Weekly follow-up reports will be submitted.
Outbreak maps

[Image of a map showing outbreak locations with symbols indicating continuing domestic cases, international boundaries, and administrative boundaries.]

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