### 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**  
15/09/2011

**Date of report**  
24/10/2011

**Date of Start of Event**  
13/09/2011

**Date of report**  
24/10/2011

**Date Submitted To OIE**  
26/10/2011

**Diagnosis**  
Clinical, Laboratory (basic), Laboratory (advanced)

**Date Of Last Occurrence**  
03/08/2008

**Number Of Reported Outbreaks**  
Submitted= 3, Draft= 0

**Name of Sender of the report**  
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**Province**  
MAZANDARAN

<table>
<thead>
<tr>
<th>District</th>
<th>Sub-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>SAVADKOOH</td>
<td>ZIRAB</td>
<td>Village</td>
<td>KHUJ KOLA</td>
<td>36.16934</td>
<td>52.961655</td>
<td>13/09/2011</td>
<td></td>
</tr>
</tbody>
</table>

**Species**  
Birds

**Measuring units**  
Animals

**Susceptible**  
397

**Cases**  
85

**Deaths**  
35

**Destroyed**  
362

**Slaughtered**  
0

**Affected Population**  
Free-range ducks (backyard)

### Outbreak (other report - submitted)

**Province**  
MAZANDARAN

<table>
<thead>
<tr>
<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>JOOYBAR</td>
<td>Village</td>
<td>BALAZARRIN KOLA</td>
<td>36.72327</td>
<td>52.9355</td>
<td>13/09/2011</td>
<td></td>
</tr>
</tbody>
</table>

**Species**  
Birds

**Measuring units**  
Animals

**Susceptible**  
2285

**Cases**  
450

**Deaths**  
310

**Destroyed**  
1975

**Slaughtered**  
0

**Affected Population**  
Free-range ducks (backyard)
### Outbreak summary: Total outbreaks = 3 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>8182</td>
<td>1785</td>
<td>1367</td>
<td>6815</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Epidemiology

**Epidemiological comments**

The event was reported according to the Iranian passive surveillance in place; a post-outbreak investigation to trace the source of infection is ongoing to detect the probable spread and circulation of H5 serotype. Active surveillance is ongoing in all parts of Mazandaran.

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

- Under investigation, but at this season this province is host to migratory waterfowl from the north.

#### Control Measures

**Applied**

- Control of wildlife reservoirs
- Stamping out
- Quarantine
- Movement control inside the country
- Screening
- Zoning
- Disinfection of infected premises/establishment(s)

**To be applied**

- No Planned Control Measures

**Animals treated**

No

#### Country / Zone

Country or zone: a zone or compartment

#### 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>National laboratory</td>
<td>Central Veterinary Laboratory of Iran Veterinary Organization</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>21/10/2011</td>
<td>Positive</td>
</tr>
</tbody>
</table>

#### Future Reporting

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

There are 3 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.