

AQUATIC ANIMAL DISEASE REPORT - 2022

Country/territory:	The Republic of the Union of Myanmar
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Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiologi- cal comment numbers
	Month													
DISEASES PREVALENT IN THE REGION	January	February	March	April	May	June	July	August	September	October	November	December		
FINFISH DISEASES														
OIE-listed diseases														
1. Infection with epizootic haematopoietic necrosis virus	***	***	***	***	***	***	***	***	***	***	***	***		
2. Infection with infectious haematopoietic necrosis virus	***	***	***	***	***	***	***	***	***	***	***	***		
3. Infection with spring viremia of carp virus	***	***	***	***	***	***	***	***	***	***	***	***		
4. Infection with viral haemorrhagic septicaemia virus	***	***	***	***	***	***	***	***	***	***	***	***		
5. Infection with <i>Aphanomyces invadans</i> (EUS)	***	***	***	***	***	***	***	***	***	***	***	***		
6. Infection with red sea bream iridovirus	***	***	***	***	***	***	***	***	***	***	***	***		
7. Infection with koi herpesvirus	***	***	***	***	***	***	***	***	***	***	***	***		
Non OIE-listed diseases														
8. Grouper iridoviral disease	***	***	***	***	***	***	***	***	***	***	***	***		
9. Viral encephalopathy and retinopathy	***	***	***	***	***	***	***	***	***	***	***	***		
10. Enteric septicaemia of catfish	***	***	***	***	***	***	***	***	***	***	***	***		
11. Carp Edema Virus Disease	***	***	***	***	***	***	***	***	***	***	***	***		
12. Tilapia lake virus (TiLV)	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
MOLLUSC DISEASES														
OIE-listed diseases														
1. Infection with <i>Bonamia exitiosa</i>														
2. Infection with <i>Perkinsus olseni</i>														
3. Infection with abalone herpesvirus														
4. Infection with <i>Xenohalotis californiensis</i>														
5. Infection with <i>Bonamia ostreae</i>														
Non OIE-listed diseases														
6. Infection with <i>Marteilioides chungmuensis</i>														
7. Acute viral necrosis (in scallops)														
CRUSTACEAN DISEASES														
OIE-listed diseases														
1. Infection with Taura syndrome virus	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
2. Infection with white spot syndrome virus	-	-	-	-	-	+	-	-	-	-	-	-	III	1,2,3,4
3. Infection with yellow head virus genotype 1	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
4. Infection with infectious hypodermal and haematopoietic necrosis virus	***	***	***	***	***	***	-	-	-	-	-	-		
5. Infection with infectious myonecrosis virus	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
6. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White Tail disease)	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
7. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	***	***	***	***	***	***	***	***	***	***	***	***		
8. Acute hepatopancreatic necrosis disease (AHPND)	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
9. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	***	***	***	***	***	***	***	***	***	***	***	***		
10. Infection with decapod iridescent virus 1 (DIV1)	***	***	***	***	***	***	-	-	-	-	-	-	III	1,2,3,4
Non OIE-listed diseases														
11. Hepatopancreatic Microsporidiosis caused by <i>Enterocytozoon hepatopenaei</i> (HPM-EHP)	***	***	***	***	***	***	***	***	***	***	***	***		
12. Viral covert mortality disease (VCMD) of shrimps	***	***	***	***	***	***	***	***	***	***	***	***		
13. <i>Spiroplasma eriocheiris</i> infection	***	***	***	***	***	***	***	***	***	***	***	***		
AMPHIBIAN DISEASES														
OIE-listed diseases														
1. Infection with <i>Ranavirus</i> species														
2. Infection with <i>Batrachochytrium dendrobatidis</i>														
3. Infection with <i>Batrachochytrium salamandrivorans</i>														

Prepared by:

Name:

Yi Yi Cho

Position:

Fishery Officer

24.2.2023

ANY OTHER DISEASES OF IMPORTANCE														
1														
2														

DISEASES PRESUMED EXOTIC TO THE REGION<sup>b</sup>

LISTED BY THE OIE

Finfish:

Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with *Gyrodactylus salaris* .

