**Follow-up report No.: 3**


### Report Summary

**Disease**
Highly pathogenic avian influenza

**Animal type**
Terrestrial

**Causal Agent**
Highly pathogenic avian influenza virus

**Seroype(s)**
H5N1

**Clinical Signs**
Yes

**Reason**
Reoccurrence of a listed disease

**Date of first confirmation of the event**
19/12/2010

**Date of report**
23/01/2011

**Date Submitted To OIE**
25/01/2011

**Date Of Last Occurrence**
01/04/2009

**Diagnosis**
Clinical, Laboratory (basic), Laboratory (advanced), Necropsy

**Number Of Reported Outbreaks**
Submitted= 5, Draft= 0

**Name of Sender of the report**
Dr Toshiro Kawashima

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Ministry of Agriculture, Forestry and Fisheries
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**Fax**
(81-3) 3502 3385

**Email**
animal_health@nm.maff.go.jp

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### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Province</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>TOYAMA</td>
<td>Takaoka city</td>
<td>Kojo</td>
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<td>Takaoka kojo (Old Castle) Park Zoo</td>
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<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>
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</thead>
<tbody>
<tr>
<td>Wild species</td>
<td>Animals</td>
<td>14</td>
<td>4</td>
<td>4</td>
<td>10</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**
Captive wild birds: 10 Cygnus olor (mute swans) [4 mute swans died], 2 ducks and 2 Cygnus atratus (black swans)

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<tbody>
<tr>
<td>KAGOSHIMA</td>
<td>Izumi city</td>
<td>Not applicable</td>
<td>Izumi Crane Park</td>
<td>32.102814</td>
<td>130.274954</td>
<td>16/12/2010</td>
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<td>5</td>
<td>0</td>
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### Affected Population

- **Grus monacha** (hooded crane)

#### Outbreak (other report - submitted)

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<tr>
<td>FUKUSHIMA</td>
<td>Koriyama city</td>
<td>Not applicable</td>
<td>Toyoda-cho water purification facility (water reservoir)</td>
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<td>HOKKAIDO</td>
<td>Hamanaka-cho</td>
<td>Not applicable</td>
<td>Maruyamachirippu (swamp)</td>
<td>43.047314</td>
<td>145.016441</td>
<td>12/01/2011</td>
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</tr>
</tbody>
</table>

#### Species

- **Wild species**

#### Measuring units

- **Susceptible**

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<tbody>
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<td>1</td>
<td>1</td>
<td>0</td>
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</tr>
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### Species

- **Wild species**

#### Affected Population

- **Grus monacha** (hooded crane)

### Outbreak (other report - submitted)

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### Species

- **Wild species**

#### Affected Population

- **3 Cygnus cygnus** (whooper swan), 1 *Anas acuta* (northern pintail), 1 *Aythya genus* (wild duck)

### Outbreak summary: Total outbreaks = 5 (Submitted)

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#### Epidemiology

**Epidemiological comments**

On 19 January 2011, a weak whooper swan was detected near a swamp in Hamanaka-cho, Hokkaido. On 22 January 2011, Hokkaido University confirmed that an isolate from the bird contained highly pathogenic avian influenza virus subtype H5N1.

In addition, on 23 January 2011, the university confirmed that 4 other dead wild birds (2 whooper swans, 1 northern pintail and 1 wild duck (*Aythya genus*) collected near the swamp between 12 January 2011 and 19 January 2011 were also positive to HPAI subtype H5N1.

There are 4 poultry holders within 10 km around the swamp. Hokkaido confirmed there was no case in the holders.

**Source of the outbreak(s) or origin of infection**

- Unknown or inconclusive

### Control Measures

- **Applied**
  - Screening
  - No Planned Control Measures

- **Animals treated**
  - No
  - Vaccination Prohibited


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## Country / Zone

| Country or Zone | the whole country |

## 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>
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</thead>
<tbody>
<tr>
<td>OIE's Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Wild species</td>
<td>virus sequencing</td>
<td>23/01/2011</td>
<td>Positive</td>
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## Future Reporting

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

There are 0 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.