## Immediate notification report

**Report reference:** REF OIE 16759, **Report Date:** 16/12/2014, **Country:** United States of America

### Report Summary

<table>
<thead>
<tr>
<th>Name of sender of the report</th>
<th>Telephone</th>
<th>Position</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr John Clifford</td>
<td>(1-202) 799-7146</td>
<td>Deputy Administrator</td>
<td>(1-202) 799-7146</td>
<td><a href="mailto:John.Clifford@aphis.usda.gov">John.Clifford@aphis.usda.gov</a></td>
</tr>
</tbody>
</table>

**Address**

Room # 317-E
Jamie L. Whitten Federal Building
1400 Independence Ave, SW
Washington, DC 20250 Washington 20250

**Date submitted to OIE:** 16/12/2014

### Animal type

**Terrestrial**

**Date of report:** 16/12/2014

### Disease

**Highly pathogenic avian influenza**

**Date of start of the event:** 10/12/2014

### Causal Agent

**Highly pathogenic avian influenza virus**

**Date of pre-confirmation of the event:** 14/12/2014

### Serotype(s)

**H5N8**

**Date of last occurrence:** 2004

### Reason

**Reoccurrence of a listed disease**

**Diagnosis:** Laboratory (advanced)

### Country or zone

**A zone or compartment**

**Clinical signs:** Yes

### Number of reported outbreaks

submitted= 1, Draft= 0

### State

**WASHINGTON- (this report - submitted)**

**County:** Whatcom

**Location:** Whatcom County

**Latitude:** 48.98

**Longitude:** -122.47

**Start Date:** 10/12/2014

### Species

**Gyrfalcon:**

- Measuring units: Animals
- Susceptible: Yes
- Cases:...
- Deaths:...
- Destroyed:...
- Slaughtered:...

**Epidemiology**

**Epidemiological comments**

As a precaution and in response to the recent HPAI outbreak in Canada, surveillance of poultry premises and of wild bird mortality events was enhanced by the USDA, and State personnel along the United States - Canadian Border. Through this surveillance, highly pathogenic avian influenza (HPAI) H5 was identified in wild birds. Two serotypes were identified on enhanced surveillance, both with amino acid sequence at the HA cleavage site consistent with HPAI, H5N8 and H5N2. H5N8 was identified in a captive wild gyrfalcon that was fed hunter killed wild birds from Whatcom County, Washington and H5N2 was identified in a wild pintail duck also from Whatcom County, Washington. Based upon direct sequencing from gyrfalcon specimens, an avian influenza subtype H5N8 of Eurasian lineage (partial H5 99% similarity to A/coot/Korea/H81/2014 and partial H8 99% similarity to A/Baikal teal/Korea/H41/2014). The amino acid sequence at the hemagglutinin cleavage site is consistent with highly pathogenic avian influenza (HPAI).

Preliminary data suggests that these virus strains (H5N2 and H5N8) may be related with the H5N8 strain potentially representing the progenitor; however further analysis is needed. Neither of these viruses has been found in any poultry in the United States. These H5N8 and H5N2 detections involve only wild birds. Further investigation and characterization of the HPAI viruses is ongoing.

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

- Contact with wild species

### Measures applied

**No Control Measures**

**Animals treated**

- No

**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 Veterinary Services Laboratories (NVSL)</td>
<td>Gyrfalcon</td>
<td>gene sequencing</td>
<td></td>
<td>Pending</td>
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<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratories (NVSL)</td>
<td>Gyrfalcon</td>
<td>virus isolation</td>
<td>15/12/2014</td>
<td>Positive</td>
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<tr>
<td>Laboratory Type</td>
<td>Name of Laboratory</td>
<td>Species</td>
<td>Test Type</td>
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<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratories (NVSL)</td>
<td>Gyrfalcon</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>14/12/2014</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratories (NVSL)</td>
<td>Gyrfalcon</td>
<td>haemagglutination (HA) test</td>
<td>14/12/2014</td>
<td>Positive</td>
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</table>

**Future Reporting**

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