

## Follow-up report No.7

Report reference: , Reference OIE : 22809, Report Date : 12/02/2017, Country : Sweden

### Report Summary

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		<b>Date submitted to OIE</b>	12/02/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	12/02/2017
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	14/11/2016
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	23/11/2016
<b>Serotype(s)</b>	H5N8	<b>Date of last occurrence</b>	05/03/2015
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 21, Draft= 0		

### Outbreak details

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SKÅNE LÄN-other report - submitted	-	Vellinge	Höllviken	Not applicable	Vellinge	55.404506	12.973121	14/11/2016	23/11/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Common Goldeneye:Anatidae(Bucephala clangula)	Animals	...	1	1	0	0			
<b>Affected Population</b>	One wild bird was found alive, but died shortly afterwards, and was then analysed for avian influenza as part of routine surveillance.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SKÅNE LÄN-other report - submitted	-	Eslöv	Eslöv	Natural park	Eslöv	55.831129	13.38718	22/11/2016	20/12/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
<b>Affected Population</b>	One sea eagle was found dead in a park and was sent for analysis as part of the routine program for avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KALMAR LÄN-other report - submitted	-	Mörbylånga	Degerhamn	Not applicable	Degerhamn	56.357032	16.419598	23/11/2016	23/11/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Herring Gull:Laridae(Larus argentatus)	Animals	...	2	2	0	0			
<b>Affected Population</b>	Two European herring gulls were found dead.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SKÅNE LÄN-other report - submitted	-	Malmö	Malmö	Not applicable	Malmö	55.603098	12.991542	25/11/2016	25/11/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Black-headed Gull:Laridae(Larus ridibundus)	Animals	...	2	0	2	0			

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Hooded Crow:Corvidae(Corvus cornix)	Animals	...	1	0	1	0			
Affected Population									

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GOTLANDS LÄN-other report - submitted	-	Gotland	Näs	Not applicable	Gotland	57.108714	18.231455	25/11/2016	25/11/2016
Accipitridae (unidentified):Accipitridae(Accipitridae (incognita))	Animals	...	1	0	1	0			
Affected Population	This wild eagle was found alive with neurological symptoms.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
KALMAR LÄN-other report - submitted	-	Oskarshamn	Strömserum	Not applicable	Strömserum	57.362606	16.371552	01/12/2016	04/01/2017
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead and was then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GOTLANDS LÄN-other report - submitted	-	Gotland	Sanda	Not applicable	Gotland	57.4	18.21	03/12/2016	23/12/2016
Hooded Crow:Corvidae(Corvus cornix)	Animals	...	1	1	0	0			
Affected Population	This crow (Corvus cornix) was found dead and sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
SKÅNE LÄN-other report - submitted	-	Malmö	Malmö	Not applicable	Malmö	55.603098	12.991542	06/12/2016	20/12/2016
Common magpie:Corvidae(Pica pica)	Animals	...	2	2	0	0			
Affected Population	Two magpies were found dead in a park and were sent for analysis as part of the routine program for avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
SKÅNE LÄN-other report - submitted	-	Svedala	Svedala	Not applicable	Törringelund	55.52895	13.13091	06/12/2016	20/12/2016
Eurasian buzzard (common buzzard):Accipitridae(Buteo buteo)	Animals	...	1	1	0	0			

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	One buzzard was found sick with symptoms of the central nervous system. After euthanasia it was sent for analysis as part of the routine surveillance programme for avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
KALMAR LÄN-other report - submitted	-	Västervik	Hallmare	Not applicable	Lofthammar	57.873429	16.748232	11/12/2016	03/01/2017
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead on a rock surface and was then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ÖSTERGÖTLANDS LÄN-other report - submitted	-	Norrköping	Norrköping	Not applicable	Norrköping	58.59	16.19	15/12/2016	23/12/2016
Eurasian Sparrowhawk:Accipitridae(Accipiter nisus)	Animals	...	1	1	0	0			
Affected Population	This sparrowhawk (Accipiter nisus) was found dead and sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
STOCKHOLMS LÄN-other report - submitted	-	Haninge	Utö	Not applicable	Utö	58.96	18.3	17/12/2016	23/12/2016
Tufted Duck:Anatidae(Aythya fuligula)	Animals	...	1	1	0	0			
Affected Population	This tufted duck (Aythya fuligula) was found dead and sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ÖSTERGÖTLANDS LÄN-other report - submitted	-			Forest	Valdemarsvik	58.06	16.78	11/01/2017	27/01/2017
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ÖSTERGÖTLANDS LÄN-other report - submitted	-	Valdemarsvik		Forest	Kväddö	58.06	16.78	13/01/2017	28/01/2017
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

