			AQ	UATIC ANI	MAL DISEA	SE REPOR	Г - 2023							
Country/territory: NEW ZEALAND														
Item	Disease status/occurrence code a/c/									Epidemiologi-				
DISEASES PREVALENT IN THE REGION						Me	onth						Level of diagnosis	cal comment
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	diagnosis	numbers
WOAH-listed diseases														
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with infectious haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with red sea bream iridovirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
7. Infection with koi herpesvirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with tilapia lake virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non WOAH-listed diseases														
Grouper iridoviral disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
10. Viral encephalopathy and retinopathy	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
11. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
12. Carp Edema Virus Disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
MOLLUSC DISEASES														
WOAH-listed diseases														
Infection with Bonamia exitiosa	- (2022)	+?	- (2023)	- (2023)	- (2023)	+	- (2023)	- (2023)	- (2023)	- (2023)	- (2023)	- (2023)		1
2. Infection with Perkinsus olseni	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)		2
Infection with abalone herpesvirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
4. Infection with Xenohaliotis californiensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with Bonamia ostreae	+?	- (2023)	- (2023)	- (2023)	- (2023)	- (2023)	- (2023)	- (2023)	+?	- (2023)	- (2023)	- (2023)		3
Non WOAH-listed diseases														
6. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
7. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
CRUSTACEAN DISEASES														
WOAH-listed diseases														
Infection with Taura syndrome virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with white spot syndrome virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with yellow head virus genotype 1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with infectious hypodermal and haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with infectious myonecrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
6. Infection with Macrobrachium rosenbergii nodavirus (White Tail disease)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
7. Infection with Hepatobacter penaei (Necrotising hepatopancreatitis)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
9. Infection with Aphanomyces astaci (Crayfish plague)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
10. Infection with decapod iridescent virus 1 (DIV1)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non WOAH-listed diseases														
11.Hepatopnacreatic Microsporidiosis caused by Enterocytozoon hepatopenaei (HPM-EHP)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
12. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
13. Spiroplasma eriocheiris infection	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
AMPHIBIAN DISEASES														
WOAH-listed diseases	Ť													
Infection with Ranavirus species	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Infection with Batrachochytrium dendrobatidis	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)	- (2022)		4
3. Infection with Batrachochytrium salamandriyorans	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		

Prepared by:
Name: Rissa Williams and Giulia Raponi
Position: Senior Surveillance Advisor and Incursion Investigator
Date: 05/03/2024

ANY OTHER DISEASES OF IMPORTANCE

DISEASES PRESUMED EXOTIC TO THE REGION⁶
LISTED BY THE WOAH
Helderd or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus;
Infection with Gyrodacylus salaris.
Molluscs: Infection with Martellia refringens; Perkinsus marinus.

NOT LISTED BY THE WOAH
Finfish: Channel catfish virus disease

a/ Please use the following	ing occurrence code:		
Occurrence code and	Definition	Occurrence code and symbol	Definition
symbol			
Disease present +	The disease is present with clinical signs in the whole country (in domestic species or wildlife)	Disease absent	The disease was absent in the country during the reporting period (in domestic species or wildlife).
Disease limited to one	The disease is present with clinical signs, and limited to one or	-	reporting period (in domestic species or witdine).
or more zones +()	more zones/compartments (in domestic species or wildlife)	Never reported 0000	The disease has "never been reported" (historically absent) for the whole country in domestic species and
	Confirmed infestation or infection using diagnostic tests, but	0000	wildlife.
+?	no clinical signs observed (in domestic species or wildlife)		N. C
Infection/infestation limited to one or more zones +?()	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed and limited to one or more zones/compartments (in domestic species or wildlife)	No information	No information is available regarding the presence or the absence of this disease during the reporting period (in domestic species or wildlife).
Disease suspected	The presence of the disease was suspected but not confirmed (in domestic species or wildlife)		
Disease suspected but			
	The presence of the disease was suspected but not confirmed and limited to one or more zones/compartments (in domestic		
zones	species or wildlife)		
?()			
b/ If there is any change	s on historical data, please highlight in RED		

