Follow-up report No.2

Report Summary

Name of sender of the report  Mr Hans Wyss
Position  Chief Veterinary Officer
Address  3003 Berne LIEBEFELD BERNE
Telephone  (41-31) 323 8501
Fax  (41-31) 324 8256
Email  hans.wyss@bvet.admin.ch
Date submitted to OIE  11/09/2017

Animal type  Terrestrial
Date of report  11/09/2017
Disease  Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)
Date of start of the event  10/08/2017
Causal Agent  Highly pathogenic influenza A virus
Date of confirmation of the event  17/08/2017
Serotype(s)  H5N8
Date of last occurrence  22/03/2017
Reason  Recurrence of a listed disease
Country or zone  the whole country
Reason  Diagnosis
Laboratory (basic), Laboratory (advanced), Necropsy

Number of reported outbreaks  submitted= 6, Draft= 0

Outbreak details

<table>
<thead>
<tr>
<th>Cantons</th>
<th>Number of outbreaks</th>
<th>district</th>
<th>municipality</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>VAUD-other report - submitted</td>
<td>-</td>
<td>Yverdon-les-Bains</td>
<td>Yverdon-les-Bains</td>
<td>Not applicable</td>
<td>Lac de Neuchâtel</td>
<td>46.78</td>
<td>6.64</td>
<td>10/08/2017</td>
<td></td>
</tr>
</tbody>
</table>

Species: Mute Swan: Anatidae (Cygnus olor)
Measuring units: Animals
Susceptible: 2
Cases: 2
Deaths: 0
Killed and disposed of: 0
Slaughtered: 0

Affected Population: Two mute swans found dead.

<table>
<thead>
<tr>
<th>Cantons</th>
<th>Number of outbreaks</th>
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<td>Not applicable</td>
<td>Lac de Neuchâtel</td>
<td>46.78</td>
<td>6.64</td>
<td>24/08/2017</td>
<td></td>
</tr>
</tbody>
</table>

Species: Mallard: Anatidae (Anas platyrhynchos)
Measuring units: Animals
Susceptible: 1
Cases: 1
Deaths: 0
Killed and disposed of: 0
Slaughtered: 0

<table>
<thead>
<tr>
<th>Cantons</th>
<th>Number of outbreaks</th>
<th>district</th>
<th>municipality</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>VALAIS-other report - submitted</td>
<td>-</td>
<td>Le Bouveret</td>
<td>Port-Valais</td>
<td>Not applicable</td>
<td>Lac Léman</td>
<td>46.39</td>
<td>6.85</td>
<td>24/08/2017</td>
<td></td>
</tr>
</tbody>
</table>

Species: Mallard: Anatidae (Anas platyrhynchos)
Measuring units: Animals
Susceptible: 2
Cases: 2
Deaths: 0
Killed and disposed of: 0
Slaughtered: 0

<table>
<thead>
<tr>
<th>Cantons</th>
<th>Number of outbreaks</th>
<th>district</th>
<th>municipality</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>Fribourg - (this report - submitted)</td>
<td>-</td>
<td>Fribourg</td>
<td>Fribourg</td>
<td>Not applicable</td>
<td>Lac de Pêrolles</td>
<td>46.8</td>
<td>7.17</td>
<td>25/08/2017</td>
<td>31/08/2017</td>
</tr>
</tbody>
</table>

Species: Mute Swan: Anatidae (Cygnus olor)
Measuring units: Animals
Susceptible: 2
Cases: 2
Deaths: 0
Killed and disposed of: 0
Slaughtered: 0

Printed on: Mon Sep 11 16:55:06 CEST 2017
### Cantons
<table>
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<tr>
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<tr>
<td>VALAIS - (this report - submitted)</td>
<td>Le Bouveret</td>
<td>Port Valais</td>
<td>Not applicable</td>
<td>Lac Léman</td>
<td>46.38</td>
<td>6.87</td>
<td>25/08/2017</td>
<td>31/08/2017</td>
</tr>
</tbody>
</table>

### Species

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mute Swan:Anatidae(Cygnusolor)</td>
<td>Animals...</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Affected Population

#### Outbreak summary: Total outbreaks = 6 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mute Swan</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Mallard</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

### Epidemiology

#### Epidemiological comments

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

#### Measures applied

**Applied**
- surveillance within containment and/or protection zone
- zoning

**To be applied**
- no planned control measures

**Animals treated**
- Vaccination Prohibited

<table>
<thead>
<tr>
<th>No</th>
<th>Yes</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>National laboratory</td>
<td>National Reference Centre for Diseases of Poultry and Rabbits (NRGK)</td>
<td>Mallard</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>08/09/2017</td>
<td>Positive</td>
</tr>
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<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>31/08/2017</td>
<td>Positive</td>
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</table>

### Future Reporting

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