

WORLD ORGANISATION FOR ANIMAL HEALTH (OIE)

QUARTERLY AQUATIC ANIMAL DISEASE REPORT

April - June 2015

(Asian and Pacific Region)



PUBLISHED BY THE OIE REGIONAL REPRESENTATION FOR ASIA AND THE PACIFIC ©OIE, 2015

CONTENTS

1.	Reports received by the OIE Representation in Tokyo	Page
	Australia	3
	Bhutan	7
	Chinese Taipei	9
	Hong Kong SAR	11
	India	13
	Iran	15
	Japan	19
	Korea (January – March 2015)	23
	Korea (April – June 2015)	25
	Malaysia (January – June 2015)	27
	Maldives	29
	Mongol	31
	Myanmar	33
	New Caledonia	35
	New Zealand	37
	Phillipines (January – March 2015)	41
	Philipines (April – June 2015).	45
	Singapore	49
	Thailand	53
	Vanuatu	55
	Vietnam	57
2.	List of National Coordinators	59

IAL DISEASE REPORT - 20	ıs	
Period: April-Ju	ne 2015	
Disease status a'		Epidemiologi
Month	Level of	cal commen
April May June	diagnosis	numbers
-(2012) -(2012) -(2012)	1
0000 0000 0000		
0000 0000 0000		
0000 0000 0000	,	
-(2014) -(2014) -(2014		2
0000 0000 0000		
0000 0000 0000		
0000 0000 0000		
-(2015) + -(2015)	Ш	3
-(2014) -(2014) -(2014)		4
0000 0000 0000		
-(2015) -(2015) -(2015)		5
-(2011) -(2011) -(2011)		6
0000 0000 0000		
0000 0000 0000		
*** . *** ***		
0000 0000 0000		
0000 0000 0000		
0000 0000 0000		
-(2014) -(2014) -(2014)		7
0000 0000 0000		
-(2008) -(2008) '-(2008)		8
0000 0000 0000		
		,
0000 0000 0000		
0000 0000 0000		
-(2008) -(2008) -(2008)		9
-(2013) -(2013) -(2013)		10

(continued	on	page	2)
------------	----	------	----

	Pre	pared	by:
--	-----	-------	-----

Name: Brett Herbert

Position: Focal point

Signature: Date:

4 Sep 2015

Submitted by (OIE Delegate):

Name:

Dr Mark Schipp

Position:

Australian Chief Veterinary Officer

Signature:

Date:

DISEASES PRESUMED EXOTIC TO THE REGION $^{\mathrm{b}}$

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluses: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please us	e the following symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	宋 章承	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

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	Epizootic haematopoletic necrosis was not reported this period despite passive surveillance in Victoria (last reported 2012), the Australian Capital Territory (last reported 2011), New South Wales (last reported 2009) and South Australia (last reported 1992). Passive surveillance and never reported in the Northern Territory, Queensland, Tasmania and Western Australia.
2	Infection with Aphanomyces invadans (EUS) is known to have occurred previously in Queensland (last reported 2014), Western Australia (last reported 2013), New South Wales (last reported 2012), the Northern Territory (last reported 2012), Victoria (last reported 2012), and South Australia (last reported 2008). Passive surveillance and never reported in Tasmania. No information available this period in the Australian Capital Territory.
3	Viral encephalopathy and retinopathy 1. Reported in Queensland in May, passive surveillance; 2. Species affected – juvenile glant grouper (Epinephelus lanceolatus); 3. Clinical signs – not feeding, lethargy and anorexia; 4. Pathogen – Betanodovirus; 5. Mortality rate – minimal; 6. Economic loss – N/A; 7. Geographic extent – N/A; 8. Containment measures – not applicable; 9. Laboratory confirmation – histopathology and immunohistochemistry test; 10. Publications – none. Viral encephalopathy and retinopathy is known to have occurred previously in the Northern Territory (last reported 2013), Western Australia (last reported 2013), New South Wales (last reported 2010), South Australia (last reported 2010) and Tasmania (last reported 2000). Passive surveillance and never reported in Victoria. No information available this period in the Australia Territory.
4	Enteric septicaemia of catfish E. ictaluri has been reported from clinically normal fish from a single river in Queensland (October 2014). This is the only occurrence of E. ictaluri in wild fish populations in Australia. Active surveillance throughout Northern Australia has found no evidence of E. ictaluri in any other wild fish populations. E. ictaluri has been detected previously in association with imported ornamental fish including: Northern Territory in a closed aquarium (last reported 2011), and in PC2 containment facilities in Tasmania (last reported 2001) and Queensland (last reported 2008). Passive surveillance and never reported in New South Wales, South Australia, Victoria or Western Australia. No information available this period in the Australian Capital Territory.
5	Infection with <i>Perkinsus olseni</i> was not reported this period despite passive surveillance in Victoria (last reported May 2015), Queensland (last reported 2014), South Australia (last reported 2013), New South Wales (last reported 2005) and Western Australia (last reported 2003). Passive surveillance and never reported in the Northern Territory, and Tasmania. No information available for the Australian Capital Territory (no marine water responsibility).
6	Infection with abalone herpesvirus (abalone viral ganglioneuritis) was not reported this period despite targeted surveillance in Tasmania (last reported 2011) and passive surveillance in New South Wales (last reported 2011 and eradicated following detection in contained commercial live-holding facilities) and Victoria (last reported 2010). Passive surveillance and never reported in the Northern Territory, Queensland, South Australia and Western Australia. No information available this period in the Australian Capital Territory (no marine water responsibility).

7	Infectious hypodermal and haematopoietic necrosis virus was not reported this period but is known to have occurred previously in Queensland (last reported 2014) and the Northern Territory (last reported 2003). Passive surveillance and never reported in New South Wales, South Australia, Victoria and Western Australia. No information available this period in the Australian Capital Territory (no marine water responsibility) and Tasmania (susceptible species not present).
8	White tail disease was not reported this period despite passive surveillance in Queensland (last reported 2008). Passive surveillance and never reported from the Australian Capital Territory, New South Wales, the Northern Territory, South Australia, Victoria and Western Australia. No information available this period in Tasmania (susceptible species not present).
9	Infection with ranavirus was not reported this period despite passive surveillance in the Northern Territory (last reported 2008, prior to official reporting for ranavirus). Suspected but not confirmed through passive surveillance in Queensland. Passive surveillance and never reported in Tasmania. No information available this period in the Australian Capital Territory, New South Wales, South Australia, Victoria and Western Australia.
10	Infection with Batrachochytrium dendrobatidis was not reported this period despite passive surveillance in Tasmania (last reported 2013), Victoria (last reported 2011) and Western Australia (last reported 2008). Suspected but not confirmed through passive surveillance in Queensland. No information available this period in the Australian Capital Territory, New South Wales, the Northern Territory and South Australia.

^{2.} New aquatic animal health regulations introduced within past six months (with effective date): The Australian Aquatic Veterinary Emergency Plan (AQUAVETPLAN) disease strategy manuals for viral haemorrhagic septicaemia (January) and Ostreid herpesvirus-1 microvariant (April), and the revised Enterprise manual (May) were published on the Department of Agriculture website in 2015 (http://www.agriculture.gov.au/aquavetplan).

• .

QUARTERLY AQUATIC ANIMAL DISEASE REPORT -				015		
Country: BHUTAN		Period:		Q2	10000000000000000000000000000000000000	
Item	Disease status a/			Levelof	Epidemiologi-	
DISEASES PREVALENT IN THE REGION		Month	Vity of the	Level of diagnosis	cal comment	
FINFISH DISEASES				diagnosis	numbers	
OIE-listed diseases		in the same	Standing.	September 1	CAN FARE	
Epizootic haematopoietic necrosis		3	***	AND TO		
2. Infectious haematopoietic necrosis	***	***	***		Manage Manager	
3. Spring viraemia of carp (SVC)	0000	0000	0000			
4. Viral haemorrhagic septicaemia (VHS)	***	***	***	F AWS		
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000		West Trans	
6. Red seabream iridoviral disease (RSID)	Not	Not	Not		The latest	
7. Koi herpesvirus disease (KHV)	0000	0000	0000		William Colonia	
Non OIE-listed diseases		O. Parameter	Late 190			
8. Grouper iridoviral disease	Not	Not	Not	DIS 21/EQUE	ELECTION OF	
9. Viral encephalopathy and retinopathy	Not	Not	Not	W 1075 Let 1 12		
10.Enteric septicaemia of catfish	0000	0000	0000			
MOLLUSC DISEASES	STATE OF THE PERSON LEVEL AND ADDRESS OF THE PERSON LEVEL AND					
OIE-listed diseases						
1. Infection with Bonamia exitiosa	***	***	***	9/11-3	A SECTION AND ADDRESS OF	
2. Infection with Perkinsus olseni	***	***	***	A STATE OF THE PARTY OF THE PAR	N. DALEMENT	
Infection with abalone herpesvirus	***	400	484	The Others		
4. Infection with Xenohaliotis californiensis	***	***	***		CONTRACTOR OF STREET	
Non OIE-listed diseases			-			
5. Infection with Marteilioides chungmuensis	Not	Not	Not	ALC: ALC: COLUMN	AND SERVICE	
6. Acute viral necrosis (in scallops)	***	***	***	PART STATE		
CRUSTACEAN DISEASES	and of the Lange				The same of the sa	
OIE-listed diseases						
Taura syndrome (TS)	90 May 12 Mg	The Control of the Control		A STREET, STRE	SUDDEN STATES	
2. White spot disease (WSD)	Not	Not	Not			
3. Infection with yellow head virus (YHV)	Not	Not	Not	PRESIDENCE OF THE PROPERTY OF	DAZONUBISM	
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	and the same of the same		A COUNTY OF THE	SECTION SECTION		
Infectious myonecrosis (IMN)	Not	Not	Not	Galla Maria		
6. White tail disease (MrNV)	Not	Not	Not			
7. Necrotising hepatopancreatitis (NHP)	Not	Not	Not	The same of the		
Non OIE-listed diseases	1101	1101	1101		MANAGEMENT OF THE PARTY OF THE	
8. Monodon slow growth syndrome	Not	Not	Not	Stewart Consta		
Acute hepatopancreatic necrosis disease (AHPND)	Not	Not	Not	201350000	192 WEEK TO THE	
AMPHIBIAN DISEASES	1501	ANDRE	1,000	The Control of the least	THE RESIDENCE OF THE PARTY OF T	
OIE-listed diseases						
1. Infection with Ranavirus	***	***	***	ACTION NAMED IN	William Charles	
2. Infection with Batrachochytrium dendrobatidis	***	***	***			
ANY OTHER DISEASES OF IMPORTANCE	The second second					
1. Tail rot and fin rot	76 C 35 4 4 C 76	- CONT.	+ 100	Storate Name of	CONTRACTOR OF THE PARTY OF THE	
2 Market and Laboratory and American American	AL DESCRIPTION		TIP STATE OF			
*listed as EMERGING DISEASE; (continued on page 2)	50 mm				and the second s	
Prepared by:	Submitted by	(OIE Delega	ite).		COLUMN TO	
Name: Namgay Dorji	Name:	(OIL Delega		and the second		
			- market 1000	A STATE OF THE PARTY OF THE PAR		
Position: National Focal Point for Aquatic Animal (Bhutan)	Position: _			Service Contract		
Signature: DOMASA6	Signature:			THE PARTY OF THE P		
Date: 8 September, 2015	Date:			THE REAL PROPERTY.		
d September, 2015	Date.	TO STORY OF THE PARTY OF THE PA	and the second	A THE STREET	THE PROPERTY.	

DISEASES PRESUMED EXOTIC TO THE REGION

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 Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please us	te the following symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
+()	Occurrence limited to certain zones		Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

1/ Listed by OIE as "under study"

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	Species affected: Catla, rohu and mrigal; Prevention control measures taken: Dip/Bath treatment in Potassium permangnate/Liming.
2	
3	
4	
5	

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

July 1

Item	1	Disease status	a/	1	
DISEASES PREVALENT IN THE REGION	<u> </u>	Month		Level of	Epidemiologic
FINFISH DISEASES	Арт.	May.	Jun.	diagnosis	comment numbers
OIE-listed diseases	STATE OF THE STATE	- A A SEA CONTROL CONTROL CONTROL			
1. Epizootic haematopoietic necrosis	***	***	***		
2. Infectious haematopoietic necrosis	***	***	***	14 (40) 35 (a)	
3. Spring viraemia of carp (SVC)	***	***	***		
4. Viral haemorrhagic septicaemia (VHS)	***	***	***		
5. Infection with Aphanomyces invadans (EUS)	- 1	- 171	- 15		
6. Red seabream iridoviral disease (RSID)	4 + 1	-	4	LDCCs	a and and
7. Koi herpesvirus disease (KHV)	+	- 12.4	***************************************	LDCCs	2
Non OIE-listed diseases					1
8. Grouper iridoviral disease	- + + + + + + + + + + + + + + + + + + +	+ + + +		LDCCs *	3
9. Viral encephalopathy and retinopathy		(±, 4)	+6%	LDCCs	4
10.Enteric septicaemia of catfish	***	***	***		
MOLLUSC DISEASES	1000			5 C. S.	
OIE-listed diseases				<u> </u>	-
1. Infection with Bonamia exitiosa	***	. ***	***		1500000
2. Infection with Perkinsus olseni	***	***	***		
3. Infection with abalone herpesvirus			2.0		
4. Infection with Xenohaliotis californiensis	***	***	***		
Non OIE-listed diseases					ESS DE RETOFILE NESERODAS
5. Infection with Marteilioides chungmuensis	***	***:*:	***		
6. Acute viral necrosis (in scallops)	***	***	+**		
CRUSTACEAN DISEASES				ignical Version 777	
OIE-listed diseases	·			 	
1. Taura syndrome (TS)					
2. White spot disease (WSD)	-	10 m = 1	+	LDCCs	. 5
3. Infection with yellow head virus (YHV)	***	***	###	LLCCS	. ر
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	-	A second			
5. Infectious myonecrosis (IMN)	***	***	***		
6. White tail disease (MrNV)	Specific 198				
7. Necrotising hepatopancreatitis (NHP)	***	***	***		
Non OIE-listed diseases					
	****	444			
3. Monodon slow growth syndrome	10.77	7.77			
AMPHIBIAN DISEASES		- 4	-		
OIE-listed diseases					
. Infection with Ranavirus		-3.5	400		
2. Infection with Batrachochytrium dendrobatidis	V ***	***	***		
ANY OTHER DISEASES OF IMPORTANCE					
listed as EMERGING DISEASE; (continued on page 2)					
repared by:	Submitted b	y (OIE Dele	gate):		
lame: Yan-Ting Zhan osition: Specialist ignature: Graph Ping Line For	Name:Tai-H	With the Designation of the Company			

DISEASES PRESUMED EXOTIC TO THE REGION^b

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluses: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please use	the following symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more	(*******)	Year of last occurrence
	zones of the country, but no clinical disease	(year)	nmediately, because the region is considered

of If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

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	1. Kaohsiung City, Pingtung County. 4 outbreak reports from 3 farms. 2. Date: (1) Apr 20; (2) Apr 29; (3) Jun 8; (4) Jun 26. 3. Species: (1), (3) Rachycentron canadum; (2) Epinephelus lanceolatus; (4) Epinephelus coioides. 4. Mortality rate: low. 5. Total number of death: (1)0/100800, (2)0/1000, (3)0/100800, (4) 0/100000.
2	1. Yunlin County, Pingtung County. 2 outbreak reports from 2 farms. 2. Date: (1) Apr 20; (2) Apr 24. 3. Species: (1), (2) Cryprinus carpiod. 4. Mortality rate: low. 5. Total number of death: (1)0/641, (2) 0/10000.
3	1.Penghu County, 2 outbreak reports from 1 farms. 2.Date: (1) Apr 20; (2) May 13. 3.Species: (1), (2) Cichlasoma managuense. 4.Mortality rate: low. 5.Total number of death: (1)1/20000, (2) 1/10000
4	1.Kaohsiung City, Pingtung County.7 outbreak reports from 7 farms. 2.Date: (1), (2), (3) May 7; (4) May 12; (5) May 14; (6) Jun 1; (7) Jun 26. 3.Species: (1), (2), (4), (6), (7) Epinephelus coioides; (3) <i>Micropterus salmoides</i> ; (5) <i>Lates calcarifer</i> . 4.Mortality rate: low to medium 5.Total number of death: (1)50/35000, (2)200/5000, (3)0/20000, (4) 7800/20000; (5)0/20000; (6) 0/10000; (7)0/100000.
5	1. Pingtung County. 2 outbreak reports from 2 farms. 2. Date: (1) Jun 13; (2) Jun 30. 3. Species: (1), (2) Caridina serrata var, red. 4. Mortality rate; low 5. Total number of death: (1)0/10000, (2)0/105000.

