Follow-up report No.: 4
Report reference: , OIE Ref: 10289, Report Date: 04/03/2011, 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: 19/01/2011
Date of Start of Event: 17/01/2011
Date of report: 04/03/2011
Date Submitted To OIE: 04/03/2011
Diagnosis: Laboratory (advanced)
Date Of Last Occurrence: 18/12/2010
Number Of Reported Outbreaks:Submitted= 7, Draft= 0
Name of Sender of the report: Dr Thomas Sit
Address: 7/F Cheung Sha Wan Government Offices, 303 Cheung Sha Wan Road, Kowloon Hong Kong
Position: Chief Veterinary Officer / Assistant Director (Inspection & Quarantine)
Telephone: 852 2150 6602
Fax: 852 2199 7050
Email: thcsit@afcd.gov.hk
Entered by: Dr Thomas Sit

Outbreak (other report - submitted)

Province: HONG KONG
District: Yuen Long
Unit Type: Not applicable
Location: Fairview Park
Latitude: 22.479058
Longitude: 114.046247
Start date: 17/01/2011
End Date: 17/01/2011
Species: Wild species
Measuring units: Animals
Susceptible: 1
Cases: 1
Deaths: 1
Destroyed: 0
Slaughtered: 0
Affects Population: An Oriental Magpie Robin (Copsychus saularis) was collected on 17 January 2011 at the Fairview Park. Oriental Magpie Robin is a common and widespread resident in Hong Kong.

Outbreak (other report - submitted)

Province: HONG KONG
District: Lantau Island
Unit Type: Not applicable
Location: Tai O
Latitude: 22.258305
Longitude: 113.862218
Start date: 18/01/2011
End Date: 18/01/2011
Species: Wild species
Measuring units: Animals
Susceptible: 1
Cases: 1
Deaths: 1
Destroyed: 0
Slaughtered: 0
Affects Population: A Large-billed Crow (Corvus macrorhynchus) carcass was collected on 18 January 2011 at Tai O. Large-billed Crow is a common and widespread resident in Hong Kong.

Outbreak (other report - submitted)

Province: HONG KONG
District: Lantau Island
Unit Type: Not applicable
Location: South Perimeter Road
Latitude: 22.304322
Longitude: 113.898322
Start date: 24/01/2011
End Date: 24/01/2011
Species: Wild species
Measuring units: Animals
Susceptible: 1
Cases: 1
Deaths: 1
Destroyed: 0
Slaughtered: 0
Affected Population

A Black-headed Gull (Chroicocephalus ridibundus) carcass was collected on 24 January 2011 at South Perimeter Road. The bird is a common winter visitor (November to April) in Hong Kong.

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONG KONG</td>
<td>Lantau Island</td>
<td>Not applicable</td>
<td>Tai O</td>
<td>22.25846</td>
<td>113.86025</td>
<td>25/01/2011</td>
<td>25/01/2011</td>
</tr>
</tbody>
</table>

Species  | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population

A chicken carcass from unknown source was collected on 25 January 2011 at the shore of Tai O. The carcass was badly decomposed at the time of collection.

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONG KONG</td>
<td>Lantau Island</td>
<td>Not applicable</td>
<td>Tai O</td>
<td>22.407649</td>
<td>113.96912</td>
<td>28/01/2011</td>
<td>28/01/2011</td>
</tr>
</tbody>
</table>

Species  | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td></td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population

Two chicken carcasses from unknown source were collected on 28 January 2011 at the shore of Tai O. The carcasses were in an advanced state of decomposition at the time of collection.

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONG KONG</td>
<td>Lantau Island</td>
<td>Not applicable</td>
<td>Tai O</td>
<td>22.259716</td>
<td>113.863142</td>
<td>03/02/2011</td>
<td>03/02/2011</td>
</tr>
</tbody>
</table>

Species  | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population

A duck carcass from unknown source was collected on 3 February 2011 at the shore of Tai O. The carcass was badly decomposed at the time of collection.

Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONG KONG</td>
<td>Lantau Island</td>
<td>Not applicable</td>
<td>Sham Shek Tsuen</td>
<td>22.28221</td>
<td>113.89484</td>
<td>01/03/2011</td>
<td>01/03/2011</td>
</tr>
</tbody>
</table>

Species  | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population

A goose carcass from unknown source was collected on 1 March 2011 at the shore of Sham Shek Tsuen. The carcass was badly decomposed at the time of collection.

Outbreak summary: Total outbreaks = 7 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild species</td>
<td></td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Birds</td>
<td></td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

An intensive surveillance system is in place for all poultry farms, poultry markets, pet bird shops, park birds and wild birds in Hong Kong.

Since February 2006, the HKSAR Government has banned backyard poultry farming and daily rural patrols throughout the territory have been put in place since then; this activity has been enhanced since the occurrence of the event. No poultry farm or backyard poultry farming activities were
detected within the 3-km-radius affected zones. The monitoring on local poultry farms was also enhanced and no irregularity was detected.

The HKSAR government will continue to monitor the situation including wild bird surveillance and local poultry farm monitoring.

No spread of disease was evident.

Source of the outbreak(s) or origin of infection: Unknown or inconclusive

Control Measures

<table>
<thead>
<tr>
<th>Control Measures</th>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Screening</td>
<td>• No Planned Control Measures</td>
</tr>
<tr>
<td></td>
<td>• Disinfection of infected premises/establishment(s)</td>
<td></td>
</tr>
</tbody>
</table>

Vaccination Prohibited: No

Animals treated: No

Country / Zone

Country or zone: the whole country

Diagnostic test results

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date Results Provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional Reference Laboratory</td>
<td>Department of Microbiology, University of Hong Kong</td>
<td>Birds</td>
<td>gene sequencing</td>
<td></td>
<td>Pending</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries and Conservation Department</td>
<td>Birds</td>
<td>virus isolation</td>
<td>04/03/2011</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries and Conservation Department</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>04/03/2011</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

What further reports will be submitted in relation to this event?

There are 0 outbreaks 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.