

Follow-up report No.5

Report reference: , Reference OIE : 17060, Report Date : 25/01/2015, Country : United States of America

Report Summary

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Animal type	Terrestrial	Date of report	25/01/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	10/12/2014
Causal Agent	Highly pathogenic avian influenza	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= 7, 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	
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:
OREGON-other report - submitted	-	Douglas		Backyard	Douglas County	43.12	-123.41	16/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	130	28	28	102	0			
Affected Population	The affected premises is a small backyard mixed flock of guinea fowl, chickens, ducks, and geese that are 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:
CALIFORNIA-other report - submitted	-	Butte		Not applicable	Butte County	39.672	-121.591	02/01/2015	
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:
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.								

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
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- (this 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	1200	...			
Affected Population	A commercial turkey operation. Only one house of 9000 birds on the facility has been affected and showing increased mortality.								

Outbreak summary: Total outbreaks = 7 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Gyr Falcon					
Birds	145130	28	4528	1302	0
Gadwall					
American wigeon					
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.

The detection of the HPAI H5N8 in the commercial turkey flock is considered to be related to the recent avian influenza events in wild birds. The partial HA/NA sequences are >99% similar to A/gyrfalcon/WA/41088-6/2014 based upon direct sequencing from swabs of 2 different turkeys. The commercial turkey premises is in a remote location and has been quarantined. Comprehensive epidemiological investigation and enhanced surveillance is being conducted. Additional recent testing of other turkey houses on the premises has been negative for avian influenza.

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

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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	23/01/2015	Positive
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	23/01/2015	Positive

Future Reporting

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

Outbreak maps

