

Follow-up report 2

30/12/2020

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

Sender	Country/territory	Report ID
Delegate of Canada	Canada	FUR_37348
Report reference	Event status	Self-declaration
CAN-2020-CoV-001	On-going	No

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 26/11/2020
Animal type - Terrestrial	Confirmed on - 08/12/2020	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 30/12/2020	Reason - Emerging disease

Disease impact

Outbreak morbidity - 2.0	Outbreak mortality - 2.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic disease

Epidemiology

Source of the event or origin of the infection - Suspected human transmission

Epidemiological comments Samples taken on December 21st 2020 from a second mink farm in British Columbia tested positive for SARS-CoV-2 at the provincial laboratory (E_Sarbeco PCR) and were confirmed to be positive at the National Centre for Foreign Animal Disease by PCR (SARS-CoV-2 Real Time RT-PCR for E and RdRp) on December 23. The mink on the second farm had shown clinical signs of diarrhea and increased mortality (3%). Initial testing has revealed no evidence of human SARS-CoV-2 infection in farm workers. Source of the outbreak is still under investigation. On both farms, slaughtered animals were voluntarily euthanized and frozen for pelting.

Control measures at event level

Domestic control measures

Applied	To be applied - Screening
- Movement control inside the country	
- Quarantine	

Wild control measures

Applied	To be applied - Screening
- Movement control inside the country	
- Quarantine	

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	National Centre for Foreign Animal Disease	Mustelidae		08/12/2020		Positive
Real-time	Nucleic acid	Laboratory	Animal	Mustelidae		05/12/2020		Positive

reverse transcription polymerase chain reaction (rRT-PCR)	detection	Test	Health Center Local Laboratory					
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Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Mustelidae	New	-	-	-	-	-	-	-	-
Mustelidae	Total	15950	233	233	0	10917	-	1.46	1.46
All species	New	-	-	-	-	-	-	-	-
All species	Total	15950	233	233	0	10917	-	1.46	1.46

Event morbidity - 2.0

Event mortality - 2.0

Outbreaks

1000142208-Fraser Valley

Outbreak reference - BC-2020-002 Started on - 16/12/2020 First administrative division - British Columbia

Second administrative division - Fraser Valley Epidemiological unit - Farm Geographic coordinates - 49.1,-122.0

Third administrative division - Chilliwack Location - Fraser Valley

Description of the affected populationBC-2020-002 Domestic American Mink (Neovison vison) commercial farm.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Mustelidae	New	Animal	950	33	33	0	917	-
Mustelidae	Total	Animal	950	33	33	0	917	-
All species	New	Animal	950	33	33	0	917	-
All species	Total	Animal	950	33	33	0	917	-

1000140723-Fraser Valley

Outbreak reference - BC-2020-001 Started on - 26/11/2020 First administrative division - British Columbia

Second administrative division - Fraser Valley Epidemiological unit - Farm Geographic coordinates - 49.1,-122.1

Third administrative division - Abbotsford Location - Fraser Valley

Description of the affected populationBC-2020-001Domestic American Mink (Neovison vison) commercial farm.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Mustelidae	New	Animal	-	-	-	-	-	-
Mustelidae	Total	Animal	15000	200	200	0	10000	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	15000	200	200	0	10000	-

Map legend

OUTBREAKS REPRESENTATION ON MAP

OUTBREAKS NATURE

Single / Cluster

Domestic species



Wild species



Domestic & Wild



OUTBREAKS STATUS

Outbreak currently reported



Ongoing outbreak



Resolved outbreak



AGGREGATION REPRESENTATION

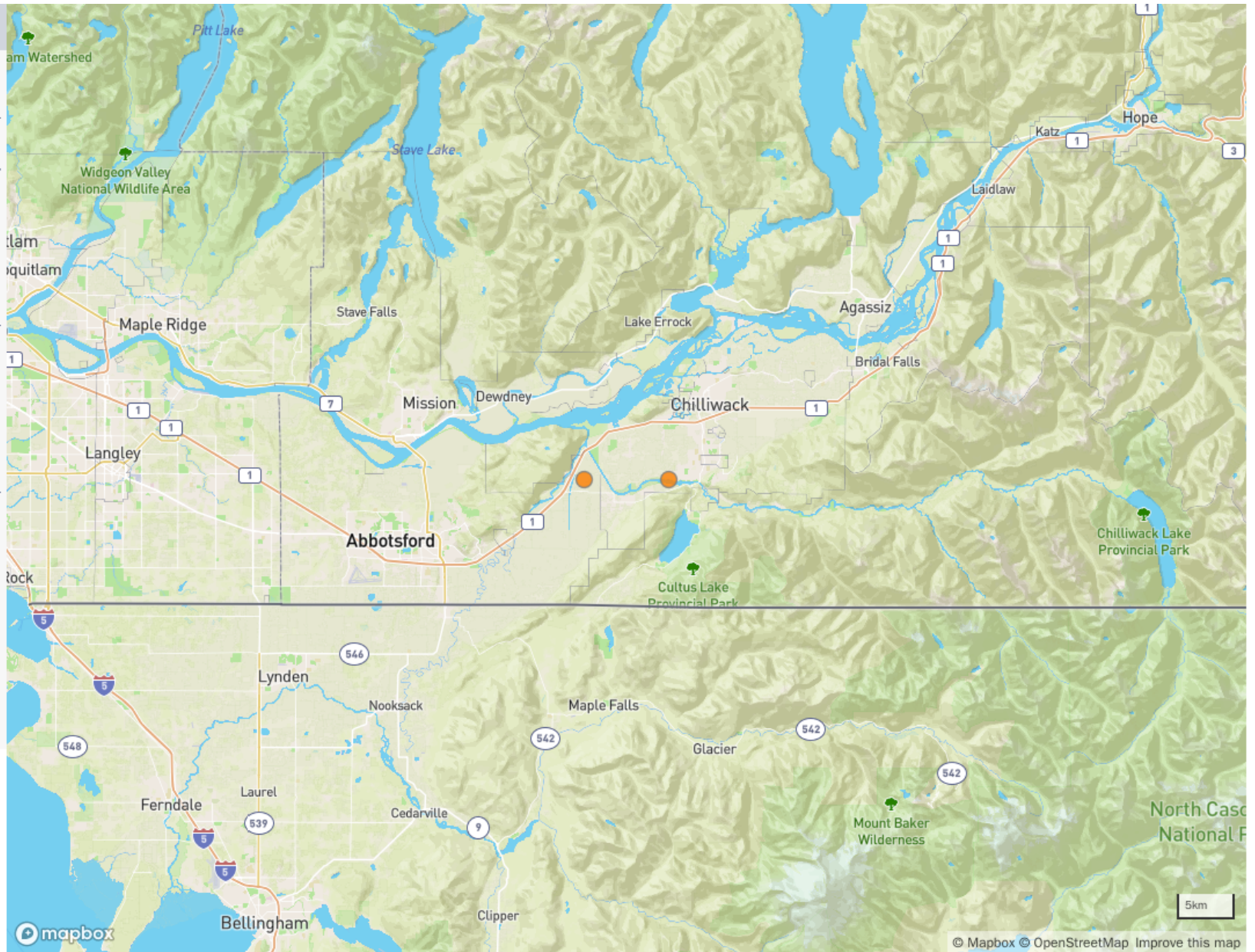
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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