# Follow-up report No.3


## Report Summary

<table>
<thead>
<tr>
<th>Name of sender of the report</th>
<th>Dr Toshiro Kawashima</th>
<th>Telephone</th>
<th>(81-3) 3502 8295</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position</td>
<td>CVO</td>
<td>Fax</td>
<td>(81-3) 3502 3385</td>
</tr>
<tr>
<td>Address</td>
<td>Animal Health Division Food Safety and Consumer Affairs Bureau Ministry of Agriculture, Forestry and Fisheries 1-2-1 Kasumigaoka Chiyoda-ku Tokyo 100-8950</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:animal_health88@nm.maff.go.jp">animal_health88@nm.maff.go.jp</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date submitted to OIE</td>
<td>04/12/2014</td>
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</tbody>
</table>

### Animal type
- Terrestrial

### Disease
- Highly pathogenic avian influenza

### Causal Agent
- Highly pathogenic avian influenza virus

### Serotype(s)
- H5N8

### Reason
- Reoccurrence of a listed disease

### Country or zone
- the whole country

### Clinical signs
- No

### Number of reported outbreaks
- submitted= 3, Draft= 0

#### Outbreak details

<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>SHIMANE-other report - submitted</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TOTTORI- (this report - submitted)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>CHIBA-other report - submitted</td>
<td>-</td>
<td>Nagata-machi</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

#### Species
- Tundra Swan:Anatidae(Cygnus columbianus)
- Anatidae (unidentified): Anatidae (A natidae (incognita))

#### Measuring units
- Not applicable

#### Susceptible
- Animals

#### Cases
- 1

#### Deaths
- 0

#### Destroyed
- 0

#### Slaughtered
- 0

#### Affected Population
- 2 fecal samples from Cygnus columbianus (tundra swan)

#### Affected Population (species are unidentified since only fecal samples were collected)
- A fecal sample from Anatidae (species are unidentified since only fecal samples were collected)

### Outbreak summary
- Total outbreaks = 3 (Submitted)

### Species
- Tundra Swan: Anatidae (Cygnus columbianus)
- Anatidae (unidentified): Anatidae (A natidae (incognita))

### Measuring units
- Not applicable

### Susceptible
- Animals

### Cases
- 1

### Deaths
- 0

### Destroyed
- 0

### Slaughtered
- 0

### Affected Population
- 2 fecal samples from An imidae (species are unknown since only fecal samples were collected)

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<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>Tundra Swan</td>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Anatidae (unidentified)</td>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

### Epidemiology

#### Epidemiological comments

It was confirmed on 26 November 2014 that a fecal sample from Anatidae (wild birds, species unidentified) was positive for H5N8 influenza A virus. The samples had been collected on 18 November 2014 and were subject to virus isolation and RT-PCR. The confirmation tests on the pathogenicity of the virus were conducted by Tottori University and the result of gene sequencing indicated that a HA0 cleavage site of the amino acid sequence was consistent with that of highly pathogenic avian influenza virus (positive results from a fecal sample only and no clinical cases).

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

- Unknown or inconclusive

### Measures applied

#### Animals treated

- Vaccination Prohibited: Yes

#### Laboratory 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>Private Laboratory</td>
<td>Tottori University</td>
<td>Anatidae (unidentified)</td>
<td>virus isolation</td>
<td>23/11/2014</td>
<td>Positive</td>
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<tr>
<td>Private Laboratory</td>
<td>Tottori University</td>
<td>Anatidae (unidentified)</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>25/11/2014</td>
<td>Positive</td>
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<tr>
<td>Private Laboratory</td>
<td>Tottori University</td>
<td>Anatidae (unidentified)</td>
<td>gene sequencing</td>
<td>26/11/2014</td>
<td>Positive</td>
</tr>
<tr>
<td>Private Laboratory</td>
<td>Tottori University</td>
<td>Anatidae (unidentified)</td>
<td>haemagglutination inhibition test (HIT)</td>
<td>26/11/2014</td>
<td>Positive</td>
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<tr>
<td>Private Laboratory</td>
<td>Tottori University</td>
<td>Anatidae (unidentified)</td>
<td>neuraminidase inhibition assay</td>
<td>27/11/2014</td>
<td>Positive</td>
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</table>

### Future Reporting

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