

QUARTERLY AQUATIC ANIMAL DISEASE REPORT

Country: Hong Kong SAR, China

Period: January-March 2005

Item	Disease status ^{a/}			Level of diagnosis	Epidemiological comment numbers
	Month				
DISEASES PREVALENT IN THE REGION	January	February	March		
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	
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	
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.					

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28 Apr 2005

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28 April 2005

DISEASES PRESUMED EXOTIC TO THE REGION, BUT LISTED BY THE OIE^{6/}**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	One disease case caused by Nervous Necrosis Virus was identified by virus isolation and PCR during the three month period. Histological lesions were confirmed by immunoperoxidase in affected fish. The species involved was green grouper.
2	There was one case of fish positive for RSIV by PCR, but no histological evidence of disease. The green grouper co-infected with NNV described above were the fish involved.
3	
4	
5	

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

Koi carp held at premises certified for export of ornamental fish are now being routinely tested for Koi Herpesvirus by PCR and histology as from January 1st, 2005. This follows the first case of KHV disease reported in Hong Kong in December 2004.