AQUATIC ANIMAL DISEASE REPORT - 2022

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

DISEASES PRESUMED EXOTIC TO THE REGION^b

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

<u>a</u>/ Please use the following occurrence code:

Occurrence code and symbol	<u>Definition</u>	Occurrence code and symbol	<u>Definition</u>
Disease present +	The disease is present with clinical signs in the whole country (in domestic species or wildlife) The disease is present with clinical signs, and limited to one	Disease absent	The disease was absent in the country during the reporting period (in domestic species or wildlife).
or more zones +()	or more zones/compartments (in domestic species or wildlife) Confirmed infestation or infection using diagnostic tests, but	Never reported 0000	The disease has "never been reported" (historically absent) for the whole country in domestic species and wildlife.
Infection/infestation +?	no clinical signs observed (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)	No information ***	No information is available regarding the presence or the absence of this disease during the reporting period (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	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 chang	es 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.	
	<u>January to March</u> . As per testing of receving 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, IHHNV, MrNV, YHV, IMNV, AHPND, TSV and TilV, we found that all are Negative.

	April to June. As per testing of receving 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, IHHNV, MrNV, YHV, IMNV, AHPND and TSV we found that all are Negative.			
3	July to September. As per testing of receving 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, IHHNV, MrNV, YHV, IMNV, AHPND, TSV and TiLV, we found that all are Negative.			
	October to December. As per testing of receving 203 samples; 35 frozen shrimp, 17 soft shell crab, 38 live Lobster, 4 live Mantis Shrimps, 47 live Crabs and 27 Others (P.vannamei, P.monodon, M.rosenbergii, Breaded Shrimp and Soft Shell Crabs) for export and local, 19 live (PI) P.vannamei and 16 live (PI) M.rosenbergii for import testing WSSV, IHHNV, MrNV, YHV, IMNV, AHPND and TSV, we found that all are Negative.			
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2. New aquatic animal health regulations introduced within past six months (with effective date):				