

### Follow-up report No.7

Report reference: , Reference OIE : 17192, Report Date : 13/02/2015, Country : United States of America

#### Report Summary

<b>Name of sender of the report</b>	Dr John Clifford	<b>Telephone</b>	(1-202) 799-7146
<b>Position</b>	Deputy Administrator	<b>Fax</b>	(1-202) 799-7146
<b>Address</b>	Room # 317-E	<b>Email</b>	John.Clifford@aphis.usda.gov
	Jamie L. Whitten Federal Building 1400 Independence Ave, SW Washington, DC 20250 Washington 20250	<b>Date submitted to OIE</b>	13/02/2015

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	13/02/2015
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	10/12/2014
<b>Causal Agent</b>	Highly pathogenic avian influenza	<b>Date of pre-confirmation of the event</b>	14/12/2014
<b>Serotype(s)</b>	H5N8	<b>Date of last occurrence</b>	2004
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 12, Draft= 0		

#### Outbreak details

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON-other report - submitted	-	Whatcom		Not applicable	Whatcom County	48.98	-122.47	10/12/2014	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Gyr Falcon:Falconidae(Falco rusticolus)	Animals	...	...	...	...	...			
Affected Population	Captive wild gyrfalcon								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
OREGON-other report - submitted	-	Douglas		Backyard	Douglas County	43.12	-123.41	16/12/2014	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	130	28	28	102	0			
Affected Population	The affected premises was a small backyard mixed flock of guinea fowl, chickens, ducks, and geese that were allowed access to the outdoors and regularly exposed to wild migratory waterfowl.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON-other report - submitted	-	Whatcom		Not applicable	Whatcom County	48.854	-122.4966	24/12/2014	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild American wigeon duck								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Butte		Not applicable	Butte County	39.672	-121.591	02/01/2015	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Gadwall:Anatidae(Anas strepera)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild gadwall duck								

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
UTAH-other report - submitted	-	Davis		Not applicable	Davis County	40.999	-111.929	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild American wigeon duck.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Yolo		Not applicable	Yolo county	38.72	-121.933	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Green-winged Teal:Anatidae(Anas carolinensis)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild American green-winged teal duck.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
IDAHO-other report - submitted	-	Gooding		Not applicable	Gooding County	42.932	-114.807	16/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild mallard duck								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Stanislaus		Farm	Stanislaus County	37.552	-120.985	19/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	145000	...	4500	140500	0			
Affected Population	A commercial turkey operation. Only one house of 9,000 birds on the facility was affected and showed increased mortality.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Butte		Not applicable	Butte County	39.6307	-121.6376	23/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild American wigeon duck.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
IDAHO-other report - submitted	-	Kootenai		Not applicable	Kootenai County	47.717	-116.729	29/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Gyr Falcon:Falconidae(Falco rusticolus)	Animals	...	...	...	...	...			
Affected Population	Captive wild gyrfalcon								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
-------	---------------------	--------	--	-----------	----------	----------	-----------	------------	-----------

Follow-up report No.: 7, Report reference: , OIE Ref: 17192, Report Date: 13/02/2015, Country: United States of America

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
NEVADA-other report - submitted	-	Lincoln		Not applicable	Lincoln County	37.673	-114.7522	30/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	...	...	...	...	...	...	...
Affected Population	Hunter harvested wild mallard duck								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CALIFORNIA- (this report - submitted)	-	Kings		Farm	Kings County	36.048	-119.814	02/02/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	114000	...	...	...	...	...	...	...
Affected Population	A commercial chicken and duck operation.								

### Outbreak summary: Total outbreaks = 12 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Gyrfalcon					
Birds	259130	28	4528	140602	0
American wigeon					
Gadwall					
Green-winged Teal					
Mallard					

### 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 H5N8 and H5N2 wild bird related events. 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 the 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.

On 12 February 2015, the USDA APHIS National Veterinary Services Laboratories (NVSL) confirmed HPAI EA H5N8 virus in a commercial chicken and duck flock in Kings County, California. The flock was experiencing an increase in chicken mortality.

The detection of the HPAI H5N8 in the commercial chicken and duck flock is related to the recent avian influenza events in wild birds. The partial HA/NA sequence is >99% similar to A/gyrfalcon/WA/41088-6/2014 HPAI EA H5N8 based upon direct sequence attempt from chicken swab specimen. The premises has been quarantined. Comprehensive epidemiological investigation and enhanced surveillance on the affected premises and in the area is being conducted.

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

- Contact with wild species

#### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• stamping out</li> <li>• quarantine</li> <li>• movement control inside the country</li> <li>• zoning</li> <li>• disinfection of infected premises/establishment(s)</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	Yes

#### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	virus sequencing	12/02/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	12/02/2015	Positive

### Future Reporting

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

## Outbreak maps

