

Immediate notification

17/07/2013

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

| | | |
|----------------------------|-------------------|-----------|
| Sender | Country/territory | Report ID |
| Delegate of Chinese Taipei | Chinese Taipei | IN_13775 |
| Event status | Self-declaration | |
| On-going | No | |

General information

| | | |
|------------------------------|---------------------------------------|---------------------------|
| Country or zone - Zone | Disease - Rabies | Started on - 23/05/2012 |
| Animal type - Terrestrial | Genotype/serotype/subtype - Not typed | Confirmed on - 24/06/2013 |
| Causal agent - Lyssavirus | Disease category - OIE-listed | Reported on - 17/07/2013 |
| Last occurrence - 08/03/1959 | Reason - Recurrence | |

Epidemiology

Source of the event or origin of the infection - Unknown or inconclusive

Epidemiological comments Three dead wild ferret-badgers which were found in Nantou County in May 2012 and December 2012, and Yunlin County in November 2012 were detected by RT-PCR as suspicious rabies cases by National Taiwan University on 17 June 2013. Before the detection, National Taiwan University conducted a series of tests including necropsy, Immunohistochemistry (IHC), and RT-PCR for six months and ruled out the possibility of canine distemper and pseudo rabies. National Taiwan University then conducted RT-PCR of rabies in June 2013, and had the first positive result reported on 24 June 2013. The samples were sent to the National Laboratory on 26 June 2013 for final diagnosis. National Laboratory had then conducted RT-PCR test, direct fluorescent antibody test (not using fresh brain tissue to test) and IHC test, and found positive result by these tests. Because there was no fresh brain tissue to do the fluorescent antibody test (the gold-standard test of the OIE), in order to confirm these cases, National Laboratory had held an expert committee meeting on 16 July 2013 to discuss, and confirmed the cases as rabies. Intensified vaccination activities were conducted on the areas where these dead wild animals were collected and the monitoring is undergoing.

Control measures at event level

Domestic control measures

- Applied
- Quarantine
 - Screening
 - Vaccination in response to the outbreak (s)

Wild control measures

- Applied
- Quarantine
 - Screening
 - Vaccination in response to the outbreak (s)

Diagnostic

Clinical signs - Yes

Method of diagnostic - Diagnostic test

| Test name | Category | Test type | Laboratory | Species sampled | Outbreaks | Tested from | Tested until | Result |
|--|------------------------|-----------------|----------------------------|-----------------------|-----------|-------------|--------------|----------|
| Reverse transcription-polymerase chain reaction (RT-PCR) | Nucleic acid detection | Laboratory Test | National Taiwan University | Chinese Ferret-badger | | 24/06/2013 | | Positive |
| Reverse transcription- | Nucleic acid | Laboratory | Animal | Chinese | | 09/07/2013 | | Positive |

| | | | | | | | | | |
|------------------------------------|--|-----------------|--|-----------------------|--|------------|--|--|----------|
| polymerase chain reaction (RT-PCR) | detection | Test | Health Research Institute, Council of Agriculture | Ferret-badger | | | | | |
| Direct fluorescent antibody test | Antibody detection tests | Laboratory Test | Animal Health Research Institute, Council of Agriculture | Chinese Ferret-badger | | 17/07/2013 | | | Positive |
| Immunohistochemistry (IHC) | Immunological methods for antigen or protein detection | Laboratory Test | Animal Health Research Institute, Council of Agriculture | Chinese Ferret-badger | | 09/07/2013 | | | Positive |
| Antigen detection ELISA | Antibody detection tests | Laboratory Test | Animal Health Research Institute, Council of Agriculture | Chinese Ferret-badger | | 09/07/2013 | | | Positive |

Quantitative data summary

Measuring unit - Animal

| Species | Type | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered | Vaccinated | Outbreak morbidity | Outbreak mortality |
|--|-------|-------------|-------|--------|------------------------|-------------|------------|--------------------|--------------------|
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | New | - | 3 | 3 | 0 | 0 | - | - | - |
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | Total | - | 3 | 3 | 0 | 0 | - | - | - |
| All species | New | - | 3 | 3 | 0 | 0 | - | - | - |
| All species | Total | - | 3 | 3 | 0 | 0 | - | - | - |

Outbreaks

1000039677-Lugu Township

Started on - 23/05/2012

First administrative division - Nantou County

Ended on - 23/05/2012

Epidemiological unit - Not applicable

Geographic coordinates - 23.672556,120.79662

Location - Lugu Township

Description of the affected populationFerret-badger

| Species | Type | Measuring unit | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered | Vaccinated |
|--|-------|----------------|-------------|-------|--------|------------------------|-------------|------------|
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | New | Animal | - | 1 | 1 | 0 | 0 | - |
| Chinese Ferret-badger | Total | Animal | - | 1 | 1 | 0 | 0 | - |

| | | | | | | | | |
|--|-------|--------|---|---|---|---|---|---|
| (Melogale moschata):Mustelidae-Carnivora | | | | | | | | |
| All species | New | Animal | - | 1 | 1 | 0 | 0 | - |
| All species | Total | Animal | - | 1 | 1 | 0 | 0 | - |

