			AQ	UATIC ANI	MAL DISEA	SE REPOR	T - 2023							
Country/territory: Malaysia														
Item		Disease status/occurrence code a/b/										Level of	Epidemiologi-	
DISEASES PREVALENT IN THE REGION		Month												cal comment
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	diagnosis	numbers
OIE-listed diseases														
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
<ol><li>Infection with infectious haematopoietic necrosis virus</li></ol>	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	I,II,III	
Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with Aphanomyces invadans (EUS)	-	-	-	-	-	-	-	-	-	-	-	-	I	
Infection with red sea bream iridovirus	-	-	-	-	-	-	-	-	-	-	-	-	I,III	
7. Infection with koi herpesvirus	-	-	-	-	-	-	-	-	-	-	-	-	I,III	1
Non OIE-listed diseases														
Grouper iridoviral disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Viral encephalopathy and retinopathy	-	-	-?()	-	-	-	-	-	-	-	-	-	III	2
10.Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
11. Carp Edema Virus Disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
12. Tilapia lake virus (TiLV)	-	-	-	-	-	-	-	-	-	-	-	-	III	3
MOLLUSC DISEASES														
OIE-listed diseases		ĺ							ĺ	ĺ		ĺ		1
1. Infection with Bonamia exitiosa	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Infection with Perkinsus olseni	-	-	-	-	-	-	-	-	-	-	-	-		4
<ol> <li>Infection with abalone herpesvirus</li> </ol>	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with Bonamia ostreae	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non OIE-listed diseases														
6. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
7. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
CRUSTACEAN DISEASES														
OIE-listed diseases														
Infection with Taura syndrome virus	-	-	-	-	-	-	-	-	-	-	-	-	IJJI	
Infection with white spot syndrome virus	-	+()	+()	+()	+()	-	-	-	-	-	-	-	I,III	5
3. Infection with yellow head virus genotype 1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	I,III	
Infection with infectious hypodermal and haematopoietic necrosis v	irus -	-	+?()	-	-	-	-	-	-	-	-	-	III	6
Infection with infectious myonecrosis virus	-	-	-	-	-	+()	-	-	-	-	-	-	III	7
6. Infection with Macrobrachium rosenbergii nodavirus (White Tail d	isease) _		_					_	_	_		_		
7. Infection with Hepatobacter penaei (Necrotising hepatopancreatitis		0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	, 0000	0000	0000		0000	0000	0000	0000	0000	0000	0000	0000		
8. Acute hepatopancreatic necrosis disease (AHPND)	-			+?()									III	8
9. Infection with Aphanomyces astaci (Crayfish plague)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non OIE-listed diseases														
<ol> <li>Hepatopnacreatic Microsporidiosis caused by Enterocytozoon hepatopenaei (HPM-EHP)</li> </ol>	-	+?()	+?()	-	+?()	-	-	-	-	-	-	-	III	9
11. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
12. Spiroplasma eriocheiris infection	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
13. Decapod iridescent virus 1 (DIV-1)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
AMPHIBIAN DISEASES		ļ				1	1		ļ		1			1
OIE-listed diseases		l				1	1		l	ļ	1	ļ		
Infection with Ranavirus species	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with Batrachochytrium salamandriyorans	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		

ANY OTHER DISEASES OF IMPORTANCE

DISEASES PRESUMED EXOTIC TO THE REGION LISTED BY THE OHE FIRST Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with Oppodacypius salaris.

Molluses: Infection with Martellia refringens; Perkinsus marinus.

Prepared by:
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Position: SENIOR DIRECTOR, FISHERIES BIOSECURITY DIVISION

