

## Canada - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 3

### GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
COUNTRY/TERRITORY	TERRESTRIAL	Listed disease	4438
DISEASE	CAUSAL AGENT	GENOTYPE / SEROTYPE / SUBTYPE	START DATE
Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-)	Highly pathogenic avian influenza virus	H5N1	2022/04/12
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Unusual host species	-	-	On-going
END DATE	SELF-DECLARATION		
-	NO		

### REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 3	FUR_156122	CAN-2022-HPAIM-001 FUR3	2022/07/29
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive
- Contact with wild species

#### EPIDEMIOLOGICAL COMMENTS

We report cases of H5N1 highly pathogenic avian influenza (HPAI) viruses in 3 additional foxes from Ontario, Quebec and British Columbia, as well as 11 harbor seals from Quebec.

### QUANTITATIVE DATA SUMMARY

#### MEASURING UNIT

Animal

Species	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk (wild)	NEW	-	-	-	-	-
	TOTAL	-	5	5	-	-
american mink	NEW	-	-	-	-	-

(wild)	TOTAL	-	1	-	1	-	-
harbor seal (wild)	NEW	-	11	11	-	-	-
	TOTAL	-	11	11	-	-	-
red fox (wild)	NEW	-	3	3	-	-	-
	TOTAL	-	23	16	7	-	-
all species	NEW	-	14	14	-	-	-
	TOTAL	-	40	27	13	-	-

## DIAGNOSTIC DETAILS

### CLINICAL SIGNS

YES

### METHOD OF DIAGNOSTIC

Diagnostic test

Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	National Centre for Foreign Animal Disease (NCFAD), Winnipeg, Manitoba	American Mink, Red Fox, Harbor Seal, Striped Skunk	19	2022/05/02	2022/07/21	Positive

## CONTROL MEASURES

### CONTROL MEASURES AT EVENT LEVEL

### DOMESTIC ANIMALS

### WILD ANIMALS

## NEW OUTBREAKS

OB\_105140 - QC-2022-HPAIM-001 - BAS-ST-LAURENT

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
QC-2022-HPAIM-001	2022/06/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Québec	La Mitis	Sainte-Flavie	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Bas-St-Laurent	48.61 , -68.23 (Approximate location)	-	Animal

### AFFECTED POPULATION DESCRIPTION

- 4 seals: Fully Eurasian lineage; - 5 seals: Reassortment EU&NA; Cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
harbor seal (wild)	NEW	-	11	11	-	-	-
wild	TOTAL	-	11	11	-	-	-

### METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-
OB_105141 - QC-2022-HPAIM-002 - GASPÉSIE-ÎLES-DE-LA-MADELEINE	

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
QC-2022-HPAIM-002	2022/06/13	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Québec	Les îles-de-la-Madeleine	Havre-aux-Maisons	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Gaspésie-Îles-de-la-Madeleine	47.4 , -61.81 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-
OB_104735 - BC-2022-HPAIM-003 - CARIBOO REGIONAL DISTRICT	

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
BC-2022-HPAIM-003	2022/05/27	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
British Columbia	Cariboo	Cariboo L	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cariboo Regional District	51.45 , -121.13 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

- Cluster: Gene segments PB2, PB1, NP and NS belonging to North American lineage and gene segments PA, HA, NA and M belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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UPDATED OUTBREAKS

OB\_103543 - AB-2022-HPAIM-001 - MINBURN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
AB-2022-HPAIM-001	2022/04/22	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alberta	Division No. 10	Minburn County No. 27	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Minburn County	53.49 , -112.16 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

- Neurologic wild skunks. Cluster: Gene segments PB2 and NP belonging to North American lineage and gene segments PB1, PA, HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	-	-	-	-	-
(wild) wild	TOTAL	-	2	-	2	-	-

**METHOD OF DIAGNOSTIC**

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_103542 - MB-2022-HPAIM-003 - PRAIRIE MOUNTAIN HEALTH REGION

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MB-2022-HPAIM-003	2022/05/11	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Manitoba	Division No. 17	Dauphin	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Prairie Mountain Health Region	51.35 , -100.15 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

- Neurologic adult wild skunk. Cluster: Gene segments PB2 and NP belonging to North American lineage and gene segments PB1, PA, HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
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striped skunk	NEW	-	-	-	-	-	-
(wild) wild	TOTAL	-	1	-	1	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB_103541 - BC-2022-HPAIM-001 - FRASER-FORT GEORGE REGIONAL DISTRICT
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OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
BC-2022-HPAIM-001	2022/05/08	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
British Columbia	Fraser-Fort George	Prince George	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Fraser-Fort George Regional District	53.9 , -122.77 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

- Neurologic wild red fox kits. Both had the same cluster. Cluster: Gene segments PB2 and NP belonging to North American lineage and gene segments PB1, PA, HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	2	1	1	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB_103540 - MB-2022-HPAIM-002 - SOUTHERN HEALTH REGION
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OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MB-2022-HPAIM-002	2022/05/08	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Manitoba	Division No. 3	Morris Town	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Southern Health Region	49.36 , -97.36 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

- Neurologic wild red fox kits. Cluster: Gene segments PB2 and NP belonging to North American lineage and gene segments PB1, PA, HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	4	3	1	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_103539 - ON-2022-HPAIM-002 - SOUTHERN ONTARIO (YORK)

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-002	2022/04/15	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ontario	York	Vaughan	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Southern Ontario (York)	43.86 , -79.5 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