^{1/} Listed by OIE as "under study"

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

Country:	Hong Kong SAR, China	Period:	April - June 2015
Country:	Hong Kong SAR, China	renou.	April - Julie 2015

			a/	Γ	Epidemiological
Item	Disease status a/ SES PREVALENT IN THE REGION Month			Level of	comment
DISEASES PREVALENT IN THE REGION			June	diagnosis	numbers
FINFISH DISEASES	April	May	June		numbers
OIE-listed diseases	0000	0000	0000	II	
Epizootic haematopoietic necrosis	0000			II	
2. Infectious haematopoietic necrosis	0000	0000	0000		
3. Spring viraemia of carp (SVC)	0000	0000	0000	III	
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000	III	
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000	III	
6. Red seabream iridoviral disease (RSID)	-			III	
7. Koi herpesvirus disease (KHV)	-		-	III	
Non OIE-listed diseases					
8. Grouper iridoviral disease	-	-		III	
9. Viral encephalopathy and retinopathy	-	-		III	
10.Enteric septicaemia of catfish	0000	0000	0000	II	
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	0000	0000	0000	II	
2. Infection with Perkinsus olseni	0000	0000	0000	II	
3. Infection with abalone herpesvirus	0000	0000	0000	II	
4. Infection with Xenohaliotis californiensis	0000	0000	0000	II	
5. Infection with ostereid herpesvirus*	***	***	***		
Non OIE-listed diseases					
6. Infection with Marteilioides chungmuensis	0000	0000	0000	II	
7. Acute viral necrosis (in scallops)	0000	0000	0000	II	
CRUSTACEAN DISEASES					
OIE-listed diseases					
Taura syndrome (TS)	0000	0000	0000	III	
2. White spot disease (WSD)	-			III	
3. Yellowhead disease (YHD)	0000	0000	0000	III	
Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000	II	
5. Infectious myonecrosis (IMN)	0000	0000	0000	II	
6. White tail disease (MrNV)	0000	0000	0000	II	
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	II	
Non OIE-listed diseases	0000	0000	3300	 	
8. Monodon slow growth syndrome	0000	0000	0000	l II	
Nondan stow growth syndrome Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	II	<u> </u>
The state of the s	. 0000	0000		 	
OIE-listed diseases		-	1	 	
1. Infection with Ranavirus	0000	0000	0000	II	
Infection with Ranavirus Infection with Batrachochytrium dendrobatidis	0000	0000	0000	II	
	0000	0000	0000	 "	
ANY OTHER DISEASES OF IMPORTANCE		 .	 		
		 	+	 	
		<u> </u>	<u> </u>		<u> </u>

^{*}listed as EMERGING DISEASE; (continued on page 2)

Prepared by:		Submitted by (OIE Delegate):			
Name:	Dr Geraldine LUK	Name:	Dr Thomas SIT		
Position:	Senoir Veterinary Officer (Veterinary Laboratory)	Position:	Chief Veterinary Officer / Assistant Director		
Signature:	\mathcal{A}	Signature:			
Date:	119/2015	_Date:	23 SEP 2015		

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;							
Molluses: Ir							
Crustacean	s: Crayfish plague (Aphanomyces astaci).		*				
NOT LIST	ED BY THE OIE						
Finfish: Cha	annel catfish virus disease						
a/ Please us	e the following symbols:						
+	Disease reported or known to be present	?()	Presence of the disease suspected but not				
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone				
	but no clinical diseases	***	No information available				
?	Suspected by reporting officer but presence not confirmed	0000	Never reported				
+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)				
+?() Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease Year of last occurrence							
	s suspicion or confirmation of any of these diseases, they mu	ist be reported	immediately, because the region is considered				
free of the	ese diseases						
1/ Listed by	OIE as "under study"						

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.)

as much as pos	
Comment N	
1	
2	
3	
4	
5	

Country:

INDIA

Period:

April-June, 2015

Item	Disease status ^{2/} ASES PREVALENT IN THE REGION Month			Level of diagnosis	Epidemiologi- cal comment
DISEASES PREVALENT IN THE REGION					
FINFISH DISEASES	April	May	June	diugilosis	numbers
OIE-listed diseases	,				
Epizootic haematopoietic necrosis disease	0000	0000	0000		
2. Infectious haematopoietic necrosis	0000	0000	0000		
3. Spring viraemia of carp (SVC)	0000	0000	0000		
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000		
5. Infection with Aphanomyces invadans (EUS)	-	-			
6. Red seabream iridoviral disease (RSID)	0000	0000	0000		
7. Koi herpesvirus disease (KHV)	0000	0000	0000		
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	-	-	_		
10.Enteric septicaemia of catfish	0000	0000	0000		
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	0000	0000	0000		
2. Infection with <i>Perkinsus olseni</i>	+	-	-		1
3. Infection with abalone herpesvirus	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	0000	0000	0000		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	0000	0000	0000		
6. Acute viral necrosis (in scallops)	0000	0000	0000		
CRUSTACEAN DISEASES					
OIE-listed diseases					
1. Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)	+()	+()	+()	Ш	2
3. Infection with Yellow head virus (YHV)	***	***	***		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	+()	-	-	Ш	3
5. Infectious myonecrosis (IMN)	0000	0000	0000		
6. White tail disease (MrNV)	-	-	-		
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000		
8. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000		
Non OIE-listed diseases					
9. Monodon slow growth syndrome	-	_	-		
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	0000	0000	0000		
ANY OTHER DISEASES OF IMPORTANCE					
1					
2 *listed as EMERGING DISEASE; (continued on page 2)		<u> </u>	<u> </u>		

Prepared by (National Focal Pointfor Aquatic Animals):	Submitted by (OIE Delegate):		
Name: Aditya Kumar Joshi	Name: Ashok Kumar Angurana		
Position: Joint Secretary (Fisheries)	Position: Secretary (ADF)		
Signature:	Signature:		
Date: /S September, 2015	Date: 15 September, 2015		

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 salaries.

Molluscs: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

-	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative	agent	confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
·()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence
/ TE (1		. 1	. 1

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

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.	
l	Infection with Perkinsus olseni was observed in farmed Perna viridis in Kasaragod District of Kerala. P. olseni was also detected in Paphia malabarica in Kasaragod District of Kerala.
2	WSSV was detected in <i>Litopenaeus vannamei</i> from Nellore, Guntur, Krishna, East Godavari and West Godavari districts in Andhra Pradesh; East Medinapur, North 24- and South 24 Pargana districts of West Bengal; Balasore and Bhadrak districts of Odisha; Kanchipuram, Thanjavur, Cuddalore, Villupuram, Ramnad, Pudukkottai and Nagapattinam districts of Tamil Nadu; Uttar Kannada and Udipi districts of Karnataka; Raigad and Palghar districts of Maharashtra; Navsari district of Gujarat, and in <i>Penaeus monodon</i> from Kannur and Thrissur districts of Kerala; Balasore and Bhadrak districts of Odisha; North and South Goa; Uttar Kannada and Udipi districts of Karnataka; East Medinipur, North 24- and South 24 Paraganas districts of West Bengal on basis of level III diagnosis.
3	IHHNV was reported from <i>Penaeus monodon</i> in Uttar Kannada district of Karnataka.
4	
5.	

^{1/} Listed by OIE as "under study"

^{*} The Prevention and Control of Infectious and Contagious Diseases in Animals Act, 2009 has been suitably amended to cover aquatic animal diseases vide the Government of India Notifications No. S.O. 995(E) and No. S.O. 996(E) dated 1st April, 2014.

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

Country: LR:IRAN		Period:		April-June	
Item		Disease status	a)		Epidemiologi-
DISEASES PREVALENT IN THE REGION		Month	-	Level of	cal comment
FINFISH DISEASES	April 1	May	June	diagnosis	numbers
OIE-listed diseases	2 x 2 2 2 - 1 x 2 2 3 2 2 2 2	interpretation of the control of the	ANNESSES E 6.214345		
1. Epizoutic haematopoletic necrosis	0000	0000	0000		
2. Infectious haematopoletic necrosis	11.0		+	3 4 4	i i i i i
3. Spring viraemia of carp (SVC)	70886210008	100000000000000000000000000000000000000			11 12 11 11 11 11 11
4. Viral haemorrhagic septicaemia (VHS)	14:4:4	411.10	14 m2 m	3	200
5. Infection with Aphanomyces invadans (EIJS)	0000	0000	0000		
6. Red scabream iridoviral disease (RSID)	0000	0000	0000		
7. Koi herpesvirus disease (KHV)	0000	0000	0000	1 30 3 3 3	
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	0,000	0000	0000	Sallen	oranialist.
10.Enteric septicaemia of catfish	(() () ()	400	***		1116-1516-151
MOLLUSC DISEASES					
OLE-listed diseases					
1. Infection with Bonomia exitiosa	0000	apoo	0000	o a a a a	
2. Infection with Perkinsus alseni	0000	0000	0000	1111111111111	
3. Infection with abatone herpesvirus	0000	0000	.0000		
4. Infection with Xenohaliotis californiensis	0000	C000	0000	H&HUM	a de casa de casa.
5. Infection with ostereid herpesvirus*	0000	0000	0,000 4	13400	
Non OIE-listed diseases					,
6. Infection with Marteilioides changmaensis	O))CO	0000	00000		
7. Acute viral necrosis (in scallops)	.0000	0000	0000	541574.44-115705A	San de la companya d
CRUSTACEAN DISEASES					
OTE-listed diseases	Ì				
1. Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)	44	4.1	153.355	3.3.3	3 3 15, 25.
3. Yellowhead disease (YHD)	0000	10000	110000	ikilikilikili	
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000	阿斯明· 亚亚	
5. Infectious myonecrosis (IMN)	,0000	0000	0000		Tarifation (Table)
6. White tail disease (MrNV)		444	***		
7. Necrotising hepatopanerestitis (NHP)	3,0000, 3,	0,000	(0000)	机铸制熔制	Haraid Sa
Non OIE-listed diseases					
8. Monodon slow growth syndrome	988	***	≯ •x		
9. Acme hepatopenereatic necrosis disease (AHPND)	10	A N			
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	188	484	944		
2. Infection with Batrachachytrium dendrobatidis			***		
ANY OTHER DISEASES OF IMPORTANCE	NASSOS 45 000 8580	157623888886388	201000000000000000000000000000000000000	lette have en	
	11111111111111111111111111111111111111			38 500 018 500 500 33 57 62 58 53 58 50	
2) Principal P					

^{*}listed as EMERGING DISEASE; (continued on page 2)

Prepared by:	Submitted by (OIE Delegate):
Name: Dr.Kazem Abdi	Name: Dr.Mchdi Khalaj
Position: OIE&NACA Focal Point	Position: Head of LV.O.
Signature: —— Dr.Kazem Abdi	Signature: Dr.Mehdi Khalaj
Date: \$\\ 15/09/2015 \rightarrow\$	Dute 15/09/2015

DISEASES PRESUMED EXOTIC TO THE REGION

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pascreas discase virus;

Infection with Gyrodactylus salaris.

Molluses: Infection with Banamia astreae; Martellia refringers; Perkinsus marinus.

Crustaceaus: Crayfish plague (Aphanamyves astaci).

NOT LISTED BY THE OIL

Finfish: Channel catfish virus disease

116852 115	e the following symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+7	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	966	No information available
?	Suspected by reporting officer but presence not continued	0000	Never reported
()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b) If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

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-(yped); 5) Mortality rate (high/law; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 3) 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 gossible.)

Comment No.	
1	IHN was reported in two provinces, one propagation center in Chaharmahal&Bakhtiari and another propagation center in Khozestan. 1 – The Origin of the disease still remains unknown, the case is under investigation 2 – The Affected species was Oncorhynchus Mykiss 3 – The disease occured in April-June 2015. 4 – Clinical signs were mass mortality, lethargic swimming with intermittent bouts of frenzied, abnormal activity, pinpoint haemorrhages in visceral organs and pale gills. 5 – The pathogen was detected by Histopathology, Nested-PCR and Cell culture in CVL. 6 – Morbidity rate was unknown. 7 – Mortality rate was around 20-30 % 8 – Age of affected fishes were 2-5 months 9 – Economic loss has not been calculated yet. 10 – Emergency harvesting, stamping out of juvenile and fallowing were carried out.
2	VHS was reported in three provinces,2 fish farm in Kordestan, one farm in Ardabil and one farm in llam. 1 — The Origin of the disease still remains unknown, the case is under investigation 2 — The Affected species was Oncorhynchus Mykiss 3 — The disease occured in April-June 2015. 4 — Clinical signs were pinpoint haemorrhages in visceral organs and pale gills, Ascite and 'pop eye'exophthalmia, bleeding under skin around base of pectoral and pelvic fins. 5 — The pathogen was detected by Real time PCR, ELISA, Histopathology and Nested-PCR in CVL and Mashhad PCR Lab. 6 — Morbidity rate was unknown. 7 — Mortality ratewere between 10-30 % 8 — Age of affected fishes were different 9 — Economic loss has not been calculated yet. 10 — Emergency harvesting, stamping out of juvenile and fallowing were carried out.

^{1/} Listed by OIE as "under study"

By implementation of Active surveillance system in shrimp farms, WSSV detected in two complex farm of Boierat- and helleh (Bushehr Province)

- 1 The Origin of disease still is unknown, but it is under study
- 2 Affected species were L.vannamei.
- 3 The disease occured in June 2015.

3

- 4 Clinical signs were sudden decrease in feeding, swimming near the edge of pond, reddish body and white spot on the cephalothorax and sudden death.
- 5 The pathogen was detected by nested-PCR and confirmed by national shrimp laboratory in boushehr.
- 6 Morbidity rate was near to 51%.
- 7 Mortality rate was undetermined.
- 8 Two ponds were disinfected with 40 ppm calcium choloride and all other ponds were immediately harvested.

1 .

QUARTERLY AQUATIC AT	QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015						
Country: JAPAN				April-June 2015			
Item [.]	Disease status ^{a/}			Level of	Epidemiologi		
DISEASES PREVALENT IN THE REGION		Month		diagnosis	cal comment		
FINFISH DISEASES	April	May	June	ulagnosis	numbers		
OIE-listed diseases							
Epizootic haematopoietic necrosis	0000	0000	0000	I			
2. Infectious haematopoietic necrosis	+	+	+	I,II,II	1		
3. Spring viraemia of carp (SVC)	0000	0000	0000	I			
4. Viral haemorrhagic septicaemia (VHS)	+	-(2015)	·(2015)	I,II	2		
5. Infection with Aphanomyces invadans (EUS)	-(2014)	-(2014)	-(2014)	I			
6. Red seabream iridoviral disease (RSID)	-(2014)	+()	+	п, п	3		
7. Koi herpesvirus disease (KHV)	+()	+	+	Ш	4		
Non OIE-listed diseases							
8. Grouper iridoviral disease	0000	0000	0000	I			
9. Viral encephalopathy and retinopathy	-(2014)	-(2014)	+()	Щ,	5		
10.Enteric septicaemia of catfish	-(2010)	-(2010)	-(2010)	I			
MOLLUSC DISEASES			(
OIE-listed diseases				-			
1. Infection with Bonamia exitiosa	0000	0000	0000	ī			
2. Infection with Perkinsus olseni	-(2007)	-(2007)	-(2007)	i i			
3. Infection with abalone herpesyirus	0000	0000	0000	- <u>-</u>			
4. Infection with Xenohaliotis californiensis	-(2015)	-(2015)	-(2015)	Ī			
Non OIE-listed diseases		<u> </u>	()	 			
5. Infection with Martellioides chungmuensis	-(2014)	-(2014)	-(2014)	I			
6. Acute viral necrosis (in scallops)	0000	0000	0000	Î			
CRUSTACEAN DISEASES				1 -			
OIE-listed diseases							
1. Taura syndrome (TS)	0000	0000	0000	I			
2. White spot disease (WSD)	+0	+?()	-(2015)	i ii	6		
3. Infection with yellow head virus (YHV)	0000	0000	0000	I			
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000	Ī			
5. Infectious myonecrosis (IMN)	0000	0000	0000	Ī			
6. White tail disease (MrNV)	0000	0000	0000	I			
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	i i			
Non OIE-listed diseases				<u> </u>	•		
8. Monodon slow growth syndrome	0000	0000	0000	I	····		
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	ı ı			
AMPHIBIAN DISEASES				<u> </u>			
OIE-listed diseases					, · ·		
1. Infection with Ranavirus	-(2012)	-(2012)	-(2012)	I			
2. Infection with Batrachochytrium dendrobattdis	-(2009)	-(2009)	-(2009)	Ī	· · · · · · · · · · · · · · · · · · ·		
ANY OTHER DISEASES OF IMPORTANCE	(5555)	(====)	//	†	, ,		
l							
2							

*listed as EMERGING DISEASE; (continued on page 2)

Prepared by:

Name: Shizuya Eguchi

Position: Director, Fish and Fishery Products Safty Office

Submitted by (OIE Delegate):

Name; Toshiro Kawashima

Position: Deputy Director-General,

Food Safety and Consumer Affairs Bureau

Signature:

Date:

Sep, 8, 2015

Signature: Date;

Sep, ? , 2015

江口

DISEASES PRESUMED EXOTIC TO THE REGION^b

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluscs: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please use the following symbols;

	· ·		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
+()	Occurrence limited to certain zones		Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones	(year)	Year of last occurrence

+?() Confirmed infection/intestation limited to one or more zones (year) Year of last occurrence

of the country, but no clinical disease

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

Listed by OIE as "under study"

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 laboratorics for confirmation (indicate the names of laboratorics); 10) Published paper (articles in journals/website, etc), and 11) Unknown diseases: describe details as much as possible.)