Molluscs:

Infection with *Marteilia refringens* ; *Perkinsus marinus* .

NOT LISTED BY THE OIE

Finfish:

Channel catfish virus disease

a/ Please use the following occurrence code:

Occurrence code and symbol	Definition	Occurrence code and symbol	Definition
Disease present +	The disease is present with clinical signs in the whole country (in domestic species or wildlife)	Disease absent -	The disease was absent in the country during the reporting period (in domestic species or wildlife).
Disease limited to one or more zones +()	The disease is present with clinical signs, and limited to one or more zones/compartments (in domestic species or wildlife)	Never reported 0000	The disease has "never been reported" (historically absent) for the whole country in domestic species and wildlife.
Infection/infestation +?	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed (in domestic species or wildlife)	No information ***	No information is available regarding the presence or the absence of this disease during the reporting period (in domestic species or wildlife).
Infection/infestation limited to one or more zones +?()	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed and limited to one or more zones/compartments (in domestic species or wildlife)		
Disease suspected ?	The presence of the disease was suspected but not confirmed (in domestic species or wildlife)		
Disease suspected but not confirmed and limited to one or more zones ?()	The presence of the disease was suspected but not confirmed and limited to one or more zones/compartments (in domestic species or wildlife)		

b/ If there is any changes on historical data, please highlight in RED

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	<b>January to March.</b> As per testing of receiving 154 samples; 34 frozen shrimp, 19 soft shell crab, 7 live Lobster, 6 live Mantis Shrimps, 23 live Crabs and 28 Others (Breaded Shrimp and Soft Shell Crabs) for export and local, 18 live (PI) <i>P.vannamei</i> , 17 live (PI) <i>M.rosenbergii</i> and 2 live Tilapia (Fingerling) for import testing WSSV, IHNV, MrNV, YHV, IMNV, AHPND, TSV and TiIV, we found that all are Negative.
2	<b>April to June.</b> As per testing of receiving 190 samples; 15 frozen shrimp, 16 soft shell crab, 19 live Lobster, 9 live Mantis Shrimps, 19 live Crabs, 59 Others ( <i>P.vannamei</i> , Breaded Shrimp and Soft Shell Crabs) and 8 Water for export and local, 26 live (PI) <i>P.vannamei</i> and 19 live (PI) <i>M.rosenbergii</i> for import testing WSSV, IHNV, MrNV, YHV, IMNV, AHPND and TSV we found that all are Negative.

3	<b>July to September.</b> As per testing of receiving 337 samples; 31 frozen shrimp, 23 soft shell crab, 39 live Lobster, 12 live Mantis Shrimps, 90 live Crabs, 59 Others ( <i>P.vannamei</i> , <i>M.rosenbergii</i> , Breaded Shrimp and Soft Shell Crabs) and 27 Water for export and local, 29 live (PI) <i>P.vannamei</i> , 24 live (PI) <i>M.rosenbergii</i> and 3 live Tilapia (Fingerling) for import testing WSSV, IHNV, MrNV, YHV, IMNV, AHPND, TSV and TiLV, we found that all are Negative.
4	<b>October to December.</b> As per testing of receiving 203 samples; 35 frozen shrimp, 17 soft shell crab, 38 live Lobster, 4 live Mantis Shrimps, 47 live Crabs and 27 Others ( <i>P.vannamei</i> , <i>P.monodon</i> , <i>M.rosenbergii</i> , Breaded Shrimp and Soft Shell Crabs) for export and local, 19 live (PI) <i>P.vannamei</i> and 16 live (PI) <i>M.rosenbergii</i> for import testing WSSV, IHNV, MrNV, YHV, IMNV, AHPND and TSV, we found that all are Negative.
5	
<b>2. New aquatic animal health regulations introduced within past six months (with effective date):</b>	