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Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GOTLANDS LÄN-other report - submitted	-	Gotland		Forest	Gotland	56.99	18.39	16/01/2017	28/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Peregrin falcon:Falconidae(Falco peregrinus)	Animals	...	1	1	0	0			
Affected Population	A peregrine falcon (Falco peregrinus) was found dead then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ÖSTERGÖTLANDS LÄN-other report - submitted	-	Valdemarsvik		Livestock market	Kvädö	58.06	16.78	16/01/2017	28/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
STOCKHOLMS LÄN-(this report - submitted)	-	Stockholm	Djurgården	Not applicable	Stockholm	59.325161	18.132028	23/01/2017	07/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	One wild mute swan was found dead in the city of Stockholm. The swan was sent for analysis to the National Veterinary Institute as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SKÅNE LÄN-other report - submitted	-	Helsingborg		Forest	Ramlösa	56.02	12.75	24/01/2017	28/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	A sea eagle (Haliaeetus albicilla) was found dead then sent to the National Veterinary Institute for analysis as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
STOCKHOLMS LÄN-(this report - submitted)	-	Stockholm	Djurgården	Not applicable	Stockholm	59.328045	18.032694	30/01/2017	07/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	2	2	0	0			
Affected Population	Two wild mute swans were found dead in the city of Stockholm. The swans were sent for analysis to the National Veterinary Institute as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
STOCKHOLMS LÄN-(this report - submitted)	-	Stockholm	Norr Mälarstrand	Not applicable	Stockholm	59.328045	18.032694	31/01/2017	03/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	3	1	2	0			
Affected Population	One mute swan was found dead and two were found sick in the city of Stockholm. The sick swans were euthanized and all three were sent for analysis to the National Veterinary Institute as part of the routine surveillance of avian influenza.								

Län	Number of outbreaks	Kommun	City/village/farm	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
STOCKHOLMS LÄN- (this report - submitted)	-	Stockholm	Skeppsholmsbron	Not applicable	Stockholm	59.328045	18.032694	31/01/2017	03/02/2017
Mute Swan:Anatidae(Cygnus olor)	Animals	...	4	3	1	0			
Affected Population	Three mute swans were found dead and one was found sick in the city of Stockholm. The sick swan was euthanized and all four were sent for analysis to the National Veterinary Institute as part of the routine surveillance of avian influenza.								

### Outbreak summary: Total outbreaks = 21 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Common Goldeneye		1	1	0	0
White-tailed Eagle		7	7	0	0
Herring Gull		2	2	0	0
Black-headed Gull		2	0	2	0
Hooded Crow		2	1	1	0
Accipitridae (unidentified)		1	0	1	0
Common magpie		2	2	0	0
Eurasian buzzard (common buzzard)		1	1	0	0
Eurasian Sparrowhawk		1	1	0	0
Tufted Duck		1	1	0	0
Peregrin falcon		1	1	0	0
Mute Swan		10	7	3	0

### Epidemiology

#### Epidemiological comments

#### Source of the outbreak(s) or origin of infection

- Contact with wild species

#### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• surveillance outside containment and/or protection zone</li> <li>• official destruction of animal products</li> <li>• surveillance within containment and/or protection zone</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	Yes

#### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	02/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	virus sequencing	07/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	06/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	02/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	virus sequencing	07/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	06/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	03/02/2017	Positive

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Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	National Veterinary Institute	Mute Swan	virus sequencing	07/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	06/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	03/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	virus sequencing	07/02/2017	Positive
National laboratory	National Veterinary Institute	Mute Swan	real-time PCR	06/02/2017	Positive

### Future Reporting

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

## Outbreak maps

