

Follow-up report 7

30/06/2021

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

Sender	Country/territory	Report ID
Delegate of Canada	Canada	FUR_150509
Event status	No evolution reason	Self-declaration
On-going	The epidemiological situation remains unchanged since the last report	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 - 30/06/2021	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	To be applied - Screening
- Slaughter	
- Quarantine	
- Movement control inside the country	

Wild control measures

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

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 Center Local Laboratory	Mustelidae	3	05/12/2020	11/05/2021	Positive
Real-time	Nucleic acid	Laboratory	National	Mustelidae	3	08/12/2020	14/05/2021	Positive

reverse transcription polymerase chain reaction (rRT-PCR)	detection	Test	Centre for Foreign 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	-	-	-	-	-	-	-	-
Mustelidae	Total	40950	253	248	5	10917	0	0.62	0.61
All species	New	-	-	-	-	-	-	-	-
All species	Total	40950	253	248	5	10917	0	0.62	0.61

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 populationBC-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 populationBC-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	-	-	-	-	-	-
Mustelidae	Total	Animal	25000	20	15	5	-	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	25000	20	15	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

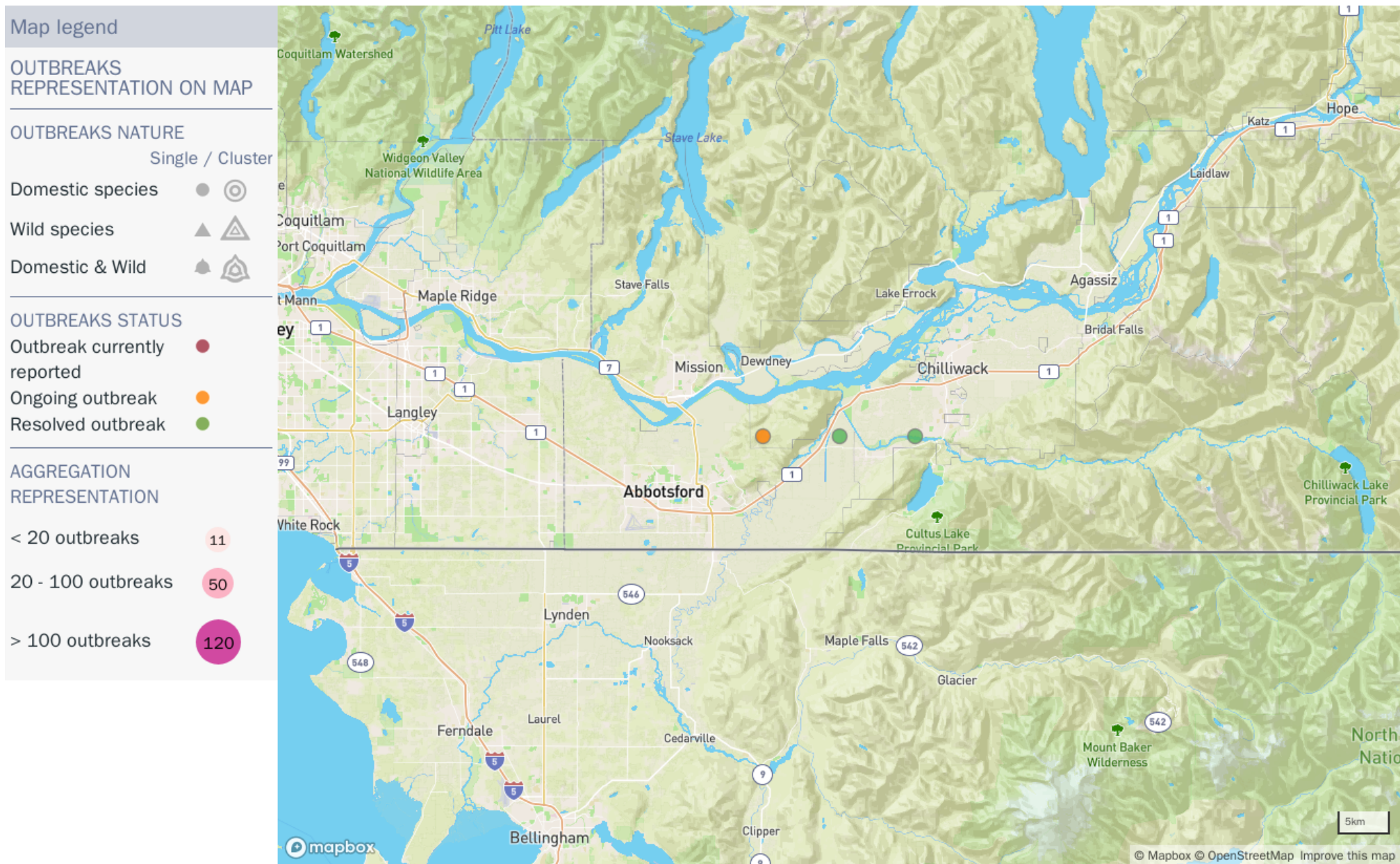
Ended on - 24/02/2021 Second administrative division - Fraser Valley Epidemiological unit - Farm

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

Location - Fraser Valley

Description of the affected populationBC-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	-



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