

Follow-up report No.: 13

Report reference: , OIE Ref: 11789, Report Date: 23/03/2012, Country: Hong Kong (SAR - PRC)

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of first confirmation of the event	20/12/2011	Date of Start of Event	17/12/2011
Date of report	23/03/2012	Date Submitted To OIE	23/03/2012
Diagnosis	Laboratory (advanced)	Date Of Last Occurrence	13/12/2011
Number Of Reported Outbreaks	Submitted= 20, Draft= 0	Name of Sender of the report	Dr Thomas Sit
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Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tin Shui Wai	Not applicable	5 Tin Wu Road	22,453353	114,002912	17/12/2011	17/12/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
An Oriental Magpie Robin (<i>Copsychus saularis</i>) was collected on 17 December 2011 at Tin Shui Wai. The Oriental Magpie Robin is a common local resident in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Cheung Sha Wan	Not applicable	4 Hing Wah Street	22,343783	114,154917	20/12/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	19452	1	1	19451	0	
Affected Population							
A chicken carcass tested positive for highly pathogenic H5N1 avian influenza virus during regular surveillance on 20 December 2011.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tuen Mun	Not applicable	133 Lung Mun Road	22,367506	113,929303	30/12/2011	30/12/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	

Affected Population

A black-headed gull (*Chroicocephalus ridibundus*) was collected on 30 December 2011 at Tuen Mun. The black-headed gull is a common winter visitor in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Lantau	Not applicable	Sha Lo Wan Soccer Pitch	22,287858	113,902082	01/01/2012	01/01/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A black-headed gull (*Chroicocephalus ridibundus*) was collected on 01 January 2012 at Lantau. The black-headed gull is a common winter visitor in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Yuen Long	Not applicable	Lot 1520RP, DD123, Nam Sang Wai	22,468873	114,031082	12/01/2012	12/01/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A little egret (*Egretta garzetta*) was collected on 12 January 2012 at Yuen Long. The little egret is a common resident in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Sham Tsengon	Not applicable	13 milestone, Castle Peak Road	22,36547	114,05719	20/01/2012	20/01/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	...	1	1	0	0

Affected Population

A goose carcass from unknown source was collected on 20 January 2012 at Anglers' Beach of Sham Tsengon. The carcass was badly decomposed at the time of collection.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Yuen Long	Not applicable	Chun Yin Square Playground	22,446875	114,023804	30/01/2012	30/01/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A black-headed gull (*Chroicocephalus ridibundus*) was collected on 30 January 2012 at Yuen Long. The black-headed gull is a common winter visitor in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tung Chung	Not applicable	Man Tung Road	22,291141	113,946973	30/01/2012	30/01/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A peregrine falcon (*Falco peregrinus calidus*) was collected on 30 January 2012 at Tung Chung. The peregrine falcon is a rare winter visitor in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tuen Mun	Not applicable	Yau Oi Estate	22,389502	113,973954	30/01/2012	30/01/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
An Oriental Magpie Robin (<i>Copsychus saularis</i>) was collected on 30 January 2012 at Tuen Mun. The Oriental Magpie Robin is a common local resident in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tuen Mun	Not applicable	Heung Sze Wui Road	22,393403	113,973447	06/02/2012	06/02/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
A little egret (<i>Egretta garzetta</i>) was collected on 6 February 2012 at Tuen Mun. The little egret is a common resident in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Yuen Long	Not applicable	No 14. Lane 2 Tung Tau Wai San Tsuen	22,4545	114,029269	07/02/2012	07/02/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
An Oriental Magpie Robin (<i>Copsychus saularis</i>) was collected on 7 February 2012 at Yuen Long. The Oriental Magpie Robin is a common local resident in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tuen Mun	Not applicable	Heung Sze Wui Road	22,39306	113,972961	07/02/2012	07/02/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
A little egret (<i>Egretta garzetta</i>) was collected on 7 February 2012 at Tuen Mun. The little egret is a common resident in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Yuen Long	Not applicable	Nam Sang Wai Road	22,462315	114,031686	08/02/2012	08/02/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population							
A Grey Heron (<i>Ardea cinerea</i>) was collected on 8 February 2012 at Yuen Long. The Grey Heron is a common winter visitor in Hong Kong.							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Mongkok	Not applicable	131 Argyle Street	22,323197	114,174369	24/02/2012	24/02/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A Crested Goshawk (*Accipiter trivirgatus*) was collected on 24 February 2012 at Mongkok. The Crested Goshawk is an uncommon local resident in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Cheung Chau	Not applicable	76 Hing Lung Back Street	22,208417	114,029583	25/02/2012	25/02/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

