

AQUATIC ANIMAL DISEASE REPORT - 2024

Country/territory: **Bangladesh**

Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiological comment numbers
	Month													
DISEASES PREVALENT IN THE REGION	January	February	March	April	May	June	July	August	September	October	November	December		
FINFISH DISEASES														
WOAH-listed diseases														
1. Infection with epizootic haematopoietic necrosis virus	0000	0000	0000											
2. Infection with infectious haematopoietic necrosis virus	0000	0000	0000											
3. Infection with spring viremia of carp virus	0000	0000	0000											
4. Infection with viral haemorrhagic septicaemia virus	0000	0000	0000											
5. Infection with <i>Aphanomyces invadans</i> (EUS)	+()	+()	+()										PCR	1
6. Infection with red sea bream iridovirus	0000	0000	0000											
7. Infection with koi herpesvirus	0000	0000	0000											
8. Infection with tilapia lake virus	0000	0000	0000											
Non WOAH-listed diseases														
9. Grouper iridoviral disease	0000	0000	0000											
10. Viral encephalopathy and retinopathy	0000	0000	0000											
11. Enteric septicemia of catfish	0000	0000	0000											
12. Carp Edema Virus Disease	0000	0000	0000											
MOLLUSC DISEASES														
WOAH-listed diseases														
1. Infection with <i>Banania exitiosa</i>	0000	0000	0000											
2. Infection with <i>Perkinsus olseni</i>	0000	0000	0000											
3. Infection with abalone herpesvirus	0000	0000	0000											
4. Infection with <i>Xenohalosis californiensis</i>	0000	0000	0000											
5. Infection with <i>Banania ostreae</i>	0000	0000	0000											
Non WOAH-listed diseases														
6. Infection with <i>Marteilioides chungmuensis</i>	0000	0000	0000											
7. Acute viral necrosis (in scallops)	0000	0000	0000											
CRUSTACEAN DISEASES														
WOAH-listed diseases														
1. Infection with Taura syndrome virus	0000	0000	0000											
2. Infection with white spot syndrome virus	-	-	-											
3. Infection with yellow head virus genotype 1	0000	0000	0000											
4. Infection with infectious hypodermal and haematopoietic necrosis virus	0000	0000	0000											
5. Infection with infectious myonecrosis virus	0000	0000	0000											
6. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White Tail disease)	0000	0000	0000											
7. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	0000	0000	0000											
8. Acute hepatopancreatic necrosis disease (AHPND)	-	-	-											
9. Infection with <i>Aphanomyces astacti</i> (Crayfish plague)	0000	0000	0000											
10. Infection with decapod iridescent virus 1 (DIV1)	0000	0000	0000											
Non WOAH-listed diseases														
11. Hepatopancreatic Microsporidiosis caused by <i>Enterocytozoon hepatopenaei</i> (HPM-EHP)	0000	0000	0000											
12. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000											
13. <i>Spiraplasmia eriocheiris</i> infection	0000	0000	0000											
AMPHIBIAN DISEASES														
WOAH-listed diseases														
1. Infection with <i>Ranavirus</i> species	0000	0000	0000											
2. Infection with <i>Batrachochytrium dendrobatidis</i>	0000	0000	0000											
3. Infection with <i>Batrachochytrium salamandrivorans</i>	0000	0000	0000											

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 Position: Assistant Director and Focal Person
 Date 23.05.2024
 Signature of Delegate

ANY OTHER DISEASES OF IMPORTANCE															
1. Infection with Streptococcus of Tilapia (<i>Oreochromis sp</i>)	-	-	+()											PCR	2
2. Infection with Aeromonas of Shing (<i>Heteropneustes fossilis</i>), Gulsha (<i>Mystus cavasius</i>) and Pangus (<i>P. hypophthalmus</i>)	+()	+()	+()											PCR	3

DISEASES PRESUMED EXOTIC TO THE REGION² LISTED BY THE WOAH
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 WOAH
Finfish: Channel catfish virus disease

a/ Please use the following occurrence code:

Occurrence code and symbol	Definition	Occurrence code and symbol	Definition
Disease present + (in domestic species or wildlife)	The disease is present with clinical signs in the whole count	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 +? (in domestic species or wildlife)	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? (in domestic species or wildlife)	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 #FD.

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	Infected species are Rohu (<i>Labe rohita</i>) and Catla (<i>Catla catla</i>) with 0-25% mortality from January to March 2024 and Infection with this EUS occurs in Mymensingh, Gazipur, Jamalpur, Netrokona, Tangail districts. <i>Aphanomyces invadans</i> with symptoms of red spots or small to large ulcerative lesions on the fish body and detected through PCR in BFRI Laboratory from January to March 2024. Control measures are taken. Surveillance activities strengthened.
2	Infection of Tilapia (<i>Oreochromis sp.</i>) with <i>Streptococcus agalactiae</i> having symptoms of loss of balance, pop eye, enlargement of liver, kidney and spleen occurred in some aquaculture establishments in Mymensingh, Jamalpur in Mymensingh Division and Gazipur, Tangail in Dhaka Division with 5-10% mortality. Pathogen is detected in March 2024 in BFRI laboratory Mymensingh. Control measures were taken.
3	Infection of Stinging catfish (<i>Heteropneustes fossilis</i>), Pangus (<i>Pangasianodon hypophthalmus</i>) and Gulsha (<i>Mystus cavsius</i>) with <i>Aeromonas sp.</i> having symptoms of red pop eye, red spot and lesion on body occurred in some ponds of Dhaka and Mymensingh Division with 5-35% mortality. Pathogen is detected in January, February, March 2024 (Infection of Gulsha in January were absent) for the mentioned species in BFRI laboratory. Control measures were taken.

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

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