- Neurologic wild red fox kit. Cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	1	-	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_103112 - MB-2022-HPAIM-001 - PRAIRIE MOUNTAIN HEALTH AUTHORITY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MB-2022-HPAIM-001	2022/04/28	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Manitoba	Division No. 15	Neepawa	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Prairie Mountain Health Authority	50.24 , -99.46 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

- Neurologic wild red fox kits. Both had the same cluster. Cluster: Gene segments PB2, PB1, NP and NS belonging to North American lineage and gene segments PA, HA, NA and M belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	2	2	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104179 - ON-2022-HPAIM-006 - SOUTHERN ONTARIO (WELLINGTON)

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-006	2022/05/10	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ontario	Wellington	Guelph/Eramosa	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Southern Ontario (Wellington)	43.66 , -80.16 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

- Cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	-	1	-	-

METHOD OF DIAGNOSTIC

Clinical,  
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104164 - ON-2022-HPAIM-005 - SOUTHERN ONTARIO (WATERLOO)

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-005	2022/04/25	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ontario	Waterloo	Woolwich	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit

Southern Ontario (Waterloo)	43.5 , -80.4 (Approximate location)	-	Animal
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**AFFECTED POPULATION DESCRIPTION**

- Cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	3	3	-	-	-

**METHOD OF DIAGNOSTIC**

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104163 - ON-2022-HPAIM-004 - SOUTHERN ONTARIO (GREY)

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-004	2022/04/14	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ontario	Grey	West Grey	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Southern Ontario (Grey)	44.3 , -80.7 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

Neurologic mink. Cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
american mink (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	-	1	-	-

**METHOD OF DIAGNOSTIC**

Diagnostic test,  
Clinical

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104162 - ON-2022-HPAIM-003 - CENTRAL ONTARIO (SIMCOE)

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-003	2022/04/27	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT



Ontario	Simcoe	Ramara	Not applicable
<b>LOCATION</b>	<b>Latitude, Longitude</b>	<b>OUTBREAKS IN CLUSTER</b>	<b>Measuring unit</b>
Central Ontario (Simcoe)	44.52 , -79.25 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

Neurologic red fox kits. Both animals had the same cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	2	1	1	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104161 - BC-2022-HPAIM-002 - NORTH OKANAGAN REGIONAL DISTRICT

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
BC-2022-HPAIM-002	2022/05/18	-	Clade: 2.3.4.4b - Lineage: Reassortment Eurasian and North American
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
British Columbia	North Okanagan	North Okanagan B	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
North Okanagan Regional District	50.2 , -119.28 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

Cluster: Gene segments PB2 and NP belonging to North American lineage and gene segments PB1, PA, HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	-	1	-	-

#### METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_104110 - NS-2022-HPAIM-001 - CENTRAL NOVA SCOTIA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NS-2022-HPAIM-001	2022/05/09	-	Clade 2.3.4.4b - Lineage: Fully

						Eurasian	
FIRST ADMINISTRATIVE DIVISION		SECOND ADMINISTRATIVE DIVISION		THIRD ADMINISTRATIVE DIVISION		EPIDEMIOLOGICAL UNIT	
Nova Scotia		Halifax		Halifax		Not applicable	
LOCATION		Latitude, Longitude		OUTBREAKS IN CLUSTER		Measuring unit	
Central Nova Scotia		44.8212 , -63.1424 (Approximate location)		-		Animal	
AFFECTED POPULATION DESCRIPTION							
Found dead red fox kit							
Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	1	-	-	-
METHOD OF DIAGNOSTIC							
Diagnostic test							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED					ADDITIONAL MEASURES		
-					-		
OB_104109 - PE-2022-HPAIM-002 - EASTERN PEI							
OUTBREAK REFERENCE		START DATE		END DATE		DETAILED CHARACTERISATION	
PE-2022-HPAIM-002		2022/05/18		-		Clade 2.3.4.4b - Lineage: Fully Eurasian	
FIRST ADMINISTRATIVE DIVISION		SECOND ADMINISTRATIVE DIVISION		THIRD ADMINISTRATIVE DIVISION		EPIDEMIOLOGICAL UNIT	
Prince Edward Island		Kings		Lot 54		Not applicable	
LOCATION		Latitude, Longitude		OUTBREAKS IN CLUSTER		Measuring unit	
Eastern PEI		46.2778 , -62.5474 (Approximate location)		-		Animal	
AFFECTED POPULATION DESCRIPTION							
Neurologic wild red fox kit							
Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	-	1	-	-
METHOD OF DIAGNOSTIC							
Clinical, Diagnostic test							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED					ADDITIONAL MEASURES		
-					-		
OB_104108 - PE-2022-HPAIM-001 - CENTRAL PEI							

Eurasian

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Prince Edward Island	Queens	Miltonvale Park	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Central PEI	46.2867 , -63.212 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

Neurologic wild red fox kits

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	2	-	2	-	-

**METHOD OF DIAGNOSTIC**Diagnostic test,  
Clinical**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_102584 - ON-2022-HPAIM-001 - SOUTHERN ONTARIO

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-001	2022/04/12	-	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ontario	Perth	St. Marys	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Southern Ontario	43.27 , -81.14 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

Neurologic wild red fox kits. Both had the same cluster: Gene segments PB2, PB1, PA and NP belonging to North American lineage and gene segments HA, NA, M and NS belonging to Eurasian lineage

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	2	2	-	-	-

**METHOD OF DIAGNOSTIC**

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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