Follow-up report No.: 4
Report reference: , OIE Ref: 7082, Report Date: 01/06/2008, Country: Japan

Report Summary

Disease: Highly pathogenic avian influenza
Animal type: Terrestrial
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N1
Clinical Signs: No
Reason: Reoccurrence of a listed disease
Date of first confirmation of the event: 25/04/2008
Date of Start of Event: 18/04/2008
Date of report: 01/06/2008
Date Submitted To OIE: 02/06/2008
Diagnosis: Laboratory (basic), Laboratory (advanced)
Date Of Last Occurrence: 2007
Number Of Reported Outbreaks: Submitted= 5, Draft= 0
Name of Sender of the report: Dr. Toshiro Kawashima
Address: International Animal Health Affairs Office
Animal Health Division
Food Safety and Consumer Affairs Bureau
1-2-1 Kasumigaseki
Chiyoda-ku
Tokyo 100-8950
Telephone: (81-3) 3502 0767
Email: animal_health@nm.maff.go.jp

Outbreak (this report - submitted)
AOMORI
Unit Type: Not applicable
Location: Towada city
Latitude: 40.2528
Longitude: 140.5333
Start: 18/04/2008
End: 2007
Species: Wild species
Measuring units: Animals
Susceptible Cases: 0
Deaths: 0
Destroyed: 0
Slaughtered: 0
Affected Population: Swan

Outbreak (other report - submitted)
AKITA
Unit Type: Not applicable
Location: Kosaka Town
Latitude: 40.1939
Longitude: 140.4549
Start: 21/04/2008
End: 2007
Species: Wild species
Measuring units: Animals
Susceptible Cases: 4
Deaths: 4
Destroyed: 0
Slaughtered: 0
Affected Population: Swans

Outbreak (other report - submitted)

HOKKAIDO

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Betsukai town</td>
<td>43,3351</td>
<td>145,2115</td>
<td>24/04/2008</td>
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</tr>
</tbody>
</table>

Species: Measuring units

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild species</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population: swan

Outbreak (other report - submitted)

HOKKAIDO

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Saroma town</td>
<td>44,0549</td>
<td>143,5437</td>
<td>05/05/2008</td>
<td></td>
</tr>
</tbody>
</table>

Species: Measuring units

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild species</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population: swan

Outbreak (this report - submitted)

AOMORI

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Towada city</td>
<td>40,283</td>
<td>140,5627</td>
<td>08/05/2008</td>
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</tr>
</tbody>
</table>

Species: Measuring units

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild species</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population: Swan

Outbreak summary: Total outbreaks = 5 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild species</td>
<td></td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

Outbreak in Akita

Until the 1st June 2008, no unusual incidents have been reported in the Akita and Iwate prefectures.

Outbreak in Hokkaido

1) Betsukai town

Until the 1st June 2008, no unusual incidents have been observed.

2) Saroma town

Until the 1st June 2008, no unusual incidents have been observed.

Outbreak in Aomori

H5N1 strain of highly pathogenic avian influenza was detected in two swans found dead or weakened on the shores of Lake Towada in Aomori Prefecture. Aomori prefecture authorities reported it on 22 May. Among the two swans in Aomori Prefecture, there was a weak one that was found on
18 April on Lake Towada's southern side; the other was found dead on 8 May in the northern part of Towada. Until the 1st June 2008, no unusual incidents have been observed.

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

Control Measures

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

Country / Zone

<table>
<thead>
<tr>
<th>Country or zone</th>
<th>the whole country</th>
</tr>
</thead>
</table>

Diagnostic test results

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date Results Provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private Laboratory</td>
<td>Avian Zoonosis Research Centre (Tottori University)</td>
<td>Wild species</td>
<td>neuraminidase inhibition assay</td>
<td>22/05/2008</td>
<td>Positive</td>
</tr>
<tr>
<td>Private Laboratory</td>
<td>Avian Zoonosis Research Centre (Tottori University)</td>
<td>Wild species</td>
<td>pathogen isolation by egg inoculation</td>
<td>22/05/2008</td>
<td>Positive</td>
</tr>
<tr>
<td>Private Laboratory</td>
<td>Avian Zoonosis Research Centre (Tottori University)</td>
<td>Wild species</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>22/05/2008</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

What further reports will be submitted in relation to this event?

There are 5 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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