NOT LISTED BY THE OIE
Finfish: Channel catfish virus disease

Date: 5 FEBRUARY 2024

## 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 Percentive/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.	
Comment No.	Koi herpesvirus disease (KHV)
1	No positive case was detected (PCR) during DoF active surveillance programme.
	Koi herpesvirus is known to occur previously in the states of Perak (last reported 2022).
2	Viral encephalopathy and retinopathy (VER)/ (VNN)  1) Reported from DOF Active Surveillance. 2) Species affected: Lates calcartfer 3) Disease signs: 4) Pathogen: Viral Nervous Necrosis virus 5) Mortality rate: 80 percent 6) Economic loss: RM8,000,00 7) Names of infected areas: Terengganu 8) Preventive/control measures taken: Full eradication and fallowing carried out to remove all disease carrier. Ponds disinfected with chlorine. 9) Laboratory confirmation: Kedah Fisheries Biosecurity Centre. 10) Publications: None VNN is known to occur previously in the states of Terengganu (last reported 2021). The disease is known to occur previously in the state of Perak (2015) and Kelantan (May 2015).
3	Tilapia lake virus (TiLV)  No positive case was detected (PCR) suring DoF active surveillance programme  The disease is known to have occurred previously in Kedah (June 2017), Perlis (July 2017), Sarawak (July 2017), Negeri Sembilan (October 2017), Kedah and Sarawak (March 2018), and Terengganu (July 2018).
4	Infection with Perkinsus olseni No positive case was detected (PCR) during DoF active surveillance programme. Infection with Perkinsus olseni was suspected to occur in 2016, but not confirmed in a zone.
5	Infection with white spot syndrome virus  1) Reported from DOF Active Surveillance. 2) Species affected: Penacus wannamei and Penacus monodon.  3) Disease signs: No significant sign 4) Pathogen: White spot syndrome virus 5) Mortality rate: Unknown 6) Economic loss: Unknown 7) Names of infected areas: Johor, Pahang and Terengganu 8) Preventive/control measures taken: Undergoes break cycle by early harvest, drying of ponds, cleaning and disinfection of infected ponds and farming tools, farmer was advised to implement biosecurity measures and stocking with WSSV negative seeds in the next cycle; 9) Laboratory confirmation: Kedah Fisheries Biosecurity Centre, Johor Fisheries Biosecurity Centre 10) Publications: None
6	Infection with infectious hypodermal and haematopoietic necrosis virus (IHHNV)  1) Reported from DOF Active Surveillance. 2) Species affected: Penaeus monodon. 3) Disease signs: No significant sign 4) Pathogen: infectious hypodermal and haematopoietic necrosis virus 5) Mortality rate: Unknown 6) Economic loss: Unknown 7) Names of infected areas: Perak 8) Preventive/control measures taken: Undergoes break cycle by early harvest, drying of ponds, cleaning and disinfection of infected ponds and farming tools, farmer was advised to implement biosecurity measures and stocking with IHHNV negative seeds in the next cycle; 9) Laboratory confirmation: Kedah Fisheries Biosecurity Centre; 10) Publications: None  IHHNV was known to occur previously in several states (last reported 2022).
7	Infection with Infectious myonecrosis virus (IMNV)  1) Reported from DOF Active Surveillance. 2) Species affected: Penaces monodon  3) Disease signs: Whitish necrotic in distal abdominal segments and tail fan. 4) Pathogen: Infectious myonecrosis virus 5) Mortality rate: Less than 5% 6) Economic loss: Unreported 7) Names of infected areas: Selangor 8) Preventive/control measures taken: Undergoes break cycle by early harvest, drying of ponds, cleaning, and disinfection of infected ponds and ming tools, the farmer was advised to implement biosecurity measures and stocking with IMNV-negative seeds in the next cycle; 9) Laboratory confirmation: Selangor Fisheries Biosecurity Center; 10) Publications: None  IMNV was known to occur previously in several states (last reported in 2022).
8	Note the Reparameter and the Cross subsease (XTH ND)  1) Reported DOF Active Surveillance.  2) Species affected: Penaeus vannamei.  3) Disease signs: No significant sign  4) Pathogen: Vibrio parahaemolyticus (Plasmid)  5) Mortality rate: Unreported;  6) Economic loss: Unreported;  7) Names of infected areas: Johor;  8) Preventive/control measures taken: Undergoes break cycle by total harvest, drying of ponds, cleaning and disinfection of infected ponds and famring tools, farmer was advised to implement biosecurity measures and stocking with AHPND negative seeds in the next cropping;  9) Laboratory confirmation: Johor Fisheries Biosecurity Center;  10) Publications: None
9 2. New aquatic anin	HEPATOPARCEAST TO CONTROL RESIDENCE AND A CONTROL RESI