

Follow-up report 6

10/06/2021

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

Sender	Country/territory	Report ID
Delegate of Canada	Canada	FUR_150231
Event status	Self-declaration	
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 - 05/12/2020	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 09/06/2021	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 Whole genome sequencing was complete on the index case of the third affected farm (BC-2020-003) and the sample was assigned to global SARS-CoV-2 lineage B.1.618 using Pangolin (v2.4.2; PangoLEARN lineages version 2021-04-28). Although B.1.618 lineage is from India, it is not the current variant of concern from India (B.1.617).

Control measures at event level

Domestic control measures

- Applied
- Quarantine
 - Screening
 - Slaughter
 - Movement control inside the country

Wild control measures

- Applied - Screening

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	Animal Health Centre - Ministry of Agriculture of British-Columbia Local Laboratory	Mustelidae	3	05/12/2020	11/05/2021	Positive
Real-time reverse transcription	Nucleic acid detection	Laboratory Test	National Centre for Foreign	Mustelidae	3	08/12/2020	14/05/2021	Positive

polymerase chain reaction (rRT-PCR)			Animal Disease					
Virus sequencing	Genotyping	Laboratory Test	National Centre for Foreign Animal Disease	Mustelidae	3	11/12/2020	28/05/2021	Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Mustelidae	New	-	4	-	-	-	0	-	-
Mustelidae	Total	40950	238	233	0	10917	0	0.58	1.46
All species	New	-	4	-	-	-	0	-	-
All species	Total	40950	238	233	0	10917	0	0.58	1.46

Event morbidity - 2.0

Event mortality - 2.0

Morbidity range - 0.02-3

Mortality range - 1-3

Outbreaks

1000142208-Fraser Valley

Outbreak reference - BC-2020-002

Started on - 16/12/2020

First administrative division - British Columbia

Ended on - 26/12/2020

Second administrative division - Fraser Valley

Epidemiological unit - Farm

Geographic coordinates - 49.1,-122.0

Third administrative division - Chilliwack

Approximate location - Yes

Location - Fraser Valley

Description of the affected population BC-2020-002 Domestic American Mink (*Neovison vison*) commercial farm. The geographic coordinates do not represent the actual location of the premises.

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

ob_85698-Fraser Valley

Outbreak reference - BC-2020-003

Started on - 06/05/2021

First administrative division - British Columbia

Second administrative division - Fraser Valley

Epidemiological unit - Farm

Geographic coordinates - 49.1,-122.2

Third administrative division - Fraser Valley H

Approximate location - Yes

Location - Fraser Valley

Description of the affected population BC-2020-003 Domestic American Mink (*Neovison vison*) commercial farm. The geographic coordinates do not represent the actual location of the premises.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Mustelidae	New	Animal	-	4	-	-	-	0
Mustelidae	Total	Animal	25000	5	-	-	-	0
All species	New	Animal	-	4	-	-	-	0
All species	Total	Animal	25000	5	-	-	-	0

Control measures different from event level

Measures not implemented - Slaughter

1000140723-Fraser Valley

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

Ended on - 24/02/2021 Second administrative division - Fraser Valley Epidemiological unit - Farm

Geographic coordinates - 49.1,-122.1 Third administrative division - Abbotsford Approximate location - Yes

Location - Fraser Valley

Description of the affected population BC-2020-001 Domestic American Mink (*Neovison vison*) commercial farm. The geographic coordinates do not represent the actual location of the premises.

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

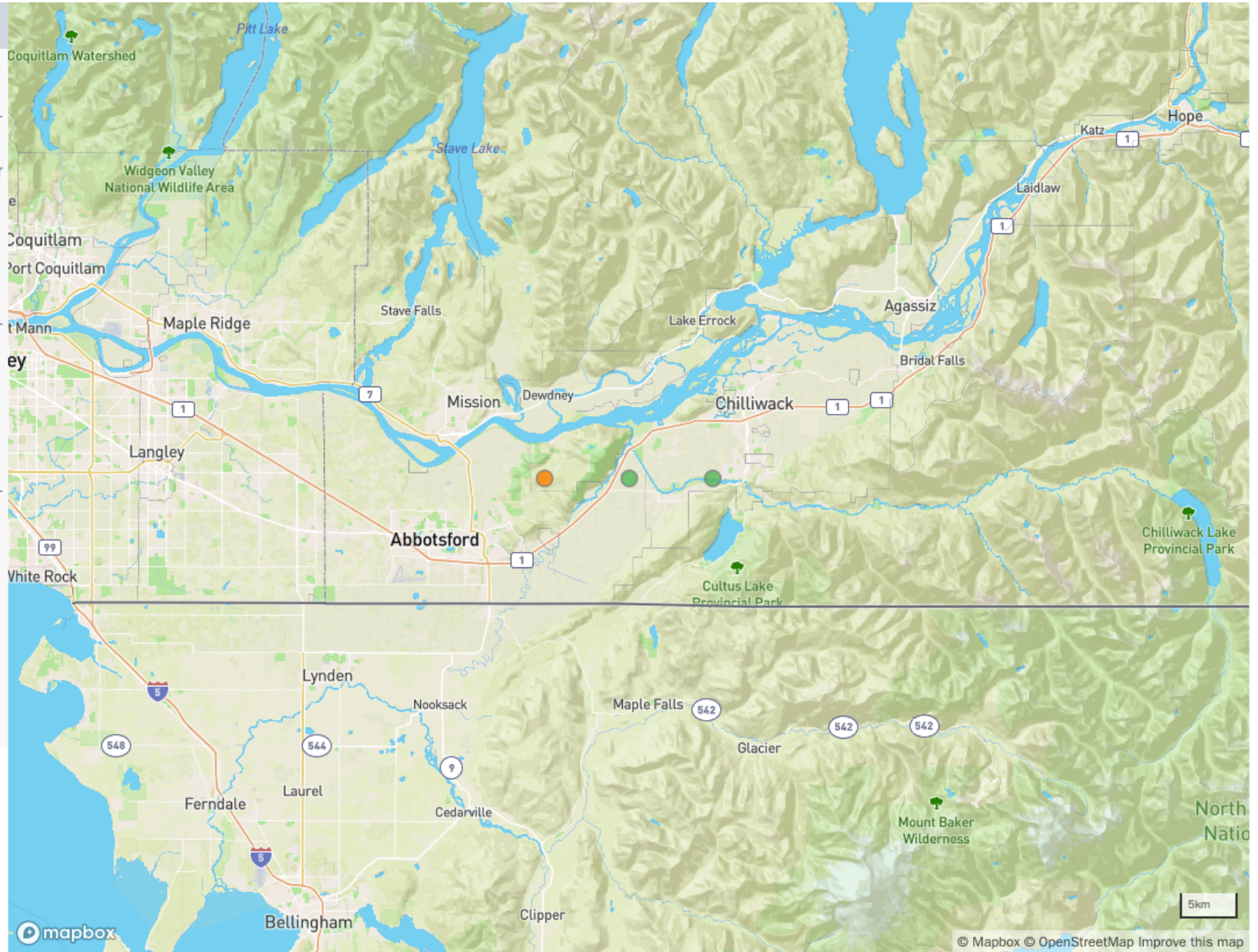
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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