An Oriental Magpie Robin (*Copsychus saularis*) was collected on 25 February 2012 at Cheung Chau. The Oriental Magpie Robin is a common local resident in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Cheung Chau	Not applicable	80 Hok Loo Lane	22,208543	114,029652	27/02/2012	27/02/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

An Oriental Magpie Robin (*Copsychus saularis*) was collected on 27 February 2012 at Cheung Chau. The Oriental Magpie Robin is a common local resident in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Tuen Mun	Not applicable	Castle Peak Power Station Plant B	22,373747	113,923196	02/03/2012	02/03/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A black-headed gull (*Chroicocephalus ridibundus*) was collected on 2 March 2012 at Tuen Mun. The black-headed gull is a common winter visitor in Hong Kong.

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Ma On Shan	Not applicable	Kam Fung Court	22,422176	114,224718	03/03/2012	03/03/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A peregrine falcon (*Falco peregrinus calidus*) was collected on 3 March 2012 at Ma On Shan. The peregrine falcon is a rare winter visitor in Hong Kong.

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Lantau	Not applicable	80 South Perimeter Road	22,303589	113,899532	12/03/2012	12/03/2012

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

Affected Population

A peregrine falcon (*Falco peregrinus calidus*) was collected on 12 March 2012 at Lantau. The peregrine falcon is a rare winter visitor in Hong Kong.

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
HONG KONG	Shek Kip Mei	Not applicable	Tai Hang Tung Recreation Ground	22,327681	114,17201	15/03/2012	15/03/2012
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	

Affected Population

A house crow (*Corvus splendens*) was collected on 15 March 2012 at Shek Kip Mei. The house crow is an invasive bird species in Hong Kong.

Outbreak summary: Total outbreaks = 20 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species		18	18	0	0
Birds	19452	2	2	19451	0

Epidemiology

Epidemiological comments

An intensive surveillance system is in place for all poultry farms, poultry markets and pet bird shops in Hong Kong. The H5N1 infected wild birds and goose carcass from unknown source were detected in ongoing surveillance programme on wild birds. The dates of the outbreaks are the same as the dates the birds were collected (i.e. 17 December 2011, 30 December 2011, 1 January 2012, 12 January 2012, 20 January 2012, 30 January 2012, 6 February 2012, 7 February 2012, 8 February 2012, 24 February 2012, 25 February 2012, 27 February 2012, 2 March 2012, 3 March 2012, 12 March 2012 and 15 March 2012 respectively).

A total of 19,451 poultry, including 15,569 chickens, 810 pigeons, 1,950 pheasants and 1,122 silky fowls were culled in the Cheung Sha Wan Temporary Wholesale Poultry Market on 21 December 2011. The Wholesale Poultry Market was closed. Importation of live poultry and movement of poultry in local farms is banned for 21 days.

Surveillance and monitoring of local chicken farms has been stepped up. No H5 virus was detected in samples taken from the 30 chicken farms in Hong Kong. The Wholesale Poultry Market was reopened on 12 January 2012.

Source of the outbreak(s) or origin of infection	• Unknown or inconclusive
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Control Measures

Applied	<ul style="list-style-type: none"> • Stamping out • Quarantine • Movement control inside the country • Screening • Zoning • Disinfection of infected premises/establishment(s) • Dipping / Spraying 	To be applied	• No Planned Control Measures
		Vaccination Prohibited	No
Animals treated	No		

Country / Zone

Country or zone	the whole country
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
Regional Reference Laboratory	Centre of Influenza Research, School of Public Health, Li Ka Shing Faculty of Medicine, University of Hong Kong	Wild species	gene sequencing		Pending
Regional Reference Laboratory	Centre of Influenza Research, School of Public Health, Li Ka Shing Faculty of Medicine, University of Hong Kong	Wild species	gene sequencing		Pending
National laboratory	Tai Lung Veterinary Laboratory, Agriculture, Fisheries & Conservation Department	Wild species	virus isolation	22/03/2012	Positive
National laboratory	Tai Lung Veterinary Laboratory, Agriculture, Fisheries & Conservation Department	Wild species	immunohistochemical test	17/03/2012	Positive
National laboratory	Tai Lung Veterinary Laboratory, Agriculture, Fisheries & Conservation Department	Wild species	polymerase chain reaction (PCR)	17/03/2012	Positive
National laboratory	Tai Lung Veterinary Laboratory, Agriculture, Fisheries & Conservation Department	Wild species	virus isolation	19/03/2012	Positive

Future Reporting

What further reports will be submitted in relation to this event?
There are 1outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.
The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