Comment No.	
	Infectious haematopoietic necrosis
1 .	1) Reported in 13 prefectures 2) Species affected: Amago (Oncorhynchus rhodurus), masou (O. masou), rainbow trout (O.mykiss), rainbow trout (4n) × brown trout (Salmo trutta) 3) Disease characteristics: Mortality; darkening of the skin; lethargy; pale gills, liver and kidney (anemia); threadbare fins; exophthalmia; petechial haemorrhages internally and externally; enlargement of the pancreas; ulcer 4) Pathogen: Infectious haematopoietic necrosis virus 5) Mortality rate: 0.7-85% 6) Economic loss: — 7) Names of infected areas: Hokkaido, Honshu 8) Preventive/control measures taken: Disinfection of equipment and tanks, culling of infected fish, early harvest, feed restriction, use of disinfected eggs 9) Laboratories for confirmation: Gross clinical observation, histopathology, PCR, RT-PCR and/or isolation of the virus by prefectural research laboratories 10) Publications: None
2	Viral haemorrhagic septicaemia (VHS) 1) Reported in 2 prefectures 2) Species affected: Red sea bream (Pagrus major) 3) Disease characteristics: Mortality, pale gills, petechial haemorrhages in the gills 4) Pathogen: Viral haemorrhagic septicaemia virus 5) Mortality rate: 0.03-10% 6) Economic loss: — 7) Names of infected areas: Honshu, Shikoku 8) Preventive/control measures taken: Removal of dead fish, movement control, feed restriction 9) Laboratory confirmation: Gross clinical observation or PCR by prefectural research laboratories 10) Publications: None

	Red seabream iridoviral disease (RSIVD)
3	 Reported in 3 prefectures Species affected: Greater amberjack (Seriola dumerili) Disease characteristics: Mortality, enlargement of the spleen, pale gills, petechial haemorrhages in the gills, hemorrhages in the internal organs Pathogen: Red sea bream iridovirus Mortality rate: 25% Economic loss: — Names of infected areas: Shikoku, Kyushu Preventive/control measures taken: Removal of infected and dead fish, feed restriction Laboratory confirmation: Histopathology or PCR by prefectural or fisheries cooperative research laboratories Publications: None
4	Koi herpesvirus disease (KHV) 1) Reported in 5 prefectures 2) Species affected: Koi carp (Cyprinus carpio), common carp (C. carpio) 3) Disease characteristics: Mortality, pale gills, enophthalmia, discoloration 4) Pathogen: Koi herpesvirus 5) Mortality rate: 11-100% 6) Economic loss: — 7) Names of infected areas: Honshu, Shikoku 8) Preventive/control measures taken: Movement control; culling of infected fish; disinfection of ponds 9) Laboratory confirmation: PCR by National Research Institute of Aquaculture, Japan Fisheries Resource Conservation Association and/or prefectural research laboratories 10) Publications: website of Ministry of Agriculture, Forestry and Fisheries (MAFF) and prefectures
5	Viral encephalopathy and retinopathy 1) Reported in 1 prefecture 2) Species affected: Kelp grouper (Epinephelus moara) 3) Disease characteristics: Mortality 4) Pathogen: Betanodavirus 5) Mortality rate: 1.4% 6) Economic loss: — 7) Names of infected areas: Honshu 8) Preventive/control measures taken: Culling of infected fish 9) Laboratory confirmation: RT-PCR by the prefectural research laboratory 10) Publications: None
6	White spot disease (WSD) 1) Reported in 2 prefectures 2) Species affected: Kuruma prawn (Marsupenaeus japonicus) 3) Disease characteristics: None 4) Pathogen: White spot syndrome virus 5) Mortality rate: — 6) Economic loss: — 7) Names of infected areas: Honshu, Kyushu 8) Preventive/control measures taken: Culling of infected eggs and shrimp; disinfection of equipment, ponds and facilities 9) Laboratory confirmation: PCR by National Research Institute of Aquaculture or prefectural research laboratory 10) Publications: None

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

Country:

Republic of Korea

Period:

January-March, 2015

Item	T	Disease status ^{a/}		Epidemiologi-	
DISEASES PREVALENT IN THE REGION		Month	Level of	cal comment	
FINFISH DISEASES	January	February	March	diagnosis	numbers
OIE-listed diseases		Toordary	Ividion		
Epizootic haematopoietic necrosis	0000	0000	0000		
Infectious haematopoietic necrosis		-	-	П	
3. Spring viraemia of carp (SVC)	0000	0000	0000		
4. Viral haemorrhagic septicaemia (VHS)	+	-			1
5. Infection with <i>Aphanomyces invadans</i> (EUS)	0000	0000	0000		
6. Red seabream iridoviral disease (RSID)		7.	*	Ш	
7. Koi herpesvirus disease (KHV)				Ш	
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	2	-		ш	
10.Enteric septicaemia of catfish	0000	0000	0000		
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	0000	0000	0000	1	
2. Infection with <i>Perkinsus olseni</i>	-				
3. Infection with abalone herpesvirus	0000	0000	0000	1	
4. Infection with Xenohaliotis californiensis	0000	0000	0000		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	2	-	2	ш	
6. Acute viral necrosis (in scallops)	0000	0000	0000		
CRUSTACEAN DISEASES					
OIE-listed diseases					
Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)			- 2	ш	
3. Infection with yellow head virus (YHV)	0000	0000	0000		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	æ		5.	Ш	
5. Infectious myonecrosis (IMN)	0000	0000	0000		
6. White tail disease (MrNV)	0000	0000	0000	-	
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000		
Non OIE-listed diseases					
8. Monodon slow growth syndrome	0000	0000	0000		
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000		
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	?	?	?		
ANY OTHER DISEASES OF IMPORTANCE					
1					
2					

*listed as EMERGING DISEASE; (continued on page 2)

Prepared by:

Name: Park, Myoung Ae

Position: Director of Aquatic life disease control division

Signature: 12 D PARIC

Date: April 21, 2015

Submitted by (OIE Delegate):

Name: Oh Soon-min

Position: Director of General Animal Health Division

Signature:

Date: July 15, 2015

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 Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please use the following symbols:

+ Disease reported or known to be present ?() Presence of the disease suspected but not confirmed in a zone
but no clinical diseases *** No information available

? Suspected by reporting officer but presence not confirmed 0000 Never reported

(year)

Not reported (but disease is known to occur)

Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

Confirmed infection/infestation limited to one or more zones of the

1/ Listed by OIE as "under study"

Occurrence limited to certain zones

country, but no clinical disease

+()

+?()

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.	
	Viral haemorrhagic septicaemia (VHS) was reported ;
	1. in Seogwipo of Jeju-do in January
	2. Olive flounder (Paralichthys olivaceus)
	3. Clinical signs; -
	4. VHSV
1	Mortality rate; low(≤1%), decreasing
	6. Death total; -
	7. Geographic extent; limited to one farm
	8. Control measures; prohibition of movement, disinfection of equipment and facilities
	9. Laboratory Confirmation; PCR method and sequencing by National Fisheries Research and Development Institute (NFRDI)
	10. Publication; None

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

Country:

Republic of Korea

Period:

April-June, 2015

Country, Republic of Rolea	:	renou.	Aprili-Julie, 20		
Item	341	Disease status	Level of	Epidemiologi	
DISEASES PREVALENT IN THE REGION		Month		diagnosis	cal commen
FINFISH DISEASES	April	May	June		numbers
OIE-listed diseases					
1. Epizootic haematopoietic necrosis	0000	0000	0000		
2. Infectious haematopoietic necrosis				Ш	
3. Spring viraemia of carp (SVC)	0000	0000	0000		
4. Viral haemorrhagic septicaemia (VHS)	+	+		Ш	1
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000		
6. Red seabream iridoviral disease (RSID)		-		Ш	
7. Koi herpesvirus disease (KHV)	T Ve			Ш	
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	L - E	-		Ш	
10.Enteric septicaemia of catfish	0000	0000	0000		
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	0000	0000	0000		
2. Infection with Perkinsus olseni	1,=1	-	-5:	Ш	
3. Infection with abalone herpesvirus	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	0000	0000	0000		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	-	-	-	Ш	
6. Acute viral necrosis (in scallops)	0000	0000	0000		
CRUSTACEAN DISEASES					
OIE-listed diseases					
1. Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)			-	Ш	
3. Infection with yellow head virus (YHV)	0000	0000	0000		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	Ne.	-	.5:	Ш	
5. Infectious myonecrosis (IMN)	0000	+	-	Ш	2
6. White tail disease (MrNV)	0000	0000	0000		
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000		
Non OIE-listed diseases					
8. Monodon slow growth syndrome	0000	0000	0000		
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000		
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	?	?	?		
ANY OTHER DISEASES OF IMPORTANCE					
1					
2					

*listed as EMERGING DISEASE; (continued on page 2)

Prepared by:

Name: Park, Myoung Ae

Position: Director of Aquatic life disease control division

Signature: An D PARK

Date: June 13, 2015

Submitted by (OIE Delegate):

Name: Oh Soon-min

Position: Director of General Animal Health Division

Signature: ___

Date: July 15, 2015

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.

Molluses: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

١	a/ Please use the foll	owing symbols:		
١	+	Disease reported or known to be present	?()	Presence of the disease suspected but not
١	+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
١		but no clinical diseases	***	No information available
١	?	Suspected by reporting officer but presence not confirmed	0000	Never reported
١	+()	Occurrence limited to certain zones	æ	Not reported (but disease is known to occur)
	+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

1/ Listed by OIE as "under study"

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.)

mment No.	
	Viral haemorrhagic septicaemia (VHS) was reported ;
	1. in Pohang-si of Gyeongsangbuk-do in April, in Seogwipo-si, Jeju-si of Jeju-do from April to May,
	2. Olive flounder (Paralichthys olivaceus)
	3. Clinical signs; Darkness, Ascites
	4. VHSV
1	5. Mortality rate; low(≤1%) ~ 12,000 fishes/farm
	6. Death total; ≤17,000 fishes
	7. Geographic extent; limited to two area(Jeju-do, Gyeongsangbuk-do)
	8. Control measures; prohibition of movement, disinfection of equipment and facilities
	9. Laboratory Confirmation; PCR method and sequencing by National Fisheries Research and Development Institute (NFRDI)
	10. Publication; None
	Infectious myonecrosis (IMN) was reported ;
	1. in Taean-gun of Chungcheongnam-do in May
	2. white leg shrimp(Litopenaeus vannamei)
	3. Clinical signs; -
	4. infectious myonecrosis virus (IMNV)
2	5. Mortality rate; high(40%)
	6. Death total; 200,000 subadults(3~4cm)/farm
	7. Geographic extent; limited to one farm
	8. Control measures; destruction, prohibition of movement, disinfection of equipment and facilities
	9. Laboratory Confirmation; PCR method and sequencing by National Fisheries Research and Development Institute (NFRDI)
	10. Publication; None

tem	Disease status a/							Epidemiologi-cal	
DISEASES PREVALENT IN THE REGION			Mon	th			Level of diagnosis	comment number	
FINFISH DISEASES	JAN	FEB	MARCH	APRIL	MAY	JUNE			
OIE-listed disenses									
Epizootic haematopoietic necrosis	0000	0000	0000	0000	0000	0000			
2. Infectious haematopoietic necrosis	0000	0000	0000	0000	0000	0000	1,11,111	ļ	
3. Spring viraemia of carp (SVC)	0000	0000	0000	0000	0000	0000	1,11,111	1	
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000	0000	0000	0000	I,II,III		
5. Infection with Aphanomyces invadans (EUS)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	I,II		
5. Red seabream iridoviral disease (RSID)	-		-	+			I,II,iII	2	
7. Koi herpesvirus disease (KHV)		-	-	-	+		I,II,III	3	
Non OIE-listed disenses			ļ					ļ	
8. Grouper iridoviral disease		-	<u> </u>	<u> </u>			III	4	
9. Viral encephalopathy and retinopathy					+	-	III	5	
10.Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000			
MOLLUSC DISEASES			ļ				ļ		
OIE-listed diseases					2000	0000	 -	I	
Infection with Bonamia exitiosa	0000	0000	0000	0000	0000	0000			
2. Infection with Perkinsus olseni	0000	0000	0000	0000	0000	0000	III		
Infection with abalone herpesvirus	0000	0000	0000	0000	0000	0000			
4. Infection with Xenohaliotis californiensis			ļ				ļ		
Non OIE-listed diseases				0000	0000	0000	 		
5. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	 		
6. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000	<u> </u>		
CRUSTACEAN DISEASES		ļ		 	<u> </u>		<u> </u>		
OIE-listed diseases				 			LJII	6	
1. Taura syndrome (TS)		-			<u> </u>	-	I,III	7	
2. White spot disease (WSD)	+	+	+	+	<u> </u>	 	1,111	8	
3. Infection with yellow head virus (YHV)	-	-	<u> </u>	 - -	+	+	I,III	9	
Infectious hypodermal and haematopoietic necrosis (IHHN)	+	<u> </u>	ļ			-	1,111	10	
5. Infectious myonecrosis (IMN)	*		<u> </u>	-	-		1,111	11	
6. White tail disease (MrNV)	-	<u> </u>	 	-	-	 	1,111	12	
7. Necrotising hepatopancreatitis (NHP)		-	<u> </u>		<u> </u>	 	1,111	12	
Non OIE-listed diseases	2000	0000	0000	0000	0000	0000	 	 	
8. Monodon slow growth syndrome	0000	0000	0000	0000	0000	0000	 		
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	1 0000	0000	0000	0000	 		
AMPHIBIAN DISEASES			+				 	·	
OIE-listed diseases			 	 			 		
I. Infection with Ranavirus	0000	0000	0000	0000	0000	0000	 		
2. Infection with Batrachochytrium dendrobatidis	UUGA	0000	1 0000	0000	0000	0000	 	1	
ANY OTHER DISEASES OF IMPORTANCE		 				 	 	 	
l				 			 		
*listed as EMERGING DISEASE; (continued on page 2)		1		.1.,	<u> </u>	1			

DISEASES PRESUMED EXOTIC TO THE REGION ^b LISTED BY THE OIE Finfish: Infection with IIPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with IIPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with Bonamia ostreae; Martellia refringens; Perkinsus marinus. Crustaceans: Crayfish plague (Aphanomyces astaci). NOT LISTED BY THE OIE Finfish: Channel catifish virus disease If Please use the following symbols: + Disease reported or known to be present +? Serological evidence and/or isolation of causative agent but no clinical diseases *** No information available Suspected by reporting officer but presence not confirmed Occurrence limited to certain zones - Not reported (but disease is known to occur)		Alimad Hazizi Bin aziz	Name; Position: Signature:	DR. KAMARUDIN BIN MD ISA Deput Director General (Veterinary Health)
Elistish: Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with Gyrodactylus salaris. Molluses: Infection with Bonama astreae; Martellia refringens; Perkinsus marinus. Crustaceans; Crayfish plague (Aphanomyces astaci). NOT LISTED BY THE OIE Finfish: Channel catilish virus disease 8/ Please use the following symbols: + Disease reported or known to be present +? Serological evidence and/or isolation of causative agent but no clinical diseases 9 Suspected by reporting officer but presence not confirmed 10 Occurrence limited to certain zones +() Occurrence limited to certain zones +() Confirmed infection/infestation limited to one or more 20 Zones of the country, but no clinical diseases 45 If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases	Date: _	29/14/15	Date;	-
Infection with Gyrodactylus salaris. Malluses: Infection with Bonamia astreae; Martellia refringens; Perkinsus marinus. Crustaceans: Crayfish plague (Aphanomyces astaci). NOT LISTED BY THE OIE Finfish: Channel catfish virus disease 4/ Please use the following symbols: + Disease reported or known to be present +? Serological evidence and/or isolation of causative agent but no clinical diseases 7 Suspected by reporting officer but presence not confirmed 6 Suspected by reporting officer but presence not confirmed 6 Confirmed infection/infestation limited to one or more 2 Confirmed infection/infestation limited to one or more 3 Occurrence of the country, but no clinical disease 6/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases	LISTED BY T	HE OIE		
NOT LISTED BY THE OIE Finfish: Channel catifish virus disease by Please use the following symbols: + Disease reported or known to be present +? Serological evidence and/or isolation of causative agent but no clinical diseases **** No information available ? Suspected by reporting officer but presence not confirmed **** No ver reported **** No ver reported **** No reported (but disease is known to occur) **** Not reported (but disease is known to occur) **** Confirmed in a zone **** No information available **** No reported (but disease is known to occur) **** Not reported (but disease is known to occur) **** Year of last occurrence **** Year of last occurrence **** If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases	Malluses: Infect	Infection with Gyroxlaotylus salaris . tion with Bonamia astreae ; Martellia refringens ; Perkinsus marinus .		
+ Disease reported or known to be present +? Serological evidence and/or isolation of causative agent but no clinical diseases Publication of inequal presence not confirmed Publication of inequal presence of the disease is known to occur) Publication of inequal presence not confirmed inequal presence not confirmed inequal presence of the country, but no clinical disease Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the disease is known to occur) Publication of inequal presence of the inequal presen	NOT LISTED	BY THE OIE		
+? Serological evidence and/or isolation of causative agent confirmed in a zone but no clinical diseases 7 Suspected by reporting officer but presence not confirmed +() Occurrence limited to certain zones +?() Confirmed infection/infestation limited to one or more +?() Confirmed infection/infestation limited to one or more your of the country, but no clinical disease by If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases	a/ Please use the	e following symbols:		
	+? ? +() +?() b/ If there is sus	Serological evidence and/or isolation of causative agent but no clinical diseases Suspected by reporting officer but presence not confirmed Occurrence limited to certain zones Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease spicion or confirmation of any of these diseases, they must be reported immediately, because the region is	0000 - (year)	confirmed in a zone No information available Never reported Not reported (but disease is known to occur)

