

Immediate notification report

Report reference: PB01 REF OIE 12943, Report Date: 31/01/2013, Country : Brazil

Report Summary

| | | | |
|-------------------------------------|--|------------------------------|--------------------------------------|
| Name of sender of the report | Dr Figueiredo Marques Guilherme Henrique | Telephone | (55 61) 32 18 27 09 |
| Position | Director | Fax | (55-61) 32 26 34 46 |
| Address | Espl. dos Ministérios Bloco "D" Anexo A - 3° Andar- Sala 301-A CEP 70043-900 Brasilia, DF Brasilia 70043-900 | Email | guilherme.marques@agricultura.gov.br |
| | | Date submitted to OIE | 31/01/2013 |

| | | | |
|-------------------------------------|--------------------------------------|--|-----------------------|
| Animal type | Aquatic | Date of report | 31/01/2013 |
| Disease | Infection with Perkinsus marinus | Date of start of the event | 16/12/2012 |
| Causal Agent | Perkinsus marinus | Date of pre-confirmation of the event | 30/01/2013 |
| Reason | First occurrence of a listed disease | Diagnosis | Laboratory (advanced) |
| Country or zone | the whole country | Clinical signs | No |
| Number of reported outbreaks | submitted= 1, Draft= 0 | | |

Outbreak details

| Province | Number of outbreaks | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start Date | End Date: | Water Type | population | Production system |
|---|-----------------------------------|-----------|--------------|-----------------|---------------|----------|-----------|------------|-------------|----------------|------------|--------------------------|
| PARAIBA- (this report - submitted) | - | Lucena | | Estuary | River Paraíba | -6.97128 | -34.48625 | 16/12/2012 | 31/01/2013 | Brackish Water | Wild | Open (e.g. wild fishery) |
| Species | Units for morbidity and | Morbidity | Mortality | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | | |
| Molluscs: Oyster(Cassostrea rhizophorae) | qual | 0 | 0 | Animals | ... | ... | ... | 0 | 0 | | | |
| Affected Population | Native species from Paraíba coast | | | | | | | | | | | |

Outbreak summary: Total outbreaks = 1 (Submitted)

| Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
|----------|-------------|-------|--------|-----------|-------------|
| Molluscs | | | | 0 | 0 |

Epidemiology

Epidemiological comments

Within a study conducted at the Federal University of Paraíba on the occurrence of diseases affecting native oysters *Crassostrea* spp., samples in oysters without clinical signs were taken in the estuary of the river Paraíba (Paraíba State - Brazil). The samples tested positive in an unofficial private laboratory. The official veterinary services of the Ministry of Fisheries and Aquaculture (MPA) were reported and new samples were taken and sent to an official laboratory of the MPA.

No apparent loss of balance has been observed in the wild populations affected.

The main area of commercial farms of bivalve molluscs of the country (State of Santa Catarina) is at about 2,700 km away from the outbreak.

Note by the OIE Animal Health Information Department: Since this is the first time that infection with *Perkinsus marinus* is identified in the history of the country, the reason for notification as first occurrence applies to the country but the event is in fact circumscribed to a zone.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

| | |
|--|---|
| Applied | To be applied |
| <ul style="list-style-type: none"> • movement control inside the country • tracing forward • surveillance within containment and/or buffer zone | <ul style="list-style-type: none"> • surveillance outside containment and/or buffer zone |
| Animals treated | Vaccination Prohibited |
| No | No |

Diagnostic test results

| Laboratory Type | Name of Laboratory | Species | Test Type | Date Results Provided | Result |
|-----------------|--------------------|---------|-----------|-----------------------|--------|
| | | | | | |

| Laboratory Type | Name of Laboratory | Species | Test Type | Date Results Provided | Result |
|---------------------|--|--------------------------------|------------------------------------|-----------------------|----------|
| National laboratory | Official Central Laboratory of Ministry of Fisheries and Aquaculture - AQUACEN - Minas Gerais | Oyster(Cassostrea rhizophorae) | gene sequencing | 30/01/2013 | Positive |
| National laboratory | Official Central Laboratory of Ministry of Fisheries and Aquaculture - AQUACEN - Minas Gerais | Oyster(Cassostrea rhizophorae) | polymerase chain reaction (PCR) | 30/01/2013 | Positive |

Future Reporting

The report and all its outbreaks have been resolved.

Outbreak maps

