## Report Summary

**Name of sender of the report**
Dr John Clifford  
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(1-202) 799-7146  
**Email**
John.Clifford@aphis.usda.gov  
**Date submitted to OIE**
22/01/2015

**Country**
United States of America

### Animal type
Terrestrial

### Disease
Highly pathogenic avian influenza

### Causal Agent
Highly pathogenic avian influenza virus

### Serotype(s)
H5N2

### Reason
Reoccurrence of a listed disease

### Diagnosis
Laboratory (advanced)

### State or zone
a zone or compartment

### Clinical signs
Yes

### Number of reported outbreaks
submitted= 5, Draft= 0

## Outbreak details

### State
WASHINGTON-other report - submitted

### County
Whatcom

### Unit Type
Backyard

### Location
Whatcom County

### Start Date
10/12/2014

### End Date
15/12/2014

### Species
Northern Pintail Anas acuta

### Measuring units
Animals

### Number of outbreaks
253

### Susceptible
Birds

### Cases
253

### Deaths
37

### Destroyed
37

### Slaughtered
216

### Affected Population
Wild pintail ducks

### State
WASHINGTON-other report - submitted

### County
Benton

### Unit Type
Backyard

### Location
Benton County

### Start Date
24/12/2014

### End Date

### Species
Birds

### Measuring units
Animals

### Number of outbreaks
26

### Susceptible
Birds

### Cases
26

### Deaths
4

### Destroyed
4

### Slaughtered
0

### Affected Population
The affected premises is a small backyard mixed free-range flock of geese, turkeys, chickens, ducks, and pigeons that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl. The affected premises also includes a related epidemiology linked backyard flock that received birds (ducks) from the index flock.

### State
IDAHO- (this report - submitted)

### County
Canyon

### Unit Type
Backyard

### Location
Canyon County

### Start Date
07/01/2015

### End Date

### Species
Birds

### Measuring units
Animals

### Number of outbreaks
26

### Susceptible
Birds

### Cases
26

### Deaths
0

### Slaughtered
0

### Affected Population
The affected premises are a small backyard poultry flock of chickens and two ducks which are periodically allowed to range freely.

### State
WASHINGTON- (this report - submitted)

### County
Challam

### Unit Type
Backyard

### Location
Challam County

### Start Date
08/01/2015

### End Date

### Species
Birds

### Measuring units
Animals

### Number of outbreaks
100

### Susceptible
Birds

### Cases
100

### Deaths
3

### Destroyed
1

### Slaughtered
97

### Affected Population
The affected premises are a small mixed free-range backyard flock of geese, ducks, and chickens that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl.
<table>
<thead>
<tr>
<th>State</th>
<th>Number of outbreaks</th>
<th>County</th>
<th>Unit Type</th>
<th>Location</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>OREGON- (this report - submitted)</td>
<td>-</td>
<td>Lane</td>
<td>Not applicable</td>
<td>Lane County</td>
<td>44.049</td>
<td>-123.28</td>
<td>12/01/2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**
Hunter harvested wild mallard duck.

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

<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>Mallard</td>
<td>Animals</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

**Epidemiology**

**Epidemiological comments**

The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with State Departments of Agriculture and Wildlife, are continuing to conduct a comprehensive epidemiological investigation and enhanced surveillance (including wild bird surveillance of hunter harvested birds) in response to the HPAI H5N2 wild bird related event. All backyard premises have been quarantined and enhanced active surveillance is being initiated in and around the backyard flocks.

Novel avian influenza virus of Eurasian origin (EA-H5N8 clade 2.3.4.4) spread rapidly along wild bird migratory pathways during 2014. Introduction of this EA-H5N8 virus into the Pacific Flyway sometime during 2014 has allowed mixing with North American (AM) lineage viruses and generated new combinations with genes from both EA and AM origin (or “reassortant” viruses) such as this EA/AM H5N2-reassortant detected in Canada and the US. These findings are not unexpected as the EA-H5N8 virus continues to circulate. The EA-H5 clade 2.3.4.4 viruses are highly pathogenic for poultry.

The HPAI EA/AM H5N2-reassortant virus has NOT been found in commercial poultry anywhere in the United States.

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

• Contact with wild species

**Measures applied**

**Applied**

• stamping out
• quarantine
• movement control inside the country
• disinfection of infected premises/establishment(s)

**To be applied**

• no planned control measures

**Animals treated**

Vaccination Prohibited

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 Laboratory (NVSL)</td>
<td>Birds</td>
<td>virus sequencing</td>
<td>16/01/2015</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratory (NVSL)</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>16/01/2015</td>
<td>Positive</td>
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**Future Reporting**

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