

QUARTERLY AQUATIC ANIMAL DISEASE REPORT

Country: Hong Kong SAR, China

Period: October-December 2004

Item	Disease status ^{a/}			Level of diagnosis	Epidemiological comment numbers
	Month				
	October	November	December		
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 mason</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	III	
8. Epizootic ulcerative syndrome (EUS)	0000	0000	0000	II	
9. Bacterial kidney disease	0000	0000	0000	III	
10. Red seabream iridoviral disease	-	-	-	III	
11. Enteric septicaemia of catfish	0000	0000	0000		
Non OIE-listed diseases relevant to the region					
12. Epitheliocystis	(2002)			II	
13. Grouper iridoviral disease	-	-	-	III	
14. Infection with koi herpesvirus	0000	0000	+	II	2.
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	
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	
8. Necrotising hepatopancreatitis	0000	0000	0000	II	
Non OIE-listed diseases relevant to the region					
9. Baculoviral midgut gland necrosis	0000	0000	0000	II	
UNKNOWN DISEASES OF A SERIOUS NATURE					
1. Koi mass mortality	0000	0000	0000	II	
2. Akoya oyster disease	0000	0000	0000	II	
3. Abalone viral mortality	0000	0000	0000	II	
ANY OTHER DISEASES OF IMPORTANCE					
1.					
2.					

Prepared by:

Name: Dr. Brad Chadwick

Position: Veterinary Pathologist (Fish Diseases)

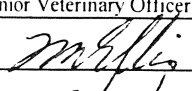
Signature: 

Date: 15 Feb 2005

Endorsed by (OIE Delegate):

Name: Dr. Trevor M. Ellis

Position: Senior Veterinary Officer

Signature: 

Date: 15/2/2005

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

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:

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

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.	One disease case caused by Nervous Necrosis Virus was identified by virus isolation and/or PCR during the three month period. Histological lesions were confirmed by immunoperoxidase in affected fish. The species involved was a form of carp.
2.	Koi Herpesvirus disease was detected for the first time in Hong Kong. A display pond open to the public contained about 150 large Koi carp. Mortalities of 2-4 fish per day continued until about half the fish had died. PCR tests were strongly positive using two distinct sets of primers followed by sequence analysis. The remaining fish were destroyed. The source of the virus was unknown as there had been no authorized addition of any new Koi for ten years.
3.	
4.	
5.	

2. New aquatic animal health regulations introduced within past six months (with effective date):