

Follow-up report 1

21/12/2020

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

| | | |
|--------------------|-------------------|------------------|
| Sender | Country/territory | Report ID |
| Delegate of Canada | Canada | FUR_37158 |
| 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 - 21/12/2020 | Reason - Emerging disease |

Disease impact

| | |
|--------------------------|---|
| Outbreak morbidity - 1.0 | Outbreak mortality - 1.0 |
| Zoonotic potential - Yes | Zoonotic potential description - Zoonotic disease |

Epidemiology

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

Epidemiological comments Near full genome of SARS-CoV-2 obtained for all 5 mink samples (98.75-99.87% genome coverage) by the National Centre for Foreign Animal Disease shows at least 4 unique single nucleotide polymorphisms (SNP) differences compared to other reported SARS-CoV-2 sequences in GISAID. The 5 mink sequences are most similar and share a set of common SNPs to lineage B.1.1.73 North American sequences.

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 reverse transcription | Nucleic acid detection | Laboratory Test | Animal Health Center Local | Mustelidae | | 05/12/2020 | | Positive |

| | | | | | | | | |
|-------------------------------------|--|--|------------|--|--|--|--|--|
| polymerase chain reaction (rRT-PCR) | | | Laboratory | | | | | |
|-------------------------------------|--|--|------------|--|--|--|--|--|

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 | 15000 | 200 | 200 | 0 | 10000 | - | 1.33 | 1.33 |
| All species | New | - | - | - | - | - | - | - | - |
| All species | Total | 15000 | 200 | 200 | 0 | 10000 | - | 1.33 | 1.33 |

Event morbidity - 1.0

Event mortality - 1.0

Outbreaks

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 | - |

Control measures different from event level

Additional measures - Slaughter

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

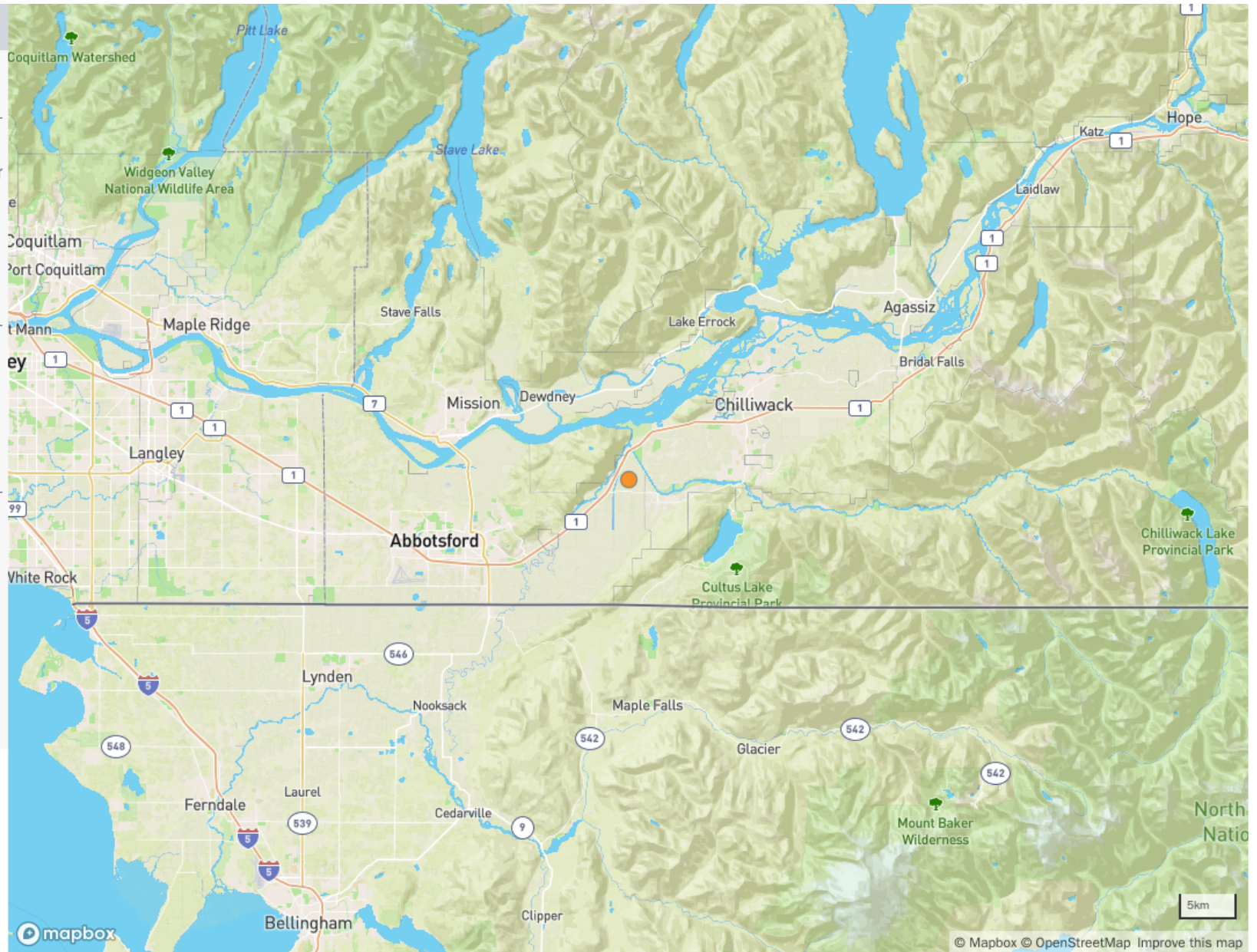
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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