

Follow-up report 1

20/01/2022

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

Sender	Country/territory	Report ID
Delegate of Canada	Canada	FUR_153519
Report reference	Event status	Self-declaration
CAN-2021-CoV-001 FUR1	On-going	No

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 06/11/2021
Animal type - Terrestrial	Confirmed on - 29/11/2021	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 20/01/2022	Reason - Emerging disease

Disease impact

Outbreak morbidity - 1.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	

Epidemiology

Source of the event or origin of the infection - Unknown or inconclusive

Epidemiological comments The SARS-CoV-2 positive white-tailed deer from Saskatchewan and Ontario are additional results of an ongoing cross-jurisdictional study undertaken by several federal, provincial, territorial and academic partners to monitor wild cervids across Canada for the presence of SARS-CoV-2.

Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Sunnybrook Research Institute Local Laboratory	White-Tailed deer	2	22/11/2021	22/12/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Centre for Foreign Animal Disease (NCFAD), Winnipeg, Manitoba National Laboratory	White-Tailed deer	3	29/11/2021	05/01/2022	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Wildlife Health Laboratory (Ecotoxicology & Wildlife Health Division, Environment	White-Tailed deer	1	08/12/2021		Positive

			and Climate Change Canada) National Laboratory					
Gene sequencing	Genotyping	Laboratory Test	Sunnybrook Research Institute Local Laboratory	White-Tailed deer	1	30/11/2021		Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
White-Tailed deer (Odocoileus virginianus):Cervidae- Artiodactyla	New	-	6	-	-	6	0	-	-
White-Tailed deer (Odocoileus virginianus):Cervidae- Artiodactyla	Total	-	9	-	-	9	0	-	-
All species	New	-	6	-	-	6	0	-	-
All species	Total	-	9	-	-	9	0	-	-

Event morbidity - 1.0

Event mortality - 0.0

Outbreaks

ob_93031-Estrie

Outbreak reference - QC-2021-001

Started on - 06/11/2021

First administrative division - Québec

Ended on - 08/11/2021

Second administrative division - Brome-
Missisquoi

Epidemiological unit - Not applicable

Geographic coordinates -
45.155,-72.754

Third administrative division - Dunham

Approximate location - Yes

Location - Estrie

Description of the affected populationA total of 258 hunter-harvested white-tailed deer were sampled at registration stations in Estrie and Laurentides regions during the regular hunting season. Three have been confirmed to be positive for SARS-CoV-2.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
White-Tailed deer (Odocoileus virginianus):Cervidae- Artiodactyla	New	Animal	-	-	-	-	-	-
White-Tailed deer (Odocoileus virginianus):Cervidae- Artiodactyla	Total	Animal	-	3	-	-	3	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	-	3	-	-	3	0

ob_95550-Southwestern Ontario

Outbreak reference - ON-2021-001

Started on - 03/11/2021

First administrative division - Ontario

Second administrative division - Middlesex Epidemiological unit - Not applicable

Geographic coordinates -
43.06,-81.48

Third administrative division - Middlesex Approximate location - Yes
Centre

Location - Southwestern Ontario

Description of the affected populationA total of 213 hunter-harvested white-tailed deer were sampled and tested as part of the Ontario Ministry of Northern Development, Mines, Natural Resources Chronic Wasting Disease surveillance program.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
White-Tailed deer (Odocoileus virginianus):Cervidae-Artiodactyla	New	Animal	-	5	-	-	5	0
White-Tailed deer (Odocoileus virginianus):Cervidae-Artiodactyla	Total	Animal	-	5	-	-	5	0
All species	New	Animal	-	5	-	-	5	0
All species	Total	Animal	-	5	-	-	5	0

ob_95549-Saskatoon Wildlife Management Zone

Outbreak reference - SK-2021-001 Started on - 09/11/2021

First administrative division -
Saskatchewan

Second administrative division - Division Epidemiological unit - Not applicable
No. 12

Geographic coordinates -
52.0,-106.97

Third administrative division - Vanscoy Approximate location - Yes

Location - Saskatoon Wildlife
Management Zone

Description of the affected populationA total of 59 hunter-harvested cervids (white-tailed deer and mule deer) from the Saskatoon Wildlife Management Zone, the Regina Wildlife Management Zone and near Hudson's Bay were sampled opportunistically and tested from heads that had been submitted for processing as part of the provincial chronic wasting disease surveillance program.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
White-Tailed deer (Odocoileus virginianus):Cervidae-Artiodactyla	New	Animal	-	1	-	-	1	0
White-Tailed deer (Odocoileus virginianus):Cervidae-Artiodactyla	Total	Animal	-	1	-	-	1	0
All species	New	Animal	-	1	-	-	1	0
All species	Total	Animal	-	1	-	-	1	0



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