

QUARTERLY AQUATIC ANIMAL DISEASE REPORT

Country: Hong Kong SAR, China

Period: April-June 2005

| Item | Disease status ^{a/} | | | Level of diagnosis | Epidemiological comment numbers |
|--|------------------------------|------|------|--------------------|---------------------------------|
| | Month | | | | |
| | April | May | June | | |
| DISEASES PREVALENT IN THE REGION | | | | | |
| FINFISH DISEASES | | | | | |
| OIE-listed diseases | | | | | |
| 1. Epizootic haematopoietic necrosis | 0000 | 0000 | 0000 | II | |
| 2. Infectious haematopoietic necrosis | 0000 | 0000 | 0000 | III | |
| 3. <i>Oncorhynchus masou</i> virus disease | 0000 | 0000 | 0000 | II | |
| 4. Spring viraemia of carp | 0000 | 0000 | 0000 | III | |
| 5. Viral haemorrhagic septicaemia | 0000 | 0000 | 0000 | III | |
| 6. Viral encephalopathy and retinopathy | + | + | +? | III | 1. |
| 7. Infectious pancreatic necrosis | 0000 | 0000 | 0000 | | |
| 8. Epizootic ulcerative syndrome (EUS) | 0000 | 0000 | 0000 | | |
| 9. Bacterial kidney disease | 0000 | 0000 | 0000 | | |
| 10. Red seabream iridoviral disease | - | + | + | III | 2. |
| 11. Enteric septicaemia of catfish | 0000 | 0000 | 0000 | III | |
| Non OIE-listed diseases relevant to the region | | | | | |
| 12. Epitheliocystis | (2002) | | | II | |
| 13. Grouper iridoviral disease | + | + | - | III | 3. |
| 14. Infection with koi herpesvirus | - | - | - | III | |
| MOLLUSC DISEASES | | | | | |
| OIE-listed diseases | | | | | |
| 1. Infection with <i>Bonamia exitiosa</i> | 0000 | 0000 | 0000 | II | |
| 2. Infection with <i>Mikrocytos roughleyi</i> | 0000 | 0000 | 0000 | II | |
| 3. Infection with <i>Haplosporidium nelsoni</i> | 0000 | 0000 | 0000 | II | |
| 4. Infection with <i>Marteilia sydneyi</i> | 0000 | 0000 | 0000 | II | |
| 5. Infection with <i>Perkinsus olseni/atlanticus</i> ^{b/}) | 0000 | 0000 | 0000 | II | |
| Non OIE-listed diseases relevant to the region | | | | | |
| 6. Infection with <i>Marteilioides chungmuensis</i> | 0000 | 0000 | 0000 | II | |
| CRUSTACEAN DISEASES | | | | | |
| OIE-listed diseases | | | | | |
| 1. Taura syndrome | 0000 | 0000 | 0000 | III | |
| 2. White spot disease | - | +? | +? | III | 4. |
| 3. Yellowhead disease (YH virus, gill-associated virus) | 0000 | 0000 | 0000 | III | |
| 4. Spherical baculovirus (<i>Penaeus monodon</i> -type baculovirus) | 0000 | 0000 | 0000 | II | |
| 5. Infectious hypodermal and haematopoietic necrosis | 0000 | 0000 | 0000 | II | |
| 6. Spawner-isolated mortality virus disease | 0000 | 0000 | 0000 | II | |
| 7. Tetrahedral baculovirus (<i>Baculovirus penaei</i>) | 0000 | 0000 | 0000 | II | |
| Non OIE-listed diseases relevant to the region | | | | | |
| 8. Necrotising hepatopancreatitis | 0000 | 0000 | 0000 | II | |
| 9. Baculoviral midgut gland necrosis | 0000 | 0000 | 0000 | II | |
| 10. White tail disease (MrNV and XSV) | 0000 | 0000 | 0000 | II | |
| UNKNOWN DISEASES OF A SERIOUS NATURE | | | | | |
| 1. Akoya oyster disease | 0000 | 0000 | 0000 | | |
| 2. Abalone viral mortality | 0000 | 0000 | 0000 | | |
| ANY OTHER DISEASES OF IMPORTANCE | | | | | |
| 1. | | | | | |
| 2. | | | | | |

Prepared by:

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Name:

Position:

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Signature:

Date:

15 Sep 2005

Endorsed by (OIE Delegate):

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Name:

Position:

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Signature:

Date:

15 Sept 05.

DISEASES PRESUMED EXOTIC TO THE REGION, BUT LISTED BY THE OIE^{cf}

Finfish: Channel catfish virus disease; Infectious salmon anaemia; Piscirickettsiosis; Gyrodactylosis (*Gyrodactylus salaris*); White sturgeon iridoviral disease

Molluscs: Infection with *Bonamia ostreae*; *Marteilia refringens*; *Mikrocytos mackini*; *Perkinsus marinus*; *Candidatus Xenohaliotis californiensis*; *Haplosporidium costale*

Crustaceans: Crayfish plague (*Aphanomyces astaci*)

a/ Please use the following symbols:

| | | | |
|----|---|--------|--|
| + | Disease reported or known to be present | +() | Occurrence limited to certain zones |
| +? | Serological evidence and/or isolation of causative agent but no clinical diseases | *** | No information available |
| ? | Suspected by reporting officer but presence not confirmed | 0000 | Never reported |
| | | - | Not reported (but disease is known to occur) |
| | | (year) | Year of last occurrence |

b/ *Perkinsus olseni* and *P.atlanticus* are now considered conspecific. They may have different host species in different regions, and countries are encouraged to provide epidemiological comments where either of these agents occur.

c/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases.

1. Epidemiological comments:

(Comments should include: 1) Origin of the disease or pathogen (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogen (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 8) Preventive/control measures taken; 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories); 10) Published paper (articles in journals/website, etc). and 11) Unknown diseases: describe details as much as possible.)

| Comment No. | |
|-------------|---|
| 1 | Three disease cases caused by Nervous Necrosis Virus were identified by virus isolation and/or PCR during the three month period. The species involved were green grouper and giant grouper. NNV was detected in one other case involving red snapper, but there were no disease symptoms referable to NNV infection. |
| 2 | There were three cases of disease caused by RSIV by PCR, all involving green grouper. |
| 3 | There was one disease case involving green grouper that was caused by Grouper Iridovirus. There was also one case of GIV infection in green grouper but no evidence of disease caused by GIV. |
| 4 | White Spot Virus was detected in four cases involving health certification testing of apparently healthy red lobsters intended for the ornamental fish export industry. Health certificate was not issued for infected batches. |
| 5 | |

2. New aquatic animal health regulations introduced within past six months (with effective date):
None.