

Immediate notification report

Report reference: CAN-2015-NAI-003 REF OIE 17577, Report Date: 01/05/2015, Country : Canada

Report Summary

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		Date submitted to OIE	01/05/2015

Animal type	Terrestrial	Date of report	01/05/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	06/02/2015
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	13/04/2015
Serotype(s)	H5N8	Diagnosis	Laboratory (advanced)
Reason	New strain of a listed disease	Clinical signs	No
Country or zone	a zone or compartment		
Number of reported outbreaks	submitted= 1, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA- (this report - submitted)	-			Not applicable	Abbotsford	49.03601	-122.2455	06/02/2015	06/02/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
American wigeon:Anatidae(Anas americana)	Animals	...	1			
Affected Population	BC-2015-NAI-WB1 Juvenile American wigeon								

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
American wigeon		1			

Epidemiology

Epidemiological comments

Canada conducts surveillance for avian influenza in wild birds. In addition, enhanced surveillance was undertaken in wild birds in response to the event in poultry (H5N2) in the province of British Columbia (BC) in December 2014. This sample was collected in February 2015 as part of the enhanced surveillance undertaken by BC. The sample was received from the BC provincial laboratory by the Canadian Food inspection Agency (CFIA) National Centre for Foreign Animal Disease (NCFAD) on 25 March 2015 for further testing. The results confirmed HPAI H5N8 virus with an IVPI of 2.73.

Sequencing of the H5N8 virus isolated indicates it is a wholly Eurasian H5N8 and very similar to the H5N8 virus that was isolated from the gyrfalcon in Washington State in December 2014. This is the first report of a H5N8 HPAI virus detection in Canada. This virus has NOT been found in commercial poultry anywhere in Canada. In accordance with the Terrestrial Animal Health Code Article 10.4.1, Member Countries should not impose bans on the trade of poultry commodities in response to notification of influenza A virus in wild birds.

Source of the outbreak(s) or origin of infection

- Contact with wild species

Measures applied

Applied	To be applied
• screening	• no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
Local laboratory	Animal Health Centre, British Columbia Ministry of Agriculture	American wigeon	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	09/02/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Centre for Foreign Animal Disease, Canadian Food Inspection Agency	American wigeon	virus sequencing	08/04/2015	Positive
National laboratory	National Centre for Foreign Animal Disease, Canadian Food Inspection Agency	American wigeon	haemagglutination inhibition test (HIT)	02/04/2015	Positive
National laboratory	National Centre for Foreign Animal Disease, Canadian Food Inspection Agency	American wigeon	virus isolation	27/03/2015	Positive
National laboratory	National Centre for Foreign Animal Disease, Canadian Food Inspection Agency	American wigeon	intravenous pathogenicity index (IVPI) test	13/04/2015	Positive
National laboratory	National Centre for Foreign Animal Disease, Canadian Food Inspection Agency	American wigeon	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	01/04/2015	Positive

Future Reporting

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

Outbreak maps

