Follow-up report No.16

Report reference: , Reference OIE : 18199, Report Date : 22/07/2015, Country : United States of America

Report Summary

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		Date submitted to OIE	22/07/2015

Animal type	Terrestrial	**Date of report**	22/07/2015
Disease	Highly pathogenic avian influenza	**Date of start of the event**	10/12/2014
Causal Agent	Highly pathogenic avian influenza virus	**Date of 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= 22, 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	10/03/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Gyrfalcon: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	26/03/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
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	24/03/2015
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	-	Butte		Not applicable	Butte County	39.672	-121.591	02/01/2015	02/04/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Gadwall:Anatidae(Anas strepera)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild gadwall duck								

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

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
UTAH-other report - submitted	-	Davis		Not applicable	Davis County	40.999	-111.929	09/01/2015	09/04/2015
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	09/04/2015
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:
CALIFORNIA-other report - submitted	-	Siskiyou		Not applicable	Siskiyou County	41.6272	-122.532	10/01/2015	10/04/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance.								

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	16/04/2015
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	03/03/2015
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	22/04/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Hunter harvested wild American wigeon duck.								

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
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	12/03/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Gyrfalcon:Falconidae(Falco rusticolus)	Animals	...	...	...	...	...			
Affected Population	Captive wild gyrfalcon								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
NEVADA-other report - submitted	-	Lincoln		Not applicable	Lincoln County	37.673	-114.7522	30/01/2015	30/04/2015
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:
WASHINGTON-other report - submitted	-	Grays Harbor		Not applicable	Grays Harbor County	46.9632	-123.607	02/02/2015	02/05/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Peregrin falcon:Falconidae(Falco peregrinus)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON-other report - submitted	-	Clark		Not applicable	Clark County	45.8472	-122.5021	02/02/2015	02/05/2015
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	-	Kings		Farm	Kings County	36.048	-119.814	02/02/2015	20/03/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Birds	Animals	114000	...	...	114000	...			
Affected Population	A commercial chicken and duck operation.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
IDAHO-other report - submitted	-	Canyon		Not applicable	Canyon County	43.7038	-116.8604	12/02/2015	12/05/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Bald Eagle:Accipitridae(Haliaeetus leucocephalus)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance.								

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

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
OREGON-other report - submitted	-	Columbia		Not applicable	Columbia County	46.0136	-122.7496	23/02/2015	23/05/2015
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:
OREGON-other report - submitted	-	Klamath		Not applicable	Klamath County	42.3233	-121.6871	09/03/2015	09/06/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Canada Goose:Anatidae(Branta canadensis)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
OREGON-other report - submitted	-	Klamath		Not applicable	Klamath County	42.8641	-121.9148	09/03/2015	09/06/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Solano		Not applicable	Solano County	38.3101	-121.9048	24/03/2015	16/06/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CALIFORNIA-other report - submitted	-	Colusa		Not applicable	Colusa County	39.1568	-122.1705	24/03/2015	16/06/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
American wigeon:Anatidae(Anas americana)	Animals	...	...	...	...	...			
Affected Population	Wild bird surveillance								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA-other report - submitted	-	Whitley		Backyard	Whitley County	41.1267	-85.5064	08/05/2015	22/07/2015
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**			
Birds	Animals	77	10	10	67	0			
Affected Population	The affected premises was a small mixed backyard poultry flock of chickens, turkeys, ducks, and geese.								

Outbreak summary: Total outbreaks = 22 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Gyrfalcon					
Birds	259207	38	4538	254669	0
American wigeon					
Gadwall					
Green-winged Teal					
Mallard					
Peregrin falcon					
Bald Eagle					
Canada Goose					

Epidemiology

Epidemiological comments

The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with State Departments of Agriculture and Wildlife, maintain 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 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 United States. The EA H5 clade 2.3.4.4 viruses are highly pathogenic for poultry.

No new premises have been found positive for HPAI H5N8 since May 10, 2015. All control areas have been released and outbreaks closed in the HPAI H5N8 event and:

- The required surveillance in the state and control areas has been completed with negative results for HPAI. As a precaution, additional enhanced surveillance may continue in targeted areas of the state.
- The depopulation of infected premises has been completed and appropriate disposal was implemented or completed.
- Cleaning and disinfection of the infected premises has been completed (including, but not limited to, outside areas of premises, equipment, trucks, and other fomites).
- No recent HPAI detections through wild bird surveillance have been made.

