

## AQUATIC ANIMAL DISEASE REPORT - 2023

Country/territory: Thailand

Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiological comment numbers
<b>DISEASES PREVALENT IN THE REGION</b>	Month													
<b>FINFISH DISEASES</b>	January	February	March	April	May	June	July	August	September	October	November	December		
<b>OIE-listed diseases</b>														
1. Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000								
2. Infection with infectious haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000								
3. Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000								
4. Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000								
5. Infection with <i>Aphanomyces invadans</i> (EUS)	-	-	-	-	-	-								
6. Infection with red sea bream iridovirus	0000	0000	0000	0000	0000	0000								
7. Infection with koi herpesvirus	-	-	-	-	-	-								
8. Infection with tilapia lake virus	-	-	-	-	-	-								
<b>Non OIE-listed diseases</b>														
9. Grouper iridoviral disease	-	-	-	-	-	-								
10. Viral encephalopathy and retinopathy	-	+?()	-	-	-	-							III	1
11. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000								
12. Carp Edema Virus Disease	0000	0000	0000	0000	0000	0000								
<b>MOLLUSC DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with <i>Bonamia exitiosa</i>	0000	0000	0000	0000	0000	0000								
2. Infection with <i>Perkinsus olseni</i>	0000	0000	0000	0000	0000	0000								
3. Infection with abalone herpesvirus	0000	0000	0000	0000	0000	0000								
4. Infection with <i>Xenohalotis californiensis</i>	0000	0000	0000	0000	0000	0000								
5. Infection with <i>Bonamia ostreae</i>	0000	0000	0000	0000	0000	0000								
<b>Non OIE-listed diseases</b>														
6. Infection with <i>Marteilioides chungmuensis</i>	0000	0000	0000	0000	0000	0000								
7. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000								
<b>CRUSTACEAN DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with Taura syndrome virus	-	-	-	-	-	-								
2. Infection with white spot syndrome virus	-	-	+?()	-	-	-							III	2
3. Infection with yellow head virus genotype 1	-	-	+?()	-	-	-							III	3
Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiological comment
<b>DISEASES PREVALENT IN THE REGION</b>	Month													

<b>CRUSTACEAN DISEASES</b>	January	February	March	April	May	June	July	August	September	October	November	December		numbers
4. Infection with infectious hypodermal and haematopoietic necrosis virus	-	-	-	-	-	+?()							III	4
5. Infection with infectious myonecrosis virus	0000	0000	0000	0000	0000	0000								
6. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White Tail disease)	-	-	-	-	-	-								
7. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	-	-	-	-	-	-								
8. Acute hepatopancreatic necrosis disease (AHPND)	+?()			+?()	+?()	+?()							III	5
9. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	0000	0000	0000	0000	0000	0000								
10. Infection with decapod iridescent virus 1 (DIV1)	0000	0000	0000	0000	0000	0000								
<b>Non OIE-listed diseases</b>														
11. Hepatopancreatic Microsporidiosis caused by <i>Enterocytozoon hepatopenaei</i> (HPM-EHP)	+?()	+?()	+?()	+?()	+?()	+?()							III	6
12. Viral covert mortality disease (VCMD) of shrimps	-	-	-	-	-	-								
13. <i>Spiroplasma eriocheiris</i> infection	0000	0000	0000	0000	0000	0000								
<b>AMPHIBIAN DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with <i>Ranavirus</i> species	-	-	+?()	-	-	-							III	7
2. Infection with <i>Batrachochytrium dendrobatidis</i>	0000	0000	0000	0000	0000	0000								
3. Infection with <i>Batrachochytrium salamandrivorans</i>	0000	0000	0000	0000	0000	0000								
<b>Prepared by:</b>														
Name: _____ Ms. Jaree Polchana _____														
Position: _____ Fisheries Biologist _____														
Date: _____ 15 August 2023 _____														
<b>ANY OTHER DISEASES OF IMPORTANCE</b>														
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:

<u>Occurrence code and symbol</u>	<u>Definition</u>	<u>Occurrence code and symbol</u>	<u>Definition</u>
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	A total of 3,540 fish samples from fish farms had been tested at PCR Laboratories of the DOF under active surveillance, 50 specimens or 1.41% recorded as PCR positive for VER. Fish farm with positive testing results is subjected to health improvement, movement control, eradication and/or farm disinfection.

2	A total of 2,790 shrimp samples from shrimp farms had been tested at PCR Laboratories of the DOF under active surveillance, 4 specimens or 0.14% recorded as PCR positive or carrying WSSV genes. Shrimp farm with positive testing results is subjected to health improvement, movement control, eradication and/or farm disinfection.
3	A total of 1,230 shrimp samples from shrimp farms had been tested at PCR Laboratories of the DOF under active surveillance, 20 specimens or 1.63% recorded as PCR positive or carrying YHV genes. Shrimp farm with positive testing results is subjected to health improvement, movement control, eradication and/or farm disinfection.
4	A total of 1,464 shrimp samples from shrimp farms had been tested at PCR Laboratories of the DOF under active surveillance, 1 specimen or 0.07% recorded as PCR positive or carrying IHNV genes. Shrimp farm with positive testing results is subjected to health improvement, movement control, eradication and/or farm disinfection.
5	A total of 2,282 shrimp samples from shrimp farms had been tested by PCR assay at the DOF's laboratories under active surveillance, 16 specimens or 0.7% recorded as PCR positive for AHPND. Shrimp farms with positive testing results have been subjected to shrimp health management control and pond improvement.
6	A total of 1,925 shrimp samples from shrimp farms had been tested by PCR assay at the DOF's laboratories under active surveillance, 193 specimens or 10.03% recorded as PCR positive for EHP. Shrimp farms with positive testing results have been subjected to shrimp health management control and pond improvement.
7	A total of 134 frog samples had been tested by virus isolation in EPC cell line at the DOF's laboratory under active surveillance. The ranavirus was confirmed using PCR technique, 67 specimens or 50% recorded as positive for Ranavirus. Frog farms with positive testing results have been subjected to health improvement, movement control, eradication and/or farm disinfection.

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