AQUATIC ANIMAL DISEASE REPORT - 2024														
Country/territory: NEW ZEALAND														
Item	Disease status/occurrence code a/c/								Level of	Epidemiologi- cal comment				
DISEASES PREVALENT IN THE REGION	Month										diagnosis			
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December		numbers
WOAH-listed diseases														
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000								
Infection with infectious haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000								
3. Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000								
Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000								
5. Infection with Aphanomyces invadans (EUS)	0000	0000	0000	0000	0000	0000								
Infection with red sea bream iridovirus	0000	0000	0000	0000	0000	0000								
7. Infection with koi herpesvirus	0000	0000	0000	0000	0000	0000								
Infection with tilapia lake virus	0000	0000	0000	0000	0000	0000								
Non WOAH-listed diseases														
Grouper iridoviral disease	0000	0000	0000	0000	0000	0000								
10. Viral encephalopathy and retinopathy	0000	0000	0000	0000	0000	0000								
11. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000								
12. Carp Edema Virus Disease	0000	0000	0000	0000	0000	0000								
MOLLUSC DISEASES														
WOAH-listed diseases														
1. Infection with Bonamia exitiosa	- (2023)	+	- (2024)	- (2024)	- (2024)	- (2024)								1
2. Infection with Perkinsus olseni	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)	- (2021)								2
Infection with abalone herpesvirus	0000	0000	0000	0000	0000	0000								
4. Infection with Xenohaliotis californiensis	0000	0000	0000	0000	0000	0000								
5. Infection with Bonamia ostreae	- (2023)	- (2023)	- (2023)	+?	- (2024)	- (2024)								3
Non WOAH-listed diseases	(====)	(====)	(====)		(===-)	(202.)								
6. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000								
7. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000								
CRUSTACEAN DISEASES	0000	0000	0000	0000	0000	0000								
WOAH-listed diseases													<b>†</b>	
Infection with Taura syndrome virus	0000	0000	0000	0000	0000	0000								
Infection with value syndrome virus	0000	0000	0000	0000	0000	0000								
Infection with white spot synthetic virus     Infection with yellow head virus genotype 1	0000	0000	0000	0000	0000	0000								
Infection with yellow head varies generated.      Infection with infectious hypodermal and haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000								
Infection with infectious myonecrosis virus	0000	0000	0000	0000	0000	0000								
Infection with infectious myonecrosis virus     Infection with Macrobrachium rosenbergii nodavirus (White Tail disease)	0000	0000	0000	0000	0000	0000								
7. Infection with Hepatobacter penaei (Necrotising hepatopancreatitis)	0000	0000	0000	0000	0000	0000								
Milection with riepatobacter penaet (Necrousing nepatopancreatitis)     Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	0000	0000	0000								
Acute nepatopancreatic necrosis disease (AHPND)     Infection with Aphanomyces astaci (Crayfish plague)	0000	0000	0000	0000	0000	0000								
Infection with Aphanomyces astact (Clayish plague)     Infection with decapod iridescent virus 1 (DIV1)	0000	0000	0000			0000								
Non WOAH-listed diseases	0000	0000	0000	0000	0000	0000								
11.Hepatopnacreatic Microsporidiosis caused by Enterocytozoon											_			
hepatopenaei (HPM-EHP)	0000	0000	0000	0000	0000	0000								
12. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000	0000	0000	0000								
13. Spiroplasma eriocheiris infection	0000	0000	0000	0000	0000	0000								
AMPHIBIAN DISEASES														
WOAH-listed diseases														
Infection with Ranavirus species	0000	0000	0000	0000	0000	0000								

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ANY OTHER DISEASES OF IMPORTANCE							
1							
2							

DISEASES PRESUMED EXOTIC TO THE REGION<sup>b</sup>
LISTED BY THE WOAH
Heldeted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus;
Infection with Orodacylus salaris.
Melluscs: Infection with Martella refringens; Perkinsus marinus.

NOT LISTED BY THE WOAH
Finfish: Channel catfish virus disease

g/ Please use the following occurrence code:						
Occurrence code and	Definition	Occurrence code and symbol	<b>Definition</b>			
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 or more zones +()	The disease is present with clinical signs, and limited to one or more zones/compartments (in domestic species or wildlife)	Never reported	The disease has "never been reported" (historically absent) for the whole country in domestic species and			
Infection/infestation +?	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed (in domestic species or wildlife)	0000	wildlife.			
Infection/infestation limited to one or more zones +?()	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed and limited to one or more zones/compartments (in domestic species or wildlife)	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  7 Disease suspected but	The presence of the disease was suspected but not confirmed (in domestic species or wildlife)					
not confirmed and limited to one or more zones ?()	The presence of the disease was suspected but not confirmed					
S: If there is any changes on historical data, please highlight in RED						

1. Epidemiological c	omments:
(Comments should inclu Preventive/control meas	de: 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 (highlow; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 8) area 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 targeted 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: describe details as much as possible): n/a 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 South Island 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 Harbour (Southern end of the North Island). Annual monitoring of the presence of B. exitiosa observed across the survey area.
2	Perkinsus olseni was first detected in New Zealand in 1999, in wild wedge shells (Macomona Illiana). 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 pāus (Haliotis iris), an abalone species endemic to New Zealand. Further detections were made in