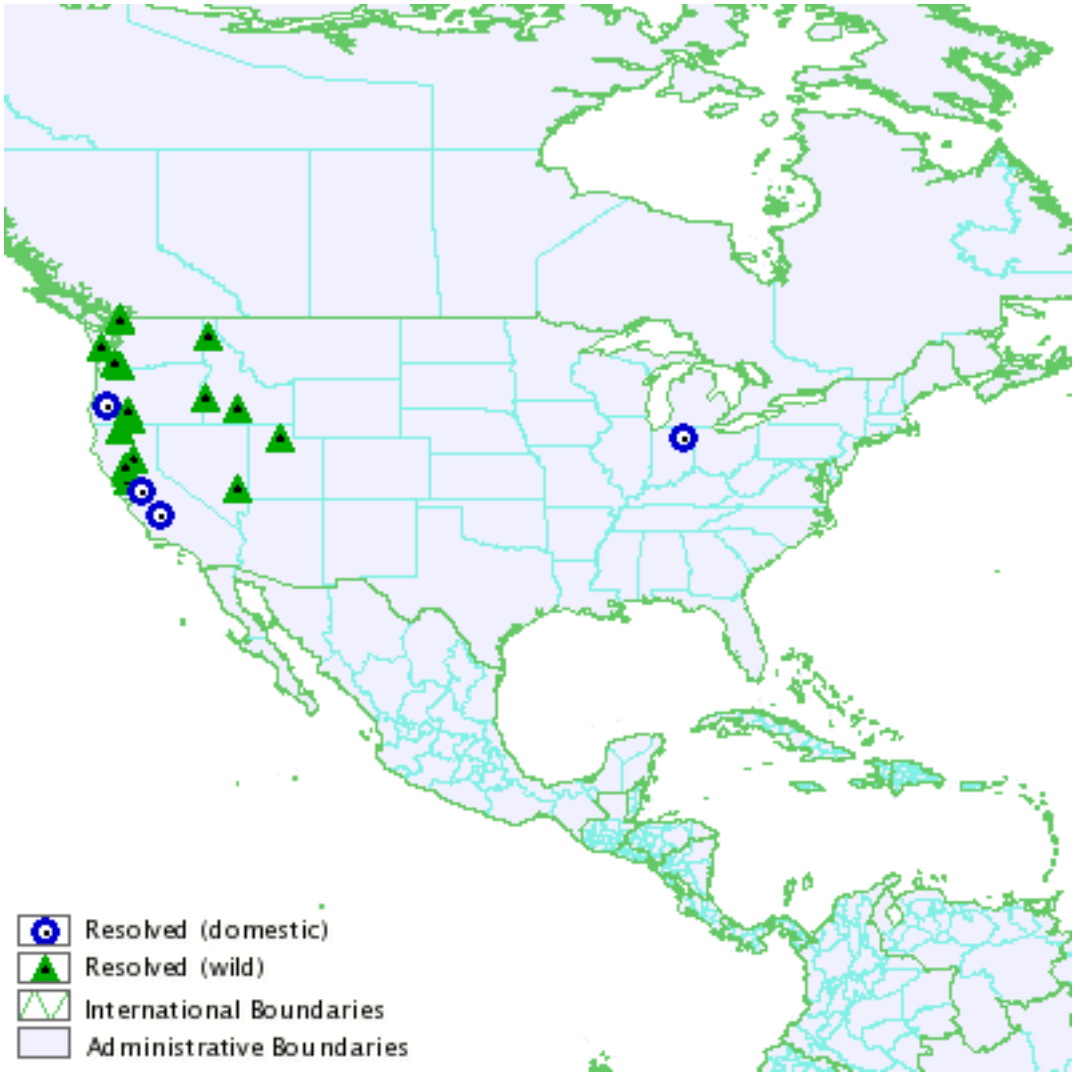
Source of the outbreak(s) or origin of infection

- Contact with wild species

Measures applied

Applied	To be applied
• quarantine • movement control inside the country • zoning • disinfection / disinfestation • modified stamping out	• no planned control measures
Animals treated	**Vaccination Prohibited**
No	Yes

Future Reporting

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

Outbreak maps