1000039679-Yuchih Township

Started on - 29/12/2012

First administrative division - Nantou County

Ended on - 29/12/2012

Epidemiological unit - Not applicable

Geographic coordinates - 23.853657,120.901794

Location - Yuchih Township

Description of the affected population Ferret-badger

| Species | Type | Measuring unit | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered | Vaccinated |
|--|-------|----------------|-------------|-------|--------|------------------------|-------------|------------|
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | New | Animal | - | 1 | 1 | 0 | 0 | - |
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | Total | Animal | - | 1 | 1 | 0 | 0 | - |
| All species | New | Animal | - | 1 | 1 | 0 | 0 | - |
| All species | Total | Animal | - | 1 | 1 | 0 | 0 | - |

1000039678-Gukeng Township

Started on - 25/11/2012

First administrative division - Yunlin County

Ended on - 25/11/2012

Epidemiological unit - Not applicable

Geographic coordinates - 23.62062,120.604134

Location - Gukeng Township

Description of the affected population Ferret-badger

| Species | Type | Measuring unit | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered | Vaccinated |
|--|-------|----------------|-------------|-------|--------|------------------------|-------------|------------|
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | New | Animal | - | 1 | 1 | 0 | 0 | - |
| Chinese Ferret-badger (Melogale moschata):Mustelidae-Carnivora | Total | Animal | - | 1 | 1 | 0 | 0 | - |
| All species | New | Animal | - | 1 | 1 | 0 | 0 | - |
| All species | Total | Animal | - | 1 | 1 | 0 | 0 | - |

Map legend

OUTBREAKS REPRESENTATION ON MAP

OUTBREAKS NATURE

Single / Cluster

Domestic species



Wild species



Domestic & Wild



OUTBREAKS STATUS

Outbreak currently reported



Ongoing outbreak



Resolved outbreak



AGGREGATION REPRESENTATION

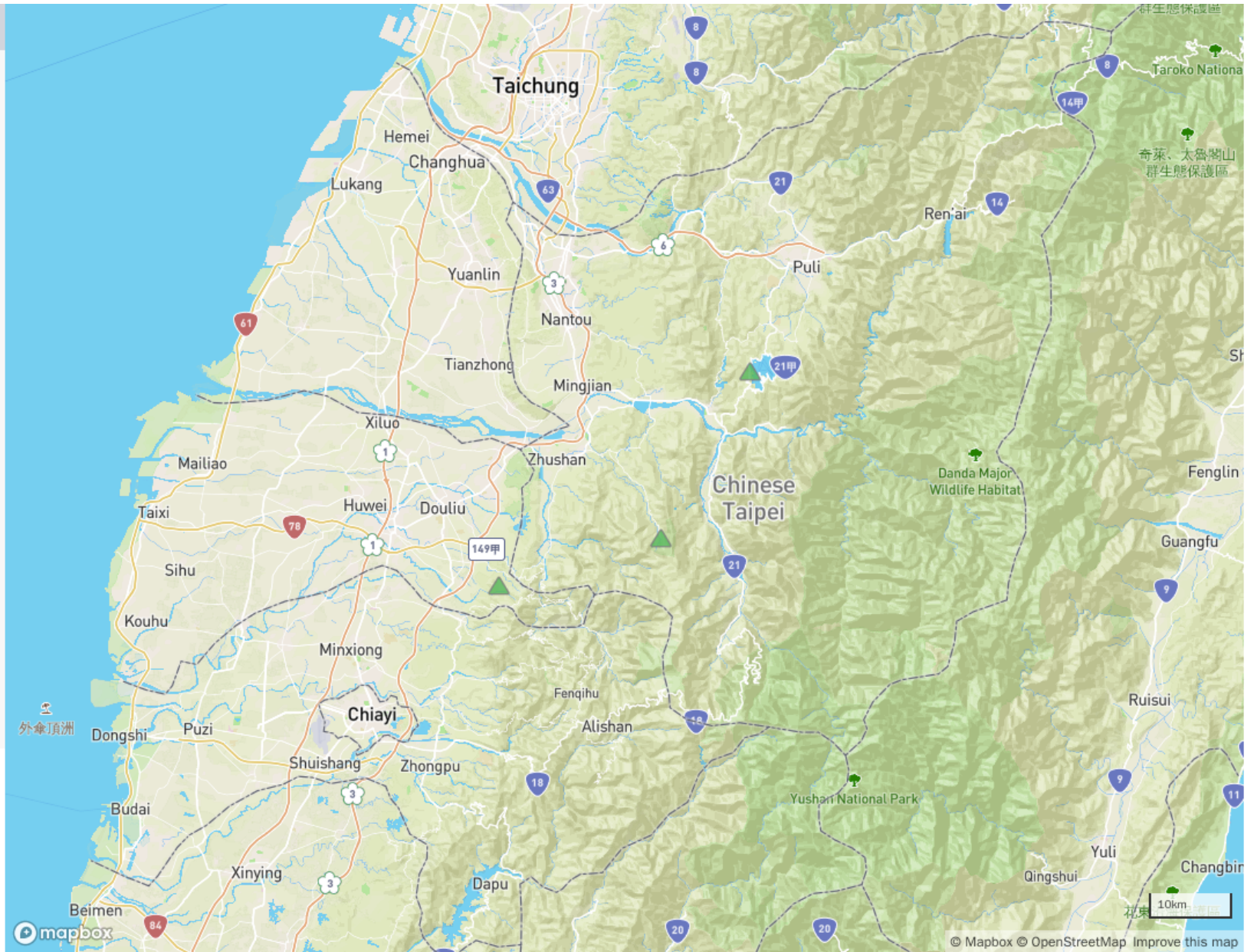
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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