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	Spring viraemia of carp 1. No positive case was detected (PCR) during DoF active surveillance programme
2	Red seabream iridoviral disease (RSiD) 1. One (1) positive case was detected (PCR) on April at P.Pinang (Lutjanus campechanus) during DoF active surveillance programme
3	Koi herpesvirus disease 1. One (1) positive case was detected (PCR) on May at Perak during DoF active surveillance programme
4	Grouper Iridoviral disease (GIV) 1. No positive case was detected (PCR) during DoF active surveillance programme
5	Viral encephalopathy and retinopathy 1. No positive case was detected (PCR) during DoF active surveillance programme
	Taura syndrome virus (TSV) (Penaeus monodon, Litopenaeus vannamei)
6	1. No positive cases were detected (PCR) during DoF active surveillance programme
	White Spot Syndrome Virus (WSSV)
7	1. Two (2) cases of WSSV were detected on January from Perak and Selangor (L. vannamei), one (1) case was detected on February from Terengganu (L. vannamei), two (2) cases were detected on March from Selangor (L. vannamei), and one (1) case was detected on April from Perak (P. monodon) in the samples sent to Private Laboratory for routine and monitoring purposes.
<u> </u>	Yellow head disease (YHV) (Penaeus monodon, Litopenaeus vannamei)
8	No positive case was detected (PCR) during DoF active surveillance programme
	Infectious hypodermal and haematopoietic necrosis virus (IHHNV) (Macrobrachium rosenbergi, Penacus monodon, Litopenacus vannamei)
9	1. One (1) case of IHHNV was detected on January from Perak, two (2) cases were detected on May from 2 farms in Selangor, three (3) cases were detected on May from Terengganu (2 cases) (L. vannamei), Perak (1 case) (P.monodon) in the samples sent to Private Laboratory for routine and monitoring purposes.
10	Infectious Myonecrosis (IMNV) 1. No positive case was detected (PCR) during DoF active surveillance programme
	Macrobrachium rosenbergii Nodavirus (MrNV)
11	No samples were tested for MrNV
12	Necrotising hepatopancreatitis (NHPB) no sample
12	I, No samples were tested for NHPB

QUARTERLY AQUATIC AN	NIMAL DISEA	ASE REPO	RT - 2015		
Country: Maldives		Period:		April - Jun	e
Item]	Disease status ^{a/}			Epidemiologi-
DISEASES PREVALENT IN THE REGION		Month		Level of diagnosis	cal comment
FINFISH DISEASES	April	May	June	diagnosis	numbers
OIE-listed diseases					
Epizootic haematopoietic necrosis	***	***	***		
2. Infectious haematopoietic necrosis	***	***	***		
3. Spring viraemia of carp (SVC)	***	***	***		
4. Viral haemorrhagic septicaemia (VHS)	***	***	***		
5. Infection with Aphanomyces invadans (EUS)	***	***	***		
6. Red seabream iridoviral disease (RSID)	***	***	***		
7. Koi herpesvirus disease (KHV)	***	***	***		
Non OIE-listed diseases					
8. Grouper iridoviral disease	***	***	***		
9. Viral encephalopathy and retinopathy	***	***	***		
10.Enteric septicaemia of catfish	***	***	***		
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	***	***	***		
2. Infection with Perkinsus olseni	***	***	***		
3. Infection with abalone herpesvirus	***	***	***		
4. Infection with <i>Xenohaliotis californiensis</i>	***	***	***		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	***	***	***		
6. Acute viral necrosis (in scallops)	***	***	***		
CRUSTACEAN DISEASES					
OIE-listed diseases					
1. Taura syndrome (TS)	***	***	***		
2. White spot disease (WSD)	***	***	***		
3. Infection with yellow head virus (YHV)	***	***	***		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	***	***	***		
5. Infectious myonecrosis (IMN)	***	***	***		
6. White tail disease (MrNV)	***	***	***		
7. Necrotising hepatopancreatitis (NHP)	***	***	***		
Non OIE-listed diseases					
8. Monodon slow growth syndrome	***	***	***		
9. Acute hepatopancreatic necrosis disease (AHPND)	***	***	***		
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	***	***	***		
2. Infection with Batrachochytrium dendrobatidis	***	***	***		
ANY OTHER DISEASES OF IMPORTANCE					
1					
2					
*listed as EMERGING DISEASE; (continued on page 2)					
Prepared by:	Submitted b	y (OIE Delega	ate):		
Name:Shafiya Naeem\	Name:	8	-7-		
	_				
Position:Aquatic Pathologist	Position: _				_
Signature:	Signature:				
Date:8 September 2015	Date:				
1					

DISEASES PRESUMED EXOTIC TO THE REGION ^b							
LISTED BY THE OIE							
Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;							
	Infection with Gyrodactylus salaris.						
	with Bonamia ostreae; Marteilia refringens; Perkinsus marini	is.					
· ·	ish plague (Aphanomyces astaci).						
NOT LISTED BY							
Finfish: Channel car							
a/ Please use the fol	llowing symbols:						
+	Disease reported or known to be present	?()	Presence of the disease suspected but not				
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone				
	but no clinical diseases	***	No information available				
?	Suspected by reporting officer but presence not confirmed	0000	Never reported				
+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)				
+'7()	Confirmed infection/infestation limited to one or more zones	(year)	Year of last occurrence				
	of the country, but no clinical disease on or confirmation of any of these diseases, they must be report	•	because the ration is considered				
free of these disea		eu minieuratery,	, because the region is considered				
1/ Listed by OIE as							
1. Epidemiologic	al comments:						
· ·	nclude: 1) Origin of the disease or pathogen (history of the dise		- · · · · · · · · · · · · · · · · · · ·				
	n (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/i Preventive/control measures taken; 9) Samples sent to national		Death toll (economic loss, etc); 7) Size of infected areas or names				
	ablished paper (articles in journals/website, etc). and 11) Unknown						
, , ,			•				
Comment No.							
1							
2							
2							
3							
_							
4							
5							
2. New aquatic a	nimal health regulations introduced within past six n	nonths (with	effective date):				

QUARTERLY AQUATIC AND Country: Mongolia		Period:		2015 Apr-Ju	un
oungers a	Disease status M				190707200004000
tem	D	Month		Level of	Epidemiologi cal comment
DISEASES PREVALENT IN THE REGION	Almai I	May	Jun	diagnosis	numbers
TINFISH DISEASES	Apr	iviay	2011		
DIE-listed diseases	0000	0000	0000		
Epizootic haematopoietic necrosis	0000	0000	0000		
! Infectious haematopoietic necrosis	0000	0000	0000		
S. Spring viraemia of carp (SVC)	0000		0000		
Viral haemorrhagic septicaemia (VHS)	0000	0000	0000	-	
Infection with Aphanomyces invadans (EUS)	0000	0000			-
5. Red seabream iridoviral disease (RSID)	0000	0000	0000	-	
7. Koi herpesvirus disease (KHV)	0000	0000	0000		
Non OIE-listed diseases			70.0000		
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	0000	0000	0000		
10.Enteric septicaemia of catfish	0000	0000	0000		
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	0000	0000	0000		
2. Infection with Perkinsus olseni	0000	0000	0000		
Infection with abalone herpesvirus	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	000	000	000		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	0000	0000	0000	W III NI	
Acute viral necrosis (in scallops)	0000	0000	0000		
CRUSTACEAN DISEASES					
OIE-listed diseases					
1. Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)	0000	0000	0000		
3. Infection with yellow head virus (YHV)	0000	0000	0000		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000		
5. Infectious myonecrosis (IMN)	0000	0000	0000		
6. White tail disease (MrNV)	0000	0000	0000		
Necrotising hepatopancreatitis (NHP)	0000	0000	0000		
Non OIE-listed diseases					
8. Monodon slow growth syndrome	0000	0000	0000		
Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000		
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000		
Infection with Ranavirus Infection with Batrachochytrium dendrobatidis	0000	0000	0000		
ANY OTHER DISEASES OF IMPORTANCE	350000				
ANI OTHER DISEASES OF EMPORTATION					
2					
*listed as EMERGING DISEASE: (continued on page 2)			111		
	Submitted	by (OIE Dele	gate):		
Prepared by:	Name:		P.Bolortuy	10	

Position:

Signature:

Date:

P.Bolortuya

18 Sep, 2015

OIE Pocal point

So Chapir Gleves

18 Sep. 2015

DISEASES PRESUMED EXOTIC TO THE REGION^b LISTED BY THE OIE Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus. Infection with salmon pancreas disease virus, Infection with Gyrodactylus salaris. Molluses Infection with Bonamia astreae, Marieilia refringens, Perkinsus marinus Crustaceans: Crayfish plague (Aphanomyces astacr) NOT LISTED BY THE OIE Finfish: Channel catfish virus disease a/ Please use the following symbols: Disease reported or known to be present 2() Presence of the disease suspected but not ± 2 Serological evidence and/or isolation of causative agent confirmed in a zone but no clinical diseases No information available Suspected by reporting officer but presence not confirmed 0000 Never reported () Occurrence limited to certain zones Not reported (but disease is known to occur) Confirmed infection/infestation limited to one or more zones +2() (year) Year of last occurrence of the country, but no clinical disease b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases 1/ Listed by OIE as "under study" 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 2 3 4 5

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

Country: Myanmar		Period:		April-June	
ltem .	,	Disease status	a/	Level of	Epidemiologi-
DISEASES PREVALENT IN THE REGION		Month			cal comment
FINFISH DISEASES	April	May	June	diagnosis	numbers
OIE-listed diseases					
Epizootic haematopoietic necrosis	***	***	***		
2. Infectious haematopoietic necrosis	***	***	***		gen year selection (St. 1911) year or selection (St. 1911) year
3. Spring viraemia of carp (SVC)	***	***	***		
4. Viral haemorrhagic septicaemia (VHS)	***	***	***		
5, Infection with Aphanomyces invadans (EUS)	***	***	***		enforce comp
6. Red seabream iridoviral disease (RSID)	***	***	***	Control of the second paper of the second	A STATE OF THE STA
7. Koi herpesvirus disease (KHV)	***	***	***		
Non OIE-listed diseases			 		
8. Grouper iridoviral disease	***	***	***		
9. Viral encephalopathy and retinopathy	***	***	***		
10.Enteric septicaemia of catfish	***	***	***		
MOLLUSC DISEASES			<u> </u>		<u> </u>
OIE-listed diseases				· · · · · · · · · · · · · · · · · · ·	
1. Infection with Bonamia exitiosa					
2. Infection with <i>Perkinsus olseni</i>	19 (004) 024(C46) 15 (6)	450000000000000000000000000000000000000			V. 17 (17 (17 (17 (17 (17 (17 (17 (17 (17
3. Infection with abalone herpesvirus			1		
4. Infection with Xenohaliotis californiensis			10.00 com 10.00 C	5.77 (5.42)	Market Street Street
Non OIE-listed diseases					
6. Infection with Marteilioides chungmuensis					
7. Açute viral necrosis (in scallops)		Street Marks of Text and the con-		CARLES NO SERVICES	Plant Comment
CRUSTACEAN DISEASES	540 YEROO (144 O EWOE		The second secon	¥2,	
OIE-listed diseases	-				
1. Taura syndrome (TS)	201 20 4 0 00			III	1
2. White spot disease (WSD)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		III	
3. Infection with yellow head virus (YHV)				Ш	
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	***	***	***	111	
5. Infectious myonecrosis (IMN)	***	***	***		
6. White tail disease (MrNV)	***	***	***		and the second second
7. Necrotising hepatopancreatitis (NHP)	***	***	***	100	
Non OIE-listed diseases	 				
8. Monodon slow growth syndrome	***	***	***	The second second	
9. Acute hepatopancreatic necrosis disease (AHPND)	***	***	***		
AMPHIBIAN DISEASES					ganalista.
OIE-listed diseases					
1. Infection with Ranavirus					
2. Infection with Batrachochytrium dendrobatidis					
ANY OTHER DISEASES OF IMPORTANCE					
1. Parasitic Disease					2
2: Bacterial Disease					2
*listed as EMERGING DISEASE; (continued on page 2)			<u> </u>		
Prepared by:	Submitted by	y (OIE Delega	nta):		
Name: U Saw Lah Paw Wah	an an ann a dhean an ann an ann an an ann an an	Delite security of the said for the second of the second	A Armed Tomas Company Sections 2	Servicio de miresmos de se	
	Name:	Dr. Kyaw Na	шg О0		150 2008 95 5 1
Position: Deputy Director Aquatic Animal Health & Director	material	TALL LAND	1 0 TV		

instead as EMERGING DISEASE, (continued on page 2)					
Prepared by: Su	Submitted by (OIE Delegate);				
Name: U Saw Lah Paw Wah Na	ame: _Dr. Kyaw Naing Oo				
Position: Deputy Director, Aquatic Animal Health & Disease Po	osition: Director, Research & Dieseae Control Division. Livestock Breeding & Veterinary Department				
	ignature:				
Dalfe: 36.7.2015 Da	ate:				

DISEASES PRESUMED EXOTIC TO THE REGION^b LISTED BY THE OIE 73 Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with Gyrodactylus salaris. Molluscs: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus. Crustaceans: Crayfish plague (Aphanomyces astaci). NOT LISTED BY THE OIE Finfish: Channel catfish virus disease a/ Please use the following symbols: Disease reported or known to be present ?() Presence of the disease suspected but not 4-9 Serological evidence and/or isolation of causative agent confirmed in a zone but no clinical diseases No information available Suspected by reporting officer but presence not confirmed 0000 Never reported +() Occurrence limited to certain zones Not reported (but disease is known to occur) Confirmed infection/infestation limited to one or more zones +?() Year of last occurrence (year) of the country, but no clinical disease b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered / Listed by OIE as "under study"

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	During this period, we have received 8 samples of shrimps (3 Frozen shrimps, 2 Soft shell crabs & 3 Alive shrimp for export and import) for testing, WSSV, YHV and TSV and found that all are negative.
2	Visited some fish farms in Yangon, Mandalay and Ayeyarwaddy Regions during this period. Due to poor water quality, parasitic disease (<i>Dactylogyrus spp:</i>) and bacterial disease (<i>Streptococcus spp:</i>) was found at some farm.
3	
4	
5	

Country: NEW CALEDONIA		Period:		April-June	
ltem	T	Disease status	gÚ		Epidemiologi
DISEASES PREVALENT IN THE REGION		Month		Level of diagnosis	cal comment
FINFISH DISEASES	April	May	June	diagnosis	numbers
OlE-listed diseases					
Epizootie haematopoietic necrosis	***	***	***		
2. Infectious haematopoietic necrosis	***	水冷水	***		
3. Spring viraemia of carp (SVC)	***	おオポ	* + *		
4. Viral haemorrhagic septicaemia (VIIS)	***	***	***		
5. Infection with Aphanomyces invadans (EUS)	* **	***	冷华炸		
6. Red seabream iridoviral disease (RSID)	***	***	***		
7. Koi herpesvirus disease (KHV)	***	本珍樹	***		
Non OIE-listed diseases					
B. Grouper Iridoviral disease	***	***	* * *		
Viral encephalopathy and retinopathy	***	***	***		
O.Enteric septicaemia of catfish	4**	***	传表状		
MOLLUSC DISEASES					
DIE-listed diseases		 			
. Infection with Bonamia exitiosa	0000	0000	0000		
2. Infection with Perkinsus olseni	0000	0000	0000	n i	
3. Infection with abalone herpesvirus	0000	0000	0000	П	Tara Vincenti
I. Infection with Xenohaliotis californiensis	0000	0000	0000	П	
Non OIE-listed diseases					
, Infection with Martellioides changmaensis	***	***	***		
. Acute viral necrosis (in scallops)	61 8	均非本	***		
CRUSTACEAN DISEASES				NEVAL N	
DIE-listed diseases					
. Taura syndrome (TS)	0000	0000	0000	III	
. White spot disease (WSD)	0000	0000	0000	in	
Infection with yellow head virus (YHV)	0000	0000	0000	III	
. Infectious hypodermal and haematopoietic necrosis (IHHN)	+?	+?	+7	111	
. Infectious myonecrosis (IMN)	0000	0000	0000	111	
i. White tail disease (MrNV)	0000	0000	0000	111	
. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	11)	No to take
Non OIE-listed diseases	2000				
. Monodon slow growth syndrome	0000	0000	0000	III	
Acute hepatopancrentic necrosis disease (AHPND)	0000	0000	0000	m	
MPHIBIAN DISEASES					
DIE-listed diseases		<u> </u>			
. Infection with Ranavirus	泰辛辛	***	オポオ	The second of the second	10.000 to 10.000
. Infection with Batrachochytrium dendrobatidis	***	海牙本	***		
NY OTHER DISEASES OF IMPORTANCE			t ::	- 7.33	274 3329

Prepared by:

Name:

Dr SOURCET Stéphanie

Position: Head of animal department DAVAR-SIVAP

Signature:

Date: 02/09/2015

Submitted by (OIE Delegate):

Name:

Dr Christian DESOUTTER

Position:

Head of Department of veterinary, food

and rural affairs (DAVAR)

Signature:

Date:

10 SEP 2015

Le directeur des affaires vétérinaire alimentaires et rurales

DISEASES PRESUMED EXOTIC TO THE REGION

LISTED BY THE OIE

frinfish: Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluscs: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astact).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

ı	a/ Please us	e the following symbols:		
ı	+	Disease reported or known to be present	?()	Presence of the disease suspected but not
ı	+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
ı		but no clinical diseases	***	No information available
1	?	Suspected by reporting officer but presence not confirmed	0000	Never reported
1	+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
	+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

If Listed by OIE as "under study"

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	No IHHNV detected since august 2013 (neither by histology nor by PCR)
2	The official laboratory of New Caledonia (LNC) confirmed that White tail disease (MrNV), Monodon slow growth syndrome and Acute hepatopancreatic necrosis disease (AHPND) are searched with negative result on each sample tested by histology (around 400 samples each year). Confirmation by PCR has also been done at OIE referent laboratory for crustacean diseases in Tucson
3	
4	
5	

QUARTERLY AQUATIO	ANIMAL DIS		RT - 2015	A	
Country: New Zealand		Period: Disease status ^{a/}		April - June	
Item		Level of	Epidemiologi		
DISEASES PREVALENT IN THE REGION		Month		diagnosis	cal comment
FINFISH DISEASES	April	May	June		numbers
OIE-listed diseases					
Epizootic haematopoietic necrosis	0000	0000	0000	Ш	
2. Infectious haematopoietic necrosis	0000	0000	0000	III	
3. Spring viraemia of carp (SVC)	0000	0000	0000	Ш	
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000	III	
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000	III	
6. Red seabream iridoviral disease (RSID)	0000	0000	0000	III	
7. Koi herpesvirus disease (KHV)	0000	0000	0000	III	
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000	III	
9. Viral encephalopathy and retinopathy	0000	0000	0000	III	
10.Enteric septicaemia of catfish	0000	0000	0000	Ш	
MOLLUSC DISEASES					
OIE-listed diseases					-
1. Infection with <i>Bonamia exitiosa</i>	- (2015)	- (2015)	- (2015)	III	1
2. Infection with <i>Perkinsus olseni</i>	- (2015)	- (2015)	- (2015)	III	2
3. Infection with abalone herpesvirus	0000	0000	0000	III	
4. Infection with <i>Xenohaliotis californiensis</i>	0000	0000	0000	Ш	
Non OIE-listed diseases	0000	0000	0000		
5. Infection with <i>Marteilioides chungmuensis</i>	0000	0000	0000	Ш	
6. Acute viral necrosis (in scallops)	0000	0000	0000	Ш	
CRUSTACEAN DISEASES	0000	0000	0000	1	
OIE-listed diseases				+	
1. Taura syndrome (TS)	0000	0000	0000	Ш	
2. White spot disease (WSD)	0000	0000	0000	Ш	
3. Infection with yellow head virus (YHV)	The production of the producti				
Infection with yellow head virus (1 H V) Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000	III	
Infectious myonecrosis (IMN)	0000	0000	0000	III	
	0000	0000	0000	III	
6. White tail disease (MrNV)	0000	0000	0000	Ш	
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	Ш	
Non OIE-listed diseases	2222	2222	0.000		4 (0.000)
8. Monodon slow growth syndrome	0000	0000	0000	III	
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	Ш	
AMPHIBIAN DISEASES					
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000	Ш	
2. Infection with Batrachochytrium dendrobatidis	-(2010)	-(2010)	-(2010)	III	3
ANY OTHER DISEASES OF IMPORTANCE					and the control of th
1. Infection with Bonamia ostreae	- (2015)	- (2015)	- (2015)	III	4
2 *listed as EMERGING DISEASE: (continued on page 2)					

*listed as EMERGING DISEASE; (continued on page 2)

Prepared by:

Position:

Submitted by (OIE Delegate):

Toni Tana Name:

Matthew Stone Name:

Position: Director Animals and Animal Products

Senior Advisor, Surveillance Signature:

Signature:

Date:

Date:

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 Bonamia ostreae; Marteilia refringens; Perkinsus marinus. Crustaceans: Crayfish plague (Aphanomyces astaci). NOT LISTED BY THE OIE Finfish: Channel catfish virus disease a/ Please use the following symbols: Disease reported or known to be present Presence of the disease suspected but not ?() Serological evidence and/or isolation of causative agent confirmed in a zone No information available but no clinical diseases Suspected by reporting officer but presence not confirmed 0000 Never reported +() Occurrence limited to certain zones Not reported (but disease is known to occur)

(year)

Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

Confirmed infection/infestation limited to one or more

zones of the country, but no clinical disease

1/ Listed by OIE as "under study"

+?()

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	Bonamia exitiosa occurs in commercial oyster beds in Foveaux Strait, where it is highly prevalent and associated with mortalities in mid to late summer. It occurs intermittently around the South Island and in Wellington Harbour (bottom of the North Island), and has been previously reported in Ostrea sp. from Tauranga, the Marlborough Sounds and Wellington Harbour. Annual monitoring of the presence of B. exitiosa infection is undertaken in the dredge oyster (O. chilensis) population in the Foveaux Strait.
2	Perkinsus olseni was detected in wild New Zealand Scallops (Pecten Novaezealandiae) in November 2014. This was the first report of P. olseni in this host species. Perkinsus olseni was also detected in New Zealand green lipped mussels (Perna canaliculus) in a land based aquaculture facility in September 2014. Both of these findings were in the Marlborough region, and were incidental and not associated with mortality events. P. olseni was detected in healthy wild abalone (Haliotis iris) in 2014 and detected in farmed abalone in July 2013. Both these detections were in Northern New Zealand. P. olseni is known to occur in populations of four other wild bivalve species: New Zealand cockles, Austrovenus stutchburyi (Veneridae), Macomona liliana (Tellinidae), Barbatia novae-zelandiae (Arcidae), and Paphies australis (Mesodesmatidae). These mollusc species occur widely around the coast of New Zealand, but to date P. olseni has only been detected in these species Auckland and northwards.
3	The first isolation of <i>Batrachochytrium dendrobatidis</i> was made in 1999 in New Zealand. Since then the fungus has been detected both on the North and South Islands in both native and introduced frog species. It is not certain what level of population decline if any, is associated with the presence of the fungus in native frogs.

4	Bonamia ostreae was detected for the first time in New Zealand flat oysters (Ostrea chilensis) in January 2015 on one land based aquaculture facility in the upper South Island and on two marine oyster farms in the Marlborough Sounds (in the northern part of the South Island). New Zealand initiated a response with the objectives of restricting the spread and determining the geographical extent of the infection. National delimitation surveillance has not detected B. ostreae beyond the original three detections. Zoning has been established to restrict the movement of susceptible shellfish species from the upper South Island to the key flat oyster areas of Southland, Otago and the Chatham Islands. Ongoing surveillance will include implementation of an active surveillance programme to enhance early detection of spread. Additional long term management options to prevent further spread are currently being considered. Details of zoning are available on the New Zealand Ministry for Primary Industries' website at http://www.biosecurity.govt.nz/pests/bonamia.
5	
2. New aquat	ic animal health regulations introduced within past six months (with effective date):

QUARTERLY AQUATIC ANIMAL DISEASE REPORT – 2015 PHILIPPINES Period: JANU.

Country:

JANUARY-MARCH

Item	I	Disease status	ं ज]	Epidemiologi-	
DISEASES PREVALENT IN THE REGION	ION Month			Level of diagnosis	cal comment	
FINFISH DISEASES	JAN	FEB	MAR	пивиозіз	numbers	
OIE-listed diseases						
1. Epizootic haematopoietic necrosis	0000	0000	0000		可能是是实力	
2. Infectious haematopoietic necrosis	0000	0000	0000			
3. Spring viraemia of carp (SVC)	0000	0000	0000	m		
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000			
5. Infection with Aphanomyces invadans (EUS)	-(2002)	-(2002)	-(2002)	1	1	
6. Red seabream iridoviral disease (RSID)	0000	0000	0000	İİİ	2	
7. Koi herpesvirus disease (KHV)	0000	0000	0000	m	. 3	
Non OIE-listed diseases						
8. Grouper iridoviral disease	-(2008)	-(2008)	-(2008)	Ш		
9. Viral encephalopathy and retinopathy	Mary Hole Walley		Property and the second	Ш	4	
10.Enteric septicaemia of catfish	****	****	****			
MOLLUSC DISEASES						
OIE-listed diseases						
1. Infection with Bonamia exitiosa	0000	0000	0000			
2. Infection with Perkinsus olseni	0000	0000	0000			
3. Infection with abalone herpesvirus	****	****	****			
4. Infection with Xenohaliotis californiensis	****	****	****	1-00-00		
5. Infection with ostereid herpesvirus*	0000	0000	0000			
Non OIE-listed diseases		<u> </u>				
6. Infection with Marteilioides chungmuensis	0000	0000	0000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
7. Acute viral necrosis (in scallops)	****	****	****		- 12/	
CRUSTACEAN DISEASES						
OIE-listed diseases						
1. Taura syndrome (TS)	0000	0000	0000	III	5	
2. White spot disease (WSD)	***	+	10 ¥ 8 × 4	Ш	6	
3. Yellowhead disease (YHD)	-(1999)	-(1999)	-(1999)	ш	7	
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	+	+	+	III	8	
5. Infectious myonecrosis (IMN)	0000	0000	0000	ш	9	
6. White tail disease (MrNV)	0000	0000	0000	Ш		
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	ш	10	
Non OIE-listed diseases		Strain and transfers during				
8. Monodon slow growth syndrome	****	****	****		mile any investment in the hyperval	
9. Acute hepatopancreatic necrosis disease (AHPND)	±()	3. 5. 4 A. 45.6		Ш	11	
AMPHIBIAN DISEASES	110,000,000,000,000	4 (C. 14) 148 (A. 17) A.	1 4 5 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	se, compas, co		
OIE-listed diseases						
1. Infection with Ranavirus	****	***	****			
2. Infection with Batrachochytrium dendrobatidis	****	****	****			
ÁNY OTHER DISEASES OF IMPORTANCE	<u>, , , , , , , , , , , , , , , , , , , </u>	-1.000 PG 100 SA		DESCRIPTION AND ADD	gergeden ich Mighel, die jacoglich	
I was to be a second of the se				. IJ MOSS	Will be a second	
2		F8151-544-555	3 69 173 39 37 77			

*listed as	EMERGING DISEASE; (continued on page 2)	···	
Prepared	by:	Submitteg	by (OIE Delegate):
Name:	JOSELITO R. SOMGA, DVM, MSc	Name	DR. RUBINA O. CRESENCIO
Position:	Senior Aquaculturist	Position:	Chief Veterinary Officer / Acting Director IV
	Bureau of Fisheries and Aquatic Resources		Bureau of Animal Industry
Signature:	Hum-y a-	Signature:	
Date:	They 09, 2015	Date:	

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluscs: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanonyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please use the	e following symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not	0000	Never reported

confirmed
+() Occurrence limited to certain zones -

Not reported (but disease is known to occur)

+?() Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease

(year) Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

1/ Listed by OIE as "under study"

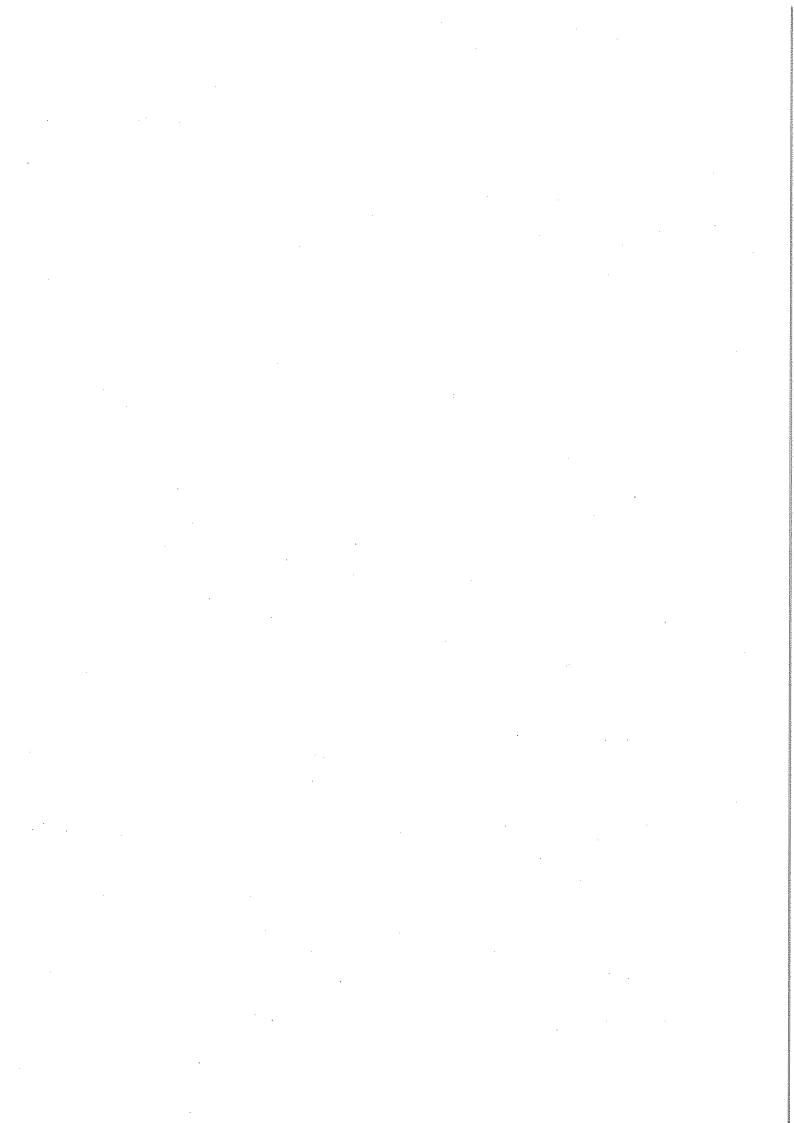
1. Epidemiological comments:

(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	Two hundred seventy five (275) samples (155 Anguilla spp., 120 Monopterus albus) were negative for infection with Aphanomyces invadans (BUS) by gross morphological examination. Samples were from Rizal, General Santos, Cotabato, Isabela and Negros Occidental. Examinations were conducted by the Bureau of Fisheries and Aquatic Resources (BFAR) Central Office Fish Health Laboratory.
2	Four (4) samples (2 seabass and 2 signaid) were analyzed using PCR test. All samples showed negative results for Red Seabream Iridoviral Disease. Samples were collected from Sarangani Province. Examinations were conducted by Southeast Asian Fisheries Development Center/Aquaculture Department (SEAFDEC/AQD) Laboratory.
3	Four (4) samples of Koi carp were analyze using PCR test. All samples showed negative results for Koi Herpes Virus. The samples were collected from Pampanga, Examinations were conducted by BFAR Central Office Laboratory
4	Twelve (12) samples of snapper, scabass, grouper, sigarid, S.guttatus and T.nilotica were analyzed using PCR test. All samples showed negative results for Viral Encephalopathy and Retinopathy (VER). Samples were collected from Sarangani Province, Iloilo, and Negros Occidental. Examinations were conducted by SEAFDEC/AQD.
5	Two hundred two (202) samples-(180 P. vannamei, 21 P. monodon, 1 M. rosenbergil) of different stages (brood stock, adult, fiy and juvenile) were analyzed using PCR test. All samples showed negative results for Taura Syndrome. The samples were collected from Bulacan, Bohol, Quezon, Batangas, Zamboanga, Pangasinan, Davao del Sur, Cebu City, Leyte, Sarangani Province, Lanao del Norte, Zambales, Bataan, Rizal,; Antique, Iloilo, Negros Occidental, Catanduanes, Camarines Norte, Camarines Sur and Oriental Mindoro, Other samples are imported from Hawali, U.S.A. Examinations were conducted by BFAR Central Office, BFAR Region 3, BFAR Region 4-A, BFAR Region 5, BFAR Region 6, BFAR Region 7, CARAGA Region and SEAFDEC/AQD Laboratories.
. 6	Five hundred forty one (541) samples of P. vannamei, P. monodon, S. serrata and M. rosenbergii of different stages (fty, juvenite, adult and brood stock) were tested using PCR. One hundred seventeen samples (73 P. vannamei, 25 P. monodon, 1 M. Rosenbergii, 2 S. serrata and 16 wild shrimp) were positive for White Spot Syndrome Virus. The positive samples were from Quezon, Zamboanga, Pangasinan, Davao del Sur, Lanao del Norte, Batangas, Sarangani Province, Rizal, Bulacan, Aklan, Cebu, Iloilo, Negros Occidental, Calandhanes, Masbate, Camerines Norte, Camarines Sur and Oriental Mindoro. Examinations were conducted by BFAR Central Office, BFAR Region 3, BFAR Region 4-A, BFAR Region 5, BFAR Region 6, BFAR Region 7, CARAGA Region and SEAFDEC/AQD Laboratories.
7	One hundred forty four (144) samples (131 P.vannamet, 12 P.monodon, 1 M.rosenbergii) in different stages were analyzed using PCR test. All samples showed negative results for Yellowhead Disease. The samples were collected from Bulacan; Bohol, Quezon, Batangas, Zamboanga, Pangasinan, Davao del Sur, Cebu, Leyte, Sarangani Province, Lanao del Norte, Zambales, Bataan, Rizal, Iloilo, Negros Occidental and Oriental Mindoro, Other samples were imported from Hawaii, U.S.A. Examinations were conducted by BFAR Central Office and SEAFDEC/AQD Laboratories.
8	Three hundred forty five (345) samples of P.vannamei, P.monodon, M.rosenbergii and S.serrata of different stages (broodstock, adult, fry and juvenile) were analyzed using PCR test. Two hundred twenty six (88 P.monodon,35 P.vannamei, 2 S.serrata and 1 P.indicus) samples showed positive results for Infectious hypodermal and haematopoietic necrosis (IHIRN). The positive samples were collected from Bulacan, Quezon, Zamboanga, Pangasinan, Zambales, Davao del Sur, Lanao del Norte, Aklan, Iloilo, Bohol, Cavite, Capiz and Batangas. Examination was conducted by BFAR Central Office, BFAR 4-A, BFAR Region 6, BFAR Region 7 and SEAFDEC/AQD Laboratories.

9	Two hundred sixty four (264) samples (242 P. vannamei, 15 P. monodon, 1 M. rosenbergii and 6 crab) of different stages were analyzed using PCR test. All samples sliowed negative results for Infectious myonecrosis (IMNV). The samples were collected from Bulacan, Bohol, Quezon, Batangas, Zamboanga, Pangasinan, Davao del Sur, Cebu, Leyte, Sarangani Province, Zambales, Lanao del Norte, Rizal, Bataan, Iloilo, Negros Occidental, Antique, Bohol and Oriental Mindoro. Other samples are imported from Hawaii, U.S.A. Examination was conducted by BFAR Central Office, BFAR Region 4-A, BFAR Region 6, BFAR Region 7, CARAGA Region and SEAFDEC/AQD Laboratories.
10	One hundred forty seven (147) samples (135 P.vannamei, 12 P.monodon) of different stages were analyzed using PCR test. All samples showed negative results for Necrotising Hepatopancrealitis (NHPB). The samples were collected from Bulacan, Quezon, Batangas, Zambanga, Pangasinan, Davao del Sur, Cebu, Leyte, Sarangani Province, Zambales, Batan and Oriental Mindoro. Other samples are imported from Hawaii, U.S.A., Examination was conducted by BFAR Central Office and BFAR Region 7 Laboratories.
11	One hundred seventy (170) samples of <i>P.yannamet</i> , <i>P.monodon</i>) of different stages (fiv. juvenile and adult) were tested using PCR. Fifteen (15) <i>P.yannamet</i> samples were positive for Acute Hepatocpancreatic Necrosis Disease (APHND). The positive samples were from Bulacan, Batangas, Cebu and Pangasinan. Examinations were conducted by BFAR Central Office, BFAR Region 7, CARAGA Region and BFAR Region 3 Laboratories.

 $^{{\}bf 2. \ New \ aquatic \ animal \ health \ regulations \ introduced \ within \ past \ six \ months \ (with \ effective \ date):}$



QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

APRIL-JUNE Country: PHILIPPINES Period: Item Disease status a Epidemiologi-Level of DISEASES PREVALENT IN THE REGION Month cal comment diagnosis FINFISH DISEASES numbers APR MAY JUN OTE-listed diseases 1. Epizootic haematopoietic necrosis 0 0 0 2. Infectious haematopoietic necrosis 0 0 0 3. Spring viraemia of carp (SVC) Ш 0 0 0 4. Viral haemorrhagic septicaemia (VHS) 0 0 0 5. Infection with Aphanomyces invadans (EUS) -2002 -2002 -2002 Ι 1 6. Red seabream iridoviral disease (RSID) 0 0 0 Ш 2 7. Koi herpesvirus disease (KHV) 0 0 0 Ш Non OIE-listed diseases 8. Grouper iridoviral disease -2008 -2008 -2008 Ш 9. Viral encephalopathy and retinopathy Ш 3 + 10.Enteric septicaemia of catfish **** **** **** MOLLUSC DISEASES **OIE-listed diseases** 1. Infection with Bonamia exitiosa 0 0 0 2. Infection with Perkinsus olseni 0 0 0 3. Infection with abalone herpesvirus **** **** **** 4. Infection with Xenohaliotis californiensis **** **** **** 5. Infection with ostereid herpesvirus* 0 0 0 Non OIE-listed diseases 6. Infection with Marteilioides chungmuensis 0 0 0 7. Acute viral necrosis (in scallops) **** **** **** CRUSTACEAN DISEASES OIE-listed diseases 1. Taura syndrome (TS) 0 Ш 2. White spot disease (WSD) Ш 5 + + 3. Yellowhead disease (YHD) -1999 -1999 -1999 Ш 6 4. Infectious hypodermal and haematopoietic necrosis (IHHN) + + + Ш 7 5. Infectious myonecrosis (IMN) 0 0 0 Ш 8 White tail disease (MrNV) 0 0 0 Ш 7. Necrotising hepatopancreatitis (NHP) 0 0 0 Ш Non OIE-listed diseases 8. Monodon slow growth syndrome **** *** **** 9. Acute hepatopancreatic necrosis disease (AHPND) 9 +() Ш AMPHIBIAN DISEASES OIE-listed diseases 1. Infection with Ranavirus **** **** **** **** 2. Infection with Batrachochytrium dendrobatidis **** **** ANY OTHER DISEASES OF IMPORTANCE

Prepared	by:	Submitted by (OIE Dele	gate):
Name:	JOSELITO R. SOMGA, DVM, MSc.	Name: DR. 1	RUBINA O. CRESENCIO
Position:	Senior Aquaculturist, Bureau of Fisheries and	Position: <u>Chief Veter</u>	nary Officer / Acting Director IV
	Aquatic Resouces	Bureau of A	nimal Industry
Signature:		Signature;	
Date:		Date:	

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;

^{*}listed as EMERGING DISEASE; (continued on page 2)

1	fection with <i>Bonamia ostreae</i> ; <i>Marteilia refringens</i> ; <i>Perkinsus mar.</i> s: Crayfish plague (<i>Aphanomyces astaci</i>).	inus .		
1	ED BY THE OIE			
	nnel catfish virus discase			
a/ Please us	e the following symbols:			
+	Disease reported or known to be present	?()	Presence of the disease suspected but not	
+?	Serological evidence and/or isolation of causative agent	.,	confirmed in a zone	
	but no clinical diseases	***	No information available	
?	Suspected by reporting officer but presence not confirmed	0000	Never reported	
+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)	
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence	
	suspicion or confirmation of any of these diseases, they must be repose diseases	orted immed	liately, because the region is considered	

1. Epidemiological comments:

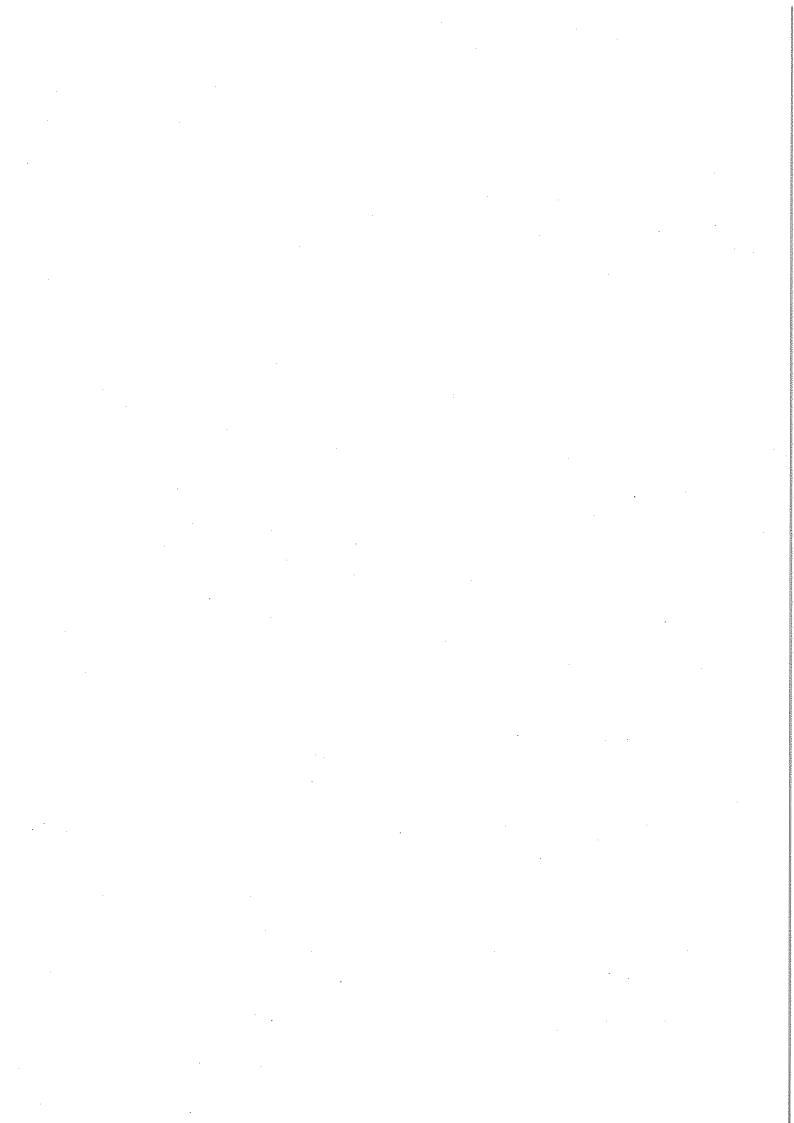
(Comments should include: 1) Origin of the disease or pathogen (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogen (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/increasing); 6) Death toll (economic loss, etc); 7) 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	Two hundred twenty two (222) samples of Anguilla spp. were negative for Infection with Aphanomyces invadans (EUS) by gross morphological examination. Samples were from Laguna, Antipolo, Cotabato and Zambales. Examination was conducted by the Bureau of Fisheries and Aquatic Resources (BFAR), Central Office Fish Health Laboratory.
2	Thirty (30) samples (10 Epinephelus spp, and 6 Trachinotus spp.) were analyzed using PCR test. All samples showed negative results for Red Seabream Iridoviral Disease. Epinephelus spp. samples were collected from Palawan while Trachinotus spp were collected from Bataan. Examination was conducted by BFAR Central Office Laboratory.
3	Ten (10) samples of Epinephelus spp. were analyzed using PCR test. One sample showed positive results for Viral Encephalopathy and Retinopathy. The positive sample was collected from Palawan. Examination was conducted by BFAR Central Office Laboratory.
4	Two hundred seventy nine (279) samples-(199 P.vannamei, 77 P.monodon, 2 P.indicus and 1 hermit crab) of different stages (brood stock, adult, fry and juvenile) were analyzed using PCR test. All samples showed negative results for Taura Syndrome. The samples were collected from Camarines Norte, Camarines Sur, Catanduanes, Zambales, Pangasinan, Bataan, Zamboanga del Sur, Cagayan, Davao del Sur, Bulacan, Agusan del Norte, Zamboanga del Norte, Quezon, Iloilo, Aklan, Ormoc, Dapitan, Oriental Mindoro, Catanduanes, Sarangani Province, Davao City, General Santos City and Marinduque. Other samples are imported from Hawaii, U.S.A. Examinations were conducted by BFAR Central Office, BFAR Region III, BFAR Region IV-A, BFAR Region V and BFAR Region VI Laboratories.
5	Three hundred seventy four (374) samples of P.vannamei, P.monodon and crab of different stages (fry, juvenile, adult and brood stock were tested using PCR. Sixteen (16) were positive for White Spot Syndrome Virus. The positive samples were from Bulacan, Quezon, Ormoc City, Aklan, Catanduanes and Zambales. Examinations were conducted by BFAR Central Office, BFAR Region III, BFAR Region IV-A, BFAR Region V, BFAR Region VI, BFAR Region VII, BFAR Region X and CARAGA Region Laboratories.
6	Two hundred sixteen (216) samples (172 P.vannamei, 42 P.monodon, 1 P. indicus and 1 hermit crab) in different stages were analyze using PCR test. All samples showed negative results for Yellowhead Disease. The samples were collected from Zambales, Pangasinar Zamboanga del Sur, Cagayan, Davao del Sur, Bulacan, Agusan del Norte, Zamboanga del Norte, Quezon, Iloilo, Aklan, Ormoc, Leyte, Davao Occidental, Dapitan, Davao Oriental, Ilocos Sur, Marinduque, Misamis Occidental and Camarines Norte. Other samples are imported from Hawaii, U.S.A. Examinations were conducted by BFAR Central Office and BFAR Region X Laboratories.
7	Two hundred fifty eight (258) samples of P.vannamei, P.monodon, and P.indicus of different stages (broodstock, adult, fry and juvenile were analyzed using PCR test. Forty nine (24 P.monodon and 25 P.vannamei) samples showed positive results for Infectious hypodermal and haematopoietic necrosis (IHHN). The samples were collected from Bataan, Zamboanga, Pangasinan, Bulacan, Quezor Aklan, Iloilo, Agusan del Norte, Marinduque, Camarines Norte, Ormoc, Leyte, Cagayan, Oriental Mindoro, Catanduanes, Misamis Occidental, Lanao del Norte and Batangas. Examination was conducted by BFAR Central Office, BFAR Region IV-A, BFAR Region VI and CARAGA Region Laboratories.
8	Two hundred twenty five (225) samples (164 P.vannamei, 59 P.monodon, 1 P.indicus and 1 hermit crab) of different stages were analyzed using PCR test. All samples showed negative results for Infectious myonecrosis (IMN). The samples were collected from Zambales, Bataan, Pangasinan, Zamboanga del Sur, Cagayan, Bulacan, Ormoc Gity, Leyte, Dapitan, Davao Oriental, Agusan del Norte, Davao del Sur, Cebu, Catanduanes, Sarangani Province, General Santos, Batangas, Ilocos Sur, Marinduque, Aklan, Iloilo and Quezon. Other samples are imported from Hawaii, U.S.A. Examination was conducted by BFAR Central Office, BFAR Region IV-A and BFAR Region VI Laboratories.

	Three hundred twenty seven (327) samples of P.vannamei, P.monodon, P.indicus and crab, of different stages (fry, juvenile and adult)
	were tested using PCR One (1) sample P.vannamei was positive for Acute Hepatopancreatic Necrosis Disease. The positive sample
9	was from Batangas. Examinations were conducted by BFAR Central Office, BFAR Region III, BFAR Region IV-A, BFAR Region VII,
	BFAR Region X and CARAGA Region Laboratories.

BFAR Region X and CARAGA Region Laboratories.

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



QUARTERLY AQUATIC ANI	MAL DISE	ASE REPO	RT - 2015		
Country: Singapore		Period:	5	pril to June 2	2015
Item	evel of 1			Epidemiologi-	
DISEASES PREVALENT IN THE REGION		Month			cal comment
finfish diseases	Apr	May	Jun	diagnosis	numbers
OIE-listed diseases					
Epizootic haematopoletic necrosis	0000	0000	0000		120005
2. Infectious haematopoietic necrosis	0000	0000	0000	文是《新典》	
3. Spring vicaemia of carp (SVC)	0000	0000	0000	84,4865	10.00 ST 600
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000		
5. Infection with Aphanomyces invadans (BUS)	0000	0000	0000	7-1-2	2000 A 100 A 200 A
6. Red seabream iridoviral disease (RSID)	(2015)	(2015)	(2015)	Ш	1000 PM
7. Koi herpesvirus disease (KHV)	(2012)	(2012)	(2012)	. О.Ш	1
Non OIE-listed diseases					
8. Grouper iridoviral disease	(2014)	(2014)	(2014)	an n	75 SEC. 300 S
9. Viral encephalopathy and retinopathy	0.000 4.94 0.000	(2015)	(2015)	or m	2
10.Enteric septicaemia of catfish	***	***	***	9.990.000.000	sector editors
MOLLUSC DISEASES					
OIE-listed diseases					
1. Infection with Bonamia exitiosa	***	***	李本本	4.55.75.45	30/50/40/40/4
2. Infection with Perkinsus alseni	***	***	***	15.75 25 16.00	(40 A 3 K 5 K 5 K 5
3. Infection with abalone herpesvirus	***	***	***	N/09/8464-860	Yes (Creating to
4. Infection with Xenohaliotis californiensis	***	***	***	je verieta (Ste	25-6-42 (APV \$ 10 V)
Non OIE-listed diseases	31. 1513.1513.4413.4413.4413.	Control of the second	Harata di Kalanda di Kalanda di Kalanda di Kalanda di Kalanda di Kalanda di Kalanda di Kalanda di Kalanda di K	in Agus - Yishaa Masukaas	Hartester, a general control
5. Infection with Marteilioides chungmuensis	***	***	***	. Triporti (h. 1877)	No. of the State o
6. Acute viral necrosis (in scallops)	***	***	***	2. S. S. S. S. S. S. S. S. S. S. S. S. S.	ASSAS MANAGES
CRUSTA CEAN DISEASES	Children Strategy (M.)	8 Jan 9 58 19 12 - 15 5	Special Manager was	1 3 19 5, 31 20 1, 12 5	C140 0 1 0 00 000 0
OIE-listed diseases					
1. Taura syndrome (TS)	0000	0000	0000	26-08 235779-0	SECTIONS
2. White spot disease (WSD)	(2013)	(2013)	(2013)	m	3
3. Infection with yellow head virus (YHV)	0000	0000	0000	**************************************	
Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000		
5. Infectious myonecrosis (IMN)	0000	0000	0000		Book seed and in
6. White tail disease (MrNV)	***	***	***	50000000000000000000000000000000000000	
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000	20 7 7 5 A 10 A 10 A	
Non OIE-listed diseases		0000	0000		100000000000000000000000000000000000000
8. Monodon slow growth syndrome	***	***	***		
9. Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	n	4
9. Acute nepatopancreatic necrosis disease (AHPND) AMPHIBIAN DISEASES	0000	2 22000000000	>> UUUU \	. 11. 3. 1	2015/959 /00 13.65
OIE-listed diseases	_	ļ			
1. Infection with Rangvirus	***	***	***	1945.0840/0881	25,052,517,05
	70000 10000	The state of the s	restricted to the con-	10000000000000000000000000000000000000	i 1685 vi el de 1155 à u 18960 sve, g eti en 183
2. Infection with Batrachochytrium dendrobatidis	# *** *** ***	i jihang a tabergi	(2015)	AIII	1 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996) 1996 (1996)
ANY OTHER DISEASES OF IMPORTANCE 1. Infectious spieen and kidney necrosis virus (ISKNV) (marine &	3.043946536		Vietni Nijoro koji	T 12 (12 (12 (12 (12 (12 (12 (12 (12 (12	
ornamental fish)	1000	(2015)	(2015)	Щ	6
2. Aeromonas salmonicida (in goldfish)	0000	0000	0000	. ш	7
*listed as EMERGING DISEASE; (continued on page 2)	1	,	, , , , , , , , , , , , , , , , , , , ,		1
Prepared by:	Submitted b	y (OIE Deleg	ate):		
Name: Dr Diana Chee	Name:		PAIRE MAIL MINDS	Slang Thai	
Position: Dy Director / Aquatic Animal Health Section	Position:		Directo	ir-General	
Signature;	— Signature:	1	مبست سرام	1	
	为东西外外的		28/8/	2015	
Date: 27 August 2015	_Date:				

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPRO salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodaetylus salaris.

Molluses: Infection with Bonamia ostreae; Marteilia refringens; Perkinsus marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/	Please use	the	following	symbols:
----	------------	-----	-----------	----------

	+	Disease reported or known to be present	?()	Presence of the disease suspected but not
	+7	Serological evidence and/or isolation of causative agent		confirmed in a zone
		but no clinical diseases	***	No information available
	?	Suspected by reporting officer but presence not confirmed	0000	Never reported
-	+()	Occurrence limited to certain zones	-	Not reported (but disease is known to occur)
1.	+?()	Confirmed infection/infestation limited to one or more zones	(year)	Year of last occurrence
L	111()	of the country, but no clinical disease	()our	TANK OF THIS CRAMITATION

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered free of these diseases

I/ Listed by OIE as "under study"

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/scro-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	Kol herpesvirus (KHV) was detected in 1 batch of imported ornamental kol in May by qPCR. The fish were under quarantine and were healthy during inspection. All 2,300 kol in the affected batch were humanely euthanized and cleaning and disinfection carried out. The isolation order of the exporter's premise was lifted, after two rounds of follow-up qPCR tests did not detect KHV from kol of other consignments within the same quarantine area. KHV was not detected in 45 batches of imported ornamental kol this quarter by qPCR. The last detection of KHV in local kol was in September 2012. As the detection in May this quarter was in kol under quarantine, there is no change to the disease status for Singapore.
2	Viral nervous necrosis virus (VNNV) was detected via RT-PCR in a batch of 2 week old, locally sourced, diseased asian seabass fry from a landbased hatchery. All affected fry were culled and the hatchery disinfected. The virus was not detected in 17 other batches of diseased marine food fish submitted this quarter.
3	Lesions suggestive of Acute hepatopancreatic necrosis disease (AHPND) were not detected on histopathological examination of 13 batches of <i>Litopaneus vannamei</i> submitted weekly by a local broodstock farm this quarter.
4	White spot syndrome virus (WSSV) was not detected by qPCR in 13 batches of imported and locally farmed ornamental crustaceans (shrimp and crayfish) submitted from targeted surveillance programs, and in 140 Litopaneus vannamei, submitted from a local broodstock farm this quarter.
5	During follow up investigations into Batrachochytrium dendrobatidis (Bd) detections in the previous quarter, Bowas detected in two batches of imported American bullfrogs (food frogs), and in one batch of imported ornamental frogs by qPCR this quarter. The American bullfrogs were imported from Taiwan and Malaysia, while the ornamental frogs were from China. All frogs were humanely euthanised, with the food frogs harvested for food.
6	Infectious spleen and kidney necrosis virus (ISKNV) was detected by PCR and histology examination revealed lesions consistent with a megalocytivirus-infection in diseased mullet fingerling from a coastal fish farm. The farmer had reported increasing fish mortalities 1 month after stocking, with clinical signs of darkened body in the mullet.
7	Aeromonas salmonicida was not detected in 11 batches of goldfish submitted under a targeted surveillance program to meet Australia's import requirements this quarter.

	2. New aquatic animal health regulations introduced within past six months (with effective d	late):
[# # # # # # # # # # # # # # # # # # #		

· .

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015

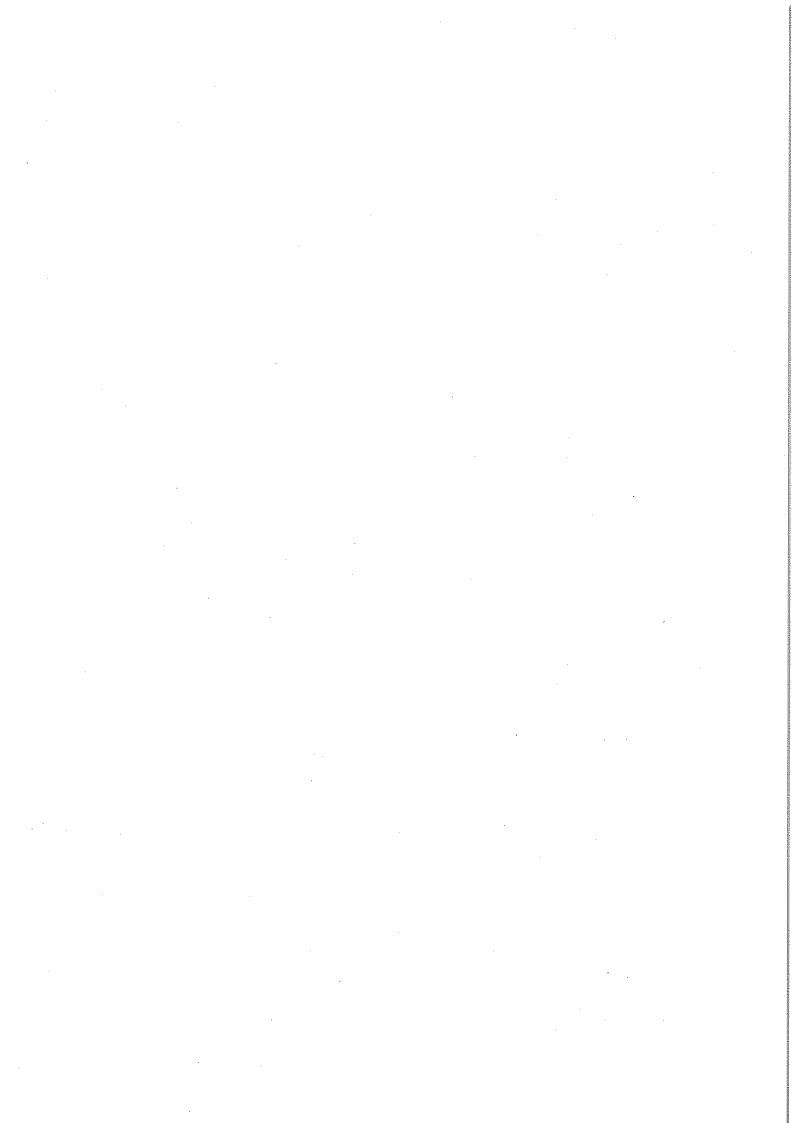
Country:

Thailand

Period:

April - June

Country:	_					
tem	Disease status a/			Level of	. Epidemiologi	
DISEASES PREVALENT IN THE REGION		Month		diagnosis	cal comment numbers	
INFISH DISEASES	April	May	June		numbers	
OIE-listed diseases				<u> </u>	 	
. Epizootic haematopoietic necrosis	000	000	000	III	<u> </u>	
2. Infectious haematopoietic necrosis	000	000	000	JIT	 	
3. Spring viraemia of carp (SVC)	000	000	000	111	ļ —	
4. Viral haemorrhagic septicaemia (VHS)	000	000	000	Ш	ļ	
5. Infection with Aphanomyces invaduns (EUS)	(2009)	(2009)	(2009)	II	<u> </u>	
6. Red seabream iridoviral disease (RSID)	000	000	000	III.		
7. Koi herpesvirus disease (KHV)	(2011)	(2011)	(2011)	III		
Non OIE-listed diseases				<u> </u>		
8. Grouper iridoviral disease	***	***	***	<u></u>		
9. Viral encephalopathy and retinopathy	-	•	_	III		
10.Enteric septicaemia of catfish	000	000	000	[1]		
MOLLUSC DISEASES						
OIE-listed discuses						
1. Infection with Bonamia exitiosa	000	000	000			
2. Infection with Perkinsus olseni	000	000	000	III		
3. Infection with abalone herpesvirus	000	000	000	``		
4. Infection with Xenohaliotis californiensis	000	000	000			
5. Infection with ostereid herpesvirus*	000	000	000	Ţ, , , ,		
Non OIE-listed diseases						
6. Infection with Marteilioides changmaensis	000	000	000			
7. Acute viral necrosis (in scallops)	***	***	***	T		
CRUSTACEAN DISEASES						
		-	 	, , , , ,		
OIE-listed diseases			-	Ш		
1. Taura syndrome (TS)	- . -	+()	-	III	1	
2. White spot disease (WSD)		 		111		
3. Yellowhead disease (YHD)			+()	[]]	2	
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	000	000	000	III		
5. Infectious myonecrosis (IMN)	- 000			101		
6. White tail disease (MrNV)	***	***	***			
7. Necrotising hepatopancreatitis (NHP)			 			
Non OlE-listed diseases	***	***	***			
8. Monodon slew growth syndrome		+()	+()	111	3	
9. Acute hepatopancreatic necrosis disease (AHPND)	+()		+ 	 		
AMPHIBIAN DISEASES		 	 		-	
OIE-listed diseases	(2011)	(2011)	(2011)	1111		
1. Infection with Ranavirus		000	000			
2. Infection with Batrachochytrium dendrobatidis	000	000		+		
ANY OTHER DISEASES OF IMPORTANCE		 	- 	-		
		+	 	_	 	
2		<u> </u>			-19	
*listed as EMERGING DISEASE; (continued on page 2)	الد و عداد ساده	by (OTE DA	enate).		1.	
Prepared by:		by (OIE Del	czniej. z	-> M	V	
Name: Ms. Jarce Polchana	Name:					
Position: Aquatic focal point	Position:			<u> </u>		
	Signature:					
Signature:	-					
Date: 10 August 2015	Date:					



Country: VANUATU	H	Period:		APR - JUN 2	015
Item	Disease status ^{a/}			Level of	Epidemiologi
DISEASES PREVALENT IN THE REGION		Month		diagnosis	cal commen
FINFISH DISEASES	APR	MAY	JUN	Glagilosis	numbers
OIE-listed diseases					
Epizootic haematopoietic necrosis	0000	0000	0000		
2. Infectious haematopoietic necrosis	0000	0000	0000		
3. Spring viraemia of carp (SVC)	0000	0000	0000		
4. Viral haemorrhagic septicaemia (VHS)	0000	0000	0000		
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000		
6. Red seabream iridoviral disease (RSID)	0000	0000	0000		
7. Koi herpesvirus disease (KHV)	0000	0000	0000		
Non OIE-listed diseases					
8. Grouper iridoviral disease	0000	0000	0000		
9. Viral encephalopathy and retinopathy	0000	0000	0000		
10.Enteric septicaemia of catfish	0000	0000	0000		
MOLLUSC DISEASES					
OIE-listed diseases		1			
1. Infection with Bonamia exitiosa	0000	0000	0000		
2. Infection with Perkinsus olseni	0000	0000	0000		
3. Infection with abalone herpesvirus	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	0000	0000	0000		
Non OIE-listed diseases					
5. Infection with Marteilioides chungmuensis	0000	0000	0000		
6. Acute viral necrosis (in scallops)	0000	0000	0000		
CRUSTACEAN DISEASES					
OIE-listed diseases					
Taura syndrome (TS)	0000	0000	0000		
2. White spot disease (WSD)	0000	0000	0000		
3. Infection with yellow head virus (YHV)	0000	0000	0000		
4. Infectious hypodermal and haematopoietic necrosis (IHHN)	0000	0000	0000		
5. Infectious myonecrosis (IMN)	0000	0000	0000		
6. White tail disease (MrNV)	0000	0000	0000		
7. Necrotising hepatopancreatitis (NHP)	0000	0000	0000		
Non OIE-listed diseases				S Desire pears	
8. Monodon slow growth syndrome	0000	0000	0000		
Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000		
AMPHIBIAN DISEASES		0000		1	
OIE-listed diseases					
1. Infection with Ranavirus	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	0000	0000	0000	776.000	
ANY OTHER DISEASES OF IMPORTANCE	5 0 p 4 ₁ 4 ₁ 1 ₁ 1 ₁ 1			V - W-187244 - 1	
		I Newstands			
2					TOWNS OF STATE
*listed as EMERGING DISEASE; (continued on page 2)		1 11111111	il		1
Prepared by:	Submitted I	by (OIE Deleg	ate):		
Name; <u>Sina MOALA</u>	Name:	Sina MOALA	and the second second second second		
Position: Principal Veterinary Officer		Principal Vete	rınary Officei		
Signature:	Signature:				
Date: 9/09/2015	Date:	2015/9/9			

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with Gyrodactylus salaris.

	n with Bonamia ostreae; Marteilia refringens; Perkinsus mar	inus .	
	yfish plague (Aphanomyces astaci).		
NOT LISTED BY	THE OIE		
Finfish: Channel c	eatfish virus disease		
a/ Please use the f	ollowing symbols:		
+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+?	Serological evidence and/or isolation of causative agent	:()	confirmed in a zone
• •	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
· +()	Occurrence limited to certain zones	- 0000	Not reported (but disease is known to occur)
	Confirmed infection/infestation limited to one or more zones	_	
+?()	of the country, but no clinical disease	(year)	Year of last occurrence
	cion or confirmation of any of these diseases, they must be repe	orted immedi	iately, because the region is considered
free of these dise	eases		
1/ Listed by OIE a	s "under study"		
1. Epidemiologi	cal comments:		
			pecies affected; 3) Disease characteristics (unusual clinical signs ng); 6) Death toll (economic loss, etc); 7) Size of infected areas or
names of infected a	areas; 8) Preventive/control measures taken; 9) Samples sent to	national or i	international laboratories for confirmation (indicate the names of
aboratories); 10) P	ublished paper (articles in journals/website, etc). and 11) Unkr	nown disease	s: describe details as much as possible.)
O	T		
Comment No.			
1			
2			
_			
3			
··			
4			
т			
5			
. New aquatic a	nimal health regulations introduced within past six n	nonths (wit	th effective date):

.

QUARTERLY AQUATIC ANIMAL DISEASE REPORT - 2015 Country: VIET NAM Period: April-June Item Disease status a/ Epidemiologi-DISEASES PREVALENT IN THE REGION Level of Month cal comment diagnosis **FINFISH DISEASES** numbers April May June **OIE-listed diseases** 1. Epizootic haematopoietic necrosis 0000 0000 0000 2. Infectious haematopoietic necrosis 0000 0000 0000 3. Spring viraemia of carp (SVC) 0000 0000 0000 4. Viral haemorrhagic septicaemia (VHS) 0000 0000 0000 5. Infection with Aphanomyces invadans (EUS) ---6. Red seabream iridoviral disease (RSID) 0000 0000 0000 7. Koi herpesvirus disease (KHV) 0000 0000 0000 Non OIE-listed diseases 8. Grouper iridoviral disease 0000 0000 0000 9. Viral encephalopathy and retinopathy 0000 0000 0000 10. Enteric septicaemia of catfish +() +() +() I, II 1 MOLLUSC DISEASES **OIE-listed diseases** 1. Infection with Bonamia exitiosa 0000 0000 0000 2. Infection with Perkinsus olseni 3. Infection with abalone herpesvirus 0000 0000 0000 4. Infection with Xenohaliotis californiensis 0000 0000 0000 Non OIE-listed diseases 5. Infection with Marteilioides chungmuensis 0000 0000 0000 6. Acute viral necrosis (in scallops) 0000 0000 0000 CRUSTACEAN DISEASES **OIE-listed diseases** 1. Taura syndrome (TS) 0000 0000 0000 2. White spot disease (WSD) + + I, III 2 3. Infection with yellow head virus (YHV) -4. Infectious hypodermal and haematopoietic necrosis (IHHN) 0000 0000 0000 5. Infectious myonecrosis (IMN) 0000 0000 0000 6. White tail disease (MrNV) -7. Necrotising hepatopancreatitis (NHP) 0000 0000 0000 Non OIE-listed diseases 8. Monodon slow growth syndrome -9. Acute hepatopancreatic necrosis disease (AHPND) + I, III 3 AMPHIBIAN DISEASES **OIE-listed diseases** 1. Infection with Ranavirus 0000 0000 0000 2. Infection with Batrachochytrium dendrobatidis 0000 0000 0000 ANY OTHER DISEASES OF IMPORTANCE

Pre	nar	ed l	hv:

Name:

Dr. Nguyen Van Long

Position:

Chief, Aquatic Animal Health Division

Signature:

Date: Sept 7, 2015

Submitted by (OIE Delegate):

Name:

Dr. Pham Van Dong

Position:

Director General, Department of Animal Health Sept 7, 2015

Signature:

Date:

^{*}listed as EMERGING DISEASE; (continued on page 2)

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Monuscs: infection with Bonamia ostreae, Marteilia refringens; Porkinous marinus.

Crustaceans: Crayfish plague (Aphanomyces astaci).

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/ Please use the following symbols:

+	Disease reported or known to be present	?()	Presence of the disease suspected but not
+7	Serological evidence and/or isolation of causative agent		confirmed in a zone
	but no clinical diseases	***	No information available
?	Suspected by reporting officer but presence not confirmed	0000	Never reported
+()	Occurrence limited to certain zones		Not reported (but disease is known to occur)
+?()	Confirmed infection/infestation limited to one or more zones of the country, but no clinical disease	(year)	Year of last occurrence

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered for of these diseases.

1/ Listed by OIE as "under study"

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	Pathogen: Edwarsiella ictaluri Infection found in intensive catfish (Pangasius micronema, P. hypophthalmus) farms This disease occurred in An Giang province
2	Pathogen: White Spot Syndrome Virus (WSSV). Affected species: black tiger shrimp (Penaeus monodon) and white leg shrimp (Litopeneaus vannamei). The disease was reported in 19 provinces, including Hai Phong, Thai Binh, Nghe An, Ha Tinh, Quang Binh, Thua Thien Hue, Quang Ngai, Phu Yen, Khanh Hoa, Ho Chi Minh, Ba Ria Vung Tau, Long An, Tien Giang, Ben Tre, Tra Vinh, Kien Giang, Soc Trang, Bac Lieu and Ca Mau. Shrimps were affected from 10-100 days after stocking in the total areas of 2.100 ha. Mortality rate: average to high, in some cases 100% after 10 days. Clinical signs: Lethargic or moribund shrimps aggregated at the pond surfaces or edges, slow to erratic swimming behaviour. The colour of shrimps became reddish. Minute to large (0.5-2 mm diameter) white spots embedded in the cuticle layers. Control measures: Early harvest, strict isolation applied to infected ponds from movement; strengthening control of transportation. Disinfection of infected ponds by calcium hypochlorite (chlorine).
3	Pathogen: Vibrio parahaemolytics with Phage A3 The disease occurred in 20 provinces and caused losses in the shrimp culture areas of 4258 ha including Hai Phong, Nam Dinh, Quang Ninh Nghe An, Quang Tri, Quang Nam, Quang Ngai,Phu Yen, Khanh Hoa, Ho Chi Minh, Ba Ria-Vung Tau, Ninh Thuan, Long An, Tien Giang, Tra Vinh, Ben Tre, Kien Giang, Soc Trang, Bac Lieu and Ca Mau province. The high mortality observed at 10-45 days post stocking in both P. monodon and L. vanamei shrimps. The mortality rate could reach 95% in intensive and semi-intensive farming systems. Disease characteristics:lethargy; soft, darken shells, and mottling of the carapaces; these symptoms were only observed in hepatopancreas organs. Control measures: Strict isolation of infected ponds from movements and transportation control. Using calcium hypochlorite (chlorine) to disinfect infected ponds.

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

National Coordinators

Australia

(OIE Focal Point)

Dr Brett HERBERT Senior Scientist

Office of the Chief Veterinary Officer

Biosecurity Services Group Department of Agriculture GPO Box 858

Canberra ACT 2611 Tel: 61-2-6272-5402

E-mail: Brett.Herbert@agriculture.gov.au

Bangladesh (OIE Focal Point)

Dr Md. Forhadul Alam

Assistant Director (Animal Health)

Department of Livestock Services Ministry of Fisheries

and Livestock

Prani Sampad Bhaban, Krishikhamar Sarak Farmgate,

Dhaka 1215

Tel: 880-2911-5968

E-mail: forhadul1961@gmail.com

Bhutan

(OIE Focal Point)

Mr Dorji Namgay Program Director

National Aquaculture Centre Department of Livestock

Ministry of Agriculture and Forests

Royal Government of Bhutan

Gelephu, Sarpang

975-625-1190 Tel: Fax: 975-625-1201

E-mail: namgaydorji@moaf.gov.bt

Brunei

(OIE Focal Point)

Mr Haji Hallidi Salleh Acting Director of Fisheries Department of Fisheries

Ministry of Industry and Primary Resources

Menteri Besar Road BB3610

Brunei Darussalam

Fax: 673-2383067/ 673-2382068

Fax: 6732382069

E-mail: halidi.salleh@fisheries.gov.bn

Cambodia

(OIE Focal Point)

Dr Chin Da

Director of the Aquatic Division of the Fisheries

Administration of Cambodia P.O.Box: 2447. Phnom Penh-3 Tel: 855 23 996 380

E-mail: chinda77@yahoo.com

China, People's Republic of (OIE Focal Point)

Dr Feng Dongyue

Engineer

National Fishery Technical Extension Center

Building 18, Maizidian Street Chaoyang District Center

Beijing 100125

Tel: 86-138-119-564-67 E-mail: fengdy76@sina.com

Chinese Taipei

(OIE Focal Point)

Dr Heng-Yi Wu

Specialist, Bureau of Animal & Plant Health Inspection and Quarantine, Council of Agriculture, Executive Yuan 10 F. N° 100, Sec. 2;

Heping W. Rd., Zhong xheng Dist. Taipei City 10070,

886-2-8978-7925 Tel: E-mail: hanker@mail.bahiq.gov.tw

Hong Kong SAR, China

Ms Joanne On-on Lee

Fisheries Officer (Aquaculture Management) 2

Agriculture, Fisheries and Conservation Department 8/F, Cheng Sha Wan Government Offices 303 Cheng Sha Wan Road, Kowloon, Hong Kong SAR

Tel: +852 21526808 Fax: +852 21520383

E-mail: joanne_oo_lee@afcd.gov.hk

Dr Geraldine LUK

Senior Veterinary Officer (Veterinary Laboratory)

India

(OIE Focal Point)

Dr Raja Sekhar Vundru

Joint Secretary (Fisheries) Department of Animal Fisheries Ministry Husbandry, Dairying and

Agriculture

Room No. 221-A, Krishi Bhawan Dr. Rajendra Prasad Road New Delhi 110001

91-11-23381994 Tel: 91-11-23070370 Fax: E-mail: vundru@yahoo.com

jsfy@nic.in

Indonesia

(OIE Focal Point)

Dr Maskur Maskur

Director of Fish Health and Environment

Directorate General of Aquaculture, Ministry of Marine Affairs and Fisheries

Menara 165 Lantai 15, Jl. TB. Simatupang Kav. 1,

lakarta Tel: 62-08129773474

Tel: 62-021 7827844 E-mail: maskurfish@gmail.com

Iran

(OIE Focal Point also NACA National Coordinator)

Dr Kazem Abdi Khazineh Jadid

Director General

Aquatic Animal Health & Disease Department Sayed Jamaledin Asad Abadi St, Vali-Asr Ave.

P.O. Box 14155-6349, Tehran Tel: 98-21-88-96-23-03 Fax: 98-21-88-96-23-03 Email: kazemabdy@yahoo.com

Japan

(OIE Focal Point)

Mr Shizuya Eguchi

Director

Fish and Fishery Products Safety Office Animal Products Safety Division Food Safety and Consumer Affairs Bureau Ministry of Agriculture, Foresty and Fisheries 1-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

Tel: 81-3-6744-2105 Fax: 81-3-3502-8275

E-mail: shizuya_eguchi@nm.maff.go.jp

Korea, Republic of

(OIE Focal Point)

Dr Myoung Ae Park

Director, Pathology Division

National Fisheries Research and Development Institute,

152-1, Haeanro, Gijang-up

Gijang-gun, Busan 619-705 Korea

Tel: 82-51-7202470 E-mail: mapark@nfrdi.go.kr

Dr Sungha Yoon Quarantine Officer National Fisheries Products Quality Management Services 106 Haaulmeaulro, Ilsandong-gu Goyang-si

Tel: 82-31-929-4692 E-mail: ysha78@korea.kr

LAOS

(OIE Focal Point)

Mr Akhane Phomsouvanh Deputy Director Division of Fisheries

Department of Livestock and Fisheries

P.O. Box 6644 Vientiane 01000

Tel: 856-2121-7869 E-mail: akhane@live.com

Malaysia

(OIE Focal Point)

Ms Marlinda Hanin Binti Marham

Fisheries officer

Fisheries Biosecurity Division

Ministry of Agriculture and Agro based Industry

3rd floor, Podium block 4G2, Wisma Tani

No 30 Persiaran Perdana

Precint t4

Federal Government Administrative Center

62628 Putrajaya

Tel: 60 38 870 4671 E-mail: merlinda@dof.gov.my

Maldives

(OIE Focal Point)

Dr Shafiya Naeem Senior Research Officer Marine Research Center

Ministry of Fisheries and Agriculture H. White Wave, Moonlight Higun

Male' - 20096

Tel: 960-332-2242
Fax: 960-332-6558
E-mail: snaeem@mrc.gov.mv
shafiyanaeem@gmail.com

Micronesia, Fed. States of

(OIE Focal Point)

Mr Valentin MARTIN
Deputy Assistant Secretary
Marine Resources Unit

Department of Resources & Development

FSM Government P.O Box PS-12

Palikir

Phonpei, FM96941

Tel: 691-320-2620/5133/2646

Fax: 691-320-5854 E-mail: fsmmrd@mail.fm

Mongolia

(OIE Focal Point)

Dr Sengee Sugir State Central Veterinary Laboratory

Khan-uul district, Zaisan P.O. Box 53/03 Ulaanbaatar 210153 Tel: 976-341651-18

Fax: 976-11-70111050

E-mail: ssugar 352000@yahoo.com

Myanmar

(OIE Focal Point)

Dr Myin Winn Deputy Director

Livestock Breeding & Veterinary dept.

Ministry of Livestock, Fisheries and Rural Development

Building 36, Nay Pyi Taw

E-mail: paingphyo2007@gmail.com

dg-lbvd@mptmail.net.mm

Nepal

(OIE Focal Point also NACA National coordinator)

Mr Ram Prasad Panta

Senior Fisheries Development Officer

Central Fisheries Laboratory Central Fisheries Building

Balaju, Machhapokhari, Kathmandu

Tel: 997-1-4385854 Fax: 997-1-4350833

E-mail: rppanta13@gmail.com

New Caledonia

(OIE Focal Point)

Dr Stéphanie Sourget

Veterinarian

Veterinary, Food and Rural Affairs Department Veterinary, Food and Phytosanitary Service

B.P. 256, 98845 Noumea

Tel: 687-24-37-45 / 79-83-64 Fax: 687-25-11-12

E-mail: Stephanie.sourget@gouv.nc

New Zealand

(OIE Focal Point)

Mr Brendan Gould

Manager Surveillance and Incursion Investigation

PO Box 2526, Wellington 6120 Tel: 64 4 894 0548

E-mail: Brendan.Gould@mpi.govt.nz

Dr Mary van Andel Incursion Investigator

Pakistan

(OIE Focal Point)

Dr Mansoor Hussan Khan

Research Officer

Ministry of National Food Security and research

E-mail: khurshid_65@hotmail.com

Papua New Guinea (OIE Focal Point)

Mr Wani Jacob Aruma

Advisor

Aquaculture and Inland Fisheries Unit

National Fisheries Authority

P.O.Box 2016

Port Moresby, National Capital District

Tel: 675-3090-444 Fax: 675-320-2061

E-mail: gwani@fisheries.gov.pg

Philippines

(OIE Focal Point also NACA National Coordinator)

Dr Joselito R. Somga Senior Aquaculturist,

Bureau of Fisheries and Aquatic Resources

860, Quezon Avenue, Quezon City, Metro Manila 1003

Tel: 63-2-372 3878, local 206

63-2-410 9988-89

Fax: 63-2-372 5055/410 9987 E-mail: jsomga@bfar.da.gov.ph

josomga@yahoo.com

Singapore

(OIE Focal Point also NACA National Coordinator)

Dr Diana Chee

Agri-food and Veterinary Authority

Animal and Plant Health Centre 6 Perahu Road,

Singapore 718827

Tel: 65-63165140 Fax: 65-63161090

E-mail: Diana_Chee@AVA.gov.sg

Sri Lanka

(OIE Focal Point also NACA National Coordinator)

Dr Rajapaksa Arachilage Geetha Ramani

Veterinary Investigation Officer Veterinary Investigation Centre

Department of Animal Production and Health Welisara

Tel: 94 112 958 213 Mobile: 94 714 932 169 E-mail: vic_welisara@yahoo.com

Thailand

(OIE Focal Point also NACA National Coordinator)

Ms Jaree Polchana

Fishery Biologist, Professional Level

Inland Aquatic Animal Health Research Institute

(IAAHRI)

Inland Fishery Research and Development Bureau Department of Fisheries, Kaset Klang, Chatuchak

Bangkok 10900

Tel: 66-2-5794122 Fax: 66-2-5613993 E-mail: j_polchana@yahoo.com

Timor-Leste

(OIE Focal Point)

Dr Felisiano DA CONCEIÇÃO

National Directorate and Veterinary Services

Ministry of Agriculture and Fisheries

Rua de Presidente Nicolau Lobato No.5

Comoro, Dili Tel: 670-331-0518

Mobile: 670-772-68-637 E-mail: maularavets@yahoo.com

alvabetha@gmail.com

Vanuatu

(OIE Focal Point)

Mr Lency Dick

Senior Aquaculture Officer Vanuatu Department of

Fisheries PMB 9045 Port Vila

Tel: 678 23 174 Fax: 678 23641

Email: Inc.kukan@gmail.com

Vietnam

(OIE Focal Point also NACA National Coordinator)

Dr Van Long Nguyen

Deputy Head

Aquatic Animal Health Division Department of Animal Health

Ministry of Agriculture and Rural Development

15, Lane 78, Giai Phong Road

Dong Da, Hanoi

Tel: 84-4-36290284 Fax: 84-4-36290286 E-mail: long.dahvn@gmail.com