1. Epidemiological comments:					
(Comments should include: 1) Origin of the disease or pathogen (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogen (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas, 8) Preventive/control measures taken; 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories); 10) Published paper (articles in journals/website, etc). and 11) Unknown diseases: describe details as much as possible.)					
Comment No.					
1	1) Origin of the disease or pathogen (history of the disease): Detected via general surveillance 2) Species affected: wild flat oysters (Ostrea chilensis) 3) Disease characteristics (unusual clinical signs or lesions): n/a 4) Pathogen (isolated/sero-typed): Bonamia exitiosa 5) Mortality rate (high/low: decreasing/increasing): [insert estimated mortality rate or "low"] 6) Death toll (economic loss, etc): n/a 7) Size of infected areas or names of infected areas: Foveaux Strait, Southland 8) Preventive/control measures taken: n/a 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories): histopathology and ddPCR (National Institute Water and Atmospheric Research), histopatology and TaqMan qPCR (National Animal Health laboratory) 10) Published paper (articles in journals/website, etc): n/a 11) Unknown diseases: desorbe details as much as possible.): n/a 80 Agonamia exitiosa occurs in commercial flat oyster (Ostrea chilensis) beds in Foveaux Strait, Southland where it is highly prevalent and associated with mortalities in mid to late summer. It occurs intermittently around the 80 Bonamia exitiosa occurs in commercial flat oyster (Ostrea chilensis) beds in Foveaux Strait, Southland where it is highly prevalent and associated with mortalities in mid to late summer. It occurs intermittently around the 80 Bonamia exitiosa occurs in commercial flat oyster (Ostrea chilensis) beds in Foveaux Strait, Southland and the North Island of New Zealand. Bonamia exitiosa has been previously detected in flat oysters from Hauraki Gulf (Auckland region), Tauranga (Bay of Plenty region), the Marlborough Sounds and Wellington 1 Harbour (Southern end of the North Island). Annual monitoring of the presence of B. exitiosa infection is undertaken in the flat oyster population in the Foveaux Strait, from 63/150 commercially caught flat oysters, following reports of unusual high level of mortality during early winter.				
2	Perkinsus olseni was first detected in New Zealand in 1999, in wild wedge shells (Macomona liliana). It was then found in wild populations of New Zealand cockles (Austrovenus stutchburyi), ark shells (Barbatia novaezelandiae) and pipi (Paphies australis) in 2000-2001. In July 2013, P. olseni was detected for the first time in farmed black foot paus (Haliotis iris), an abalone species endemic to New Zealand. Further detections were made in wild H. iris populations in 2014. These molluse species occur widely around the coast of New Zealand, but to date P. olseni has only been detected in these species from the Auckland region northwards. Perkinsus olseni was found for the first time on the South Island in New Zealand scallops (Petra novaezelandiae) in November 2014, and then in wild New Zealand scallops (Petra novaezelandiae) in November 2014, been subject to these findings were in the Marlborough region, and were incidental and not associated with mortality vents. In November 2017, passive surveillance detected P. olseni New Zealand scallops in two will not support to the companies of the properties of the New York of the properties of the Properties of the Paperties of the Properties of the Properti				
3	1. Reported in Big Glory Bay and Foveaux Strait via targeted surveillance; 2. Species affected – wild flat oysters (Ostrea chilensis) 3. Clinical signs – n/a 4. Pathogen – Bonamia ostreae 5. Mortality rate – n/a 6. Economic loss – n/a 7. Geographic extent – Big Glory Bay, Stewart Island and Foveaux Strait (Southland) 8. Containment measures – n/a; 9. Laboratory confirmation – ddPCR (National Institute Water and Atmospheric Research), qPCR and nucleotide sequencing (National Animal Health Laboratory); 10. Publications – Report on the Bonamia ostrea Autumn Surveillance (see https://www.mpi.gov.tnz/dmsdocument/60013-Report-on-the-Bonamia-ostreae-Autumn-2023-Surveillance) Bonamia ostreae was detected for the first time in New Zealand flat cysters (Ostrea chilensis) in January 2015. It was found in two regions in the northern part of the South Island: on one land-based aquaculture facility in the Nelson region, and on two marine farms in the Marlborough region. Since that time, movement controls have been in place to regulate the movement of susceptible shellfish from the northern regions of the South Island and active surveillance has been conducted for the purposes of early detection of spread. In 2016, B. ostreae was detected in late to syster farms in Big Glory Bay. Stewart Island (situated in the Southland and active surveillance tesses of the South Island). No clinical signs or elevated mortality was observed in association with B. ostreae in marine flat cyster farms in Big Glory Bay. Stewart Island (situated in the Southland region, at the southern end of the South Island). No clinical signs or elevated mortality was observed in association with B. ostreae in marine flat cysters in Big Glory Bay. Following this detection, movement controls to manage risk within area when the B. ostreae in farmed flat oyster farms in Big Glory Bay. Sequent Island (situated in the Southland region, at the southern end of the South Island). No clinical signs or elevated mortality was observed in association with B. ostreae in fa				
4	The first isolation of Batrachochytrium dendrobatidis 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. In 2022, B. dendrobatidis was detected associated with the mortality of approximately 15 wild frogs from the Gisborne region, four wild green and golden bell frogs (Panoidea aurea) from the Manawatu-Whanganui region and six wild sick/dead green and golden bell frogs in the city of Auckland. Bell frogs are an introduced species of Australian frog that has established in New Zealand. (Bingham P (2022). Quarterly report of investigations of suspected exotic diseases: July to September. Surveillance 29 (4) 23–24).				
5					
2. New aquatic anin	nal health regulations introduced within past six months (with effective date):				