

**AQUATIC ANIMAL DISEASE REPORT - 2023**

Country/territory: **The Republic of the Union of Myanmar**

Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiological comment numbers
	Month													
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December		
<b>OIE-listed diseases</b>														
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	***	***	***	***	***	***	***	***	***	***	***	***		
<b>Non OIE-listed diseases</b>														
8. Grouper iridoviral disease	***	***	***	***	***	***	***	***	***	***	***	***		
9. Viral encephalopathy and retinopathy	***	***	***	***	***	***	***	***	***	***	***	***		
10. Enteric septicaemia of catfish	***	***	***	***	***	***	***	***	***	***	***	***		
11. Carp Edema Virus Disease	***	***	***	***	***	***	***	***	***	***	***	***		
12. Tilapia lake virus (TiLV)	***	***	***	***	***	***	***	***	***	***	***	***		
<b>MOLLUSC DISEASES</b>														
<b>OIE-listed diseases</b>														
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>	/	/	/	/	/	/	/	/	/	/	/	/		
<b>Non OIE-listed diseases</b>														
6. Infection with <i>Marteilioides chungmuensis</i>	/	/	/	/	/	/	/	/	/	/	/	/		
7. Acute viral necrosis (in scallops)	/	/	/	/	/	/	/	/	/	/	/	/		
<b>CRUSTACEAN DISEASES</b>														
<b>OIE-listed diseases</b>														
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	-	-	-	-	-	-	-	-	-	-	-	-	III	1,2,3,4
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
<b>Non OIE-listed diseases</b>														
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	***	***	***	***	***	***	***	***	***	***	***	***		
<b>AMPHIBIAN DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with <i>Ranavirus</i> species	/	/	/	/	/	/	/	/	/	/	/	/		
2. Infection with <i>Batrachochytrium dendrobatidis</i>	/	/	/	/	/	/	/	/	/	/	/	/		
3. Infection with <i>Batrachochytrium salamandrivorans</i>	/	/	/	/	/	/	/	/	/	/	/	/		

**Prepared by:**

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Position: **Fishery Officer**

17.1.2024

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

**I. 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 210 samples; 49 frozen shrimp, 15 soft shell crab, 27 live Lobster, 5 live Mantis Shrimps, 20 live Crabs, 10 Frozen Squid & Octopus and 30 Others (Dry prawn, Salted Jelly Fish, Sea Cucumber meat, Breaded Shrimp and Soft Shell Crabs) for export and local, 31 live (PI) <i>P.vannamei</i> and 23 live (PI) <i>M.rosenbergii</i> for import testing WSSV, IHNV, MrNV, IMNV, AHPND, TSV and DIV1 we found that all are Negative.
2	<b>April to June.</b> As per testing of receiving 147 samples; 26 frozen shrimp, 18 soft shell crab, 21 live Lobster, 5 live Mantis Shrimps, 9 live Crabs & Hard Shell Crabs, 4 Frozen Squid & Octopus and 15 Others (Dry prawn, Salted Jelly Fish, Sea Cucumber meat, Breaded Shrimp and Soft Shell Crabs) for export and local, 29 live (PI) <i>P.vannamei</i> and 20 live (PI) <i>M.rosenbergii</i> for import testing WSSV, IHNV, MrNV, IMNV, AHPND, TSV, YHV and DIV1 we found that all are Negative.
3	<b>July to September.</b> As per testing of receiving 124 samples; 38 frozen shrimp, 6 frozen <i>M.rosenbergii</i> , 14 frozen soft shell crab, 16 live Crabs, 3 Frozen Crabs, 9 Frozen (Squid, Octopus, Sea Cucumber meat) and 15 Others (Dry prawn, Breaded Shrimp and Soft Shell Crabs) for export and local, 11 live (PI) <i>P.vannamei</i> , 10 live (PI) <i>M.rosenbergii</i> and 2 live Broodstock for import testing WSSV, IHNV, MrNV, IMNV, AHPND, TSV, YHV and DIV1 we found that all are Negative.
4	<b>October to December.</b> As per testing of receiving 128 samples; 42 frozen shrimp, 7 frozen <i>M.rosenbergii</i> , 12 frozen soft shell crab, 11 live Crabs, 7 Frozen Crabs, 12 Frozen (Squid, Octopus, Sea Cucumber meat) and 8 Others (Dry prawn, Breaded Shrimp and Soft Shell Crabs) for export and local, 20 live (PI) <i>P.vannamei</i> and 9 live (PI) <i>M.rosenbergii</i> for import testing WSSV, IHNV, MrNV, IMNV, AHPND, TSV, YHV and DIV1 we found that all are Negative.
5	

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

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