

## Canada - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 1

### 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	-	2022/05/02	On-going
END DATE	SELF-DECLARATION		
-	NO		

### REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 1	FUR_155418	CAN-2022-HPAIM-001 FR1	2022/05/31
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

We report cases of H5N1 highly pathogenic avian influenza (HPAI) viruses of clade 2.3.4.4b of the A/goose/Guangdong/1996 (Gs/GD) in striped skunks from Alberta and Manitoba, as well as additional red foxes from Ontario, Manitoba and British Columbia. The sequencing results indicate all cases consist of viruses with different reassortment patterns involving wild bird origin North American and Eurasian lineage influenza A viruses.

### QUANTITATIVE DATA SUMMARY

#### MEASURING UNIT

Animal

Species	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	4	-	4	-

(wild)	TOTAL	-	4	-	4	-	-
red fox (wild)	NEW	-	8	7	1	-	-
	TOTAL	-	10	9	1	-	-
all species	NEW	-	12	7	5	-	-
	TOTAL	-	14	9	5	-	-

### DIAGNOSTIC DETAILS

#### CLINICAL SIGNS

NO

#### 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	Red Fox, Striped Skunk	8	2022/05/02	2022/05/26	Positive

### CONTROL MEASURES

#### CONTROL MEASURES AT EVENT LEVEL

#### DOMESTIC ANIMALS

#### WILD ANIMALS

### NEW OUTBREAKS

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

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
AB-2022-HPAIM-001	2022/04/22	-	-
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.

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

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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OB\_103544 - AB-2022-HPAIM-002 - STRATHMORE

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
AB-2022-HPAIM-002	2022/04/26	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alberta	Division No. 5	Strathmore	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Strathmore	51.03 , -113.38 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

Neurologic wild skunk

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	1	-	1	-	-
(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\_103542 - MB-2022-HPAIM-003 - PRAIRIE MOUNTAIN HEALTH REGION

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MB-2022-HPAIM-003	2022/05/11	-	-
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

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

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
BC-2022-HPAIM-001	2022/05/08	-	-
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 kit.			

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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OB\_103539 - ON-2022-HPAIM-002 - SOUTHERN ONTARIO

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ON-2022-HPAIM-002	2022/04/15	-	-
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	43.86 , -79.5 (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	-	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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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	-	-
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

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

## METHOD OF DIAGNOSTIC

Clinical,  
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

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MB-2022-HPAIM-002	2022/05/08	-	-
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.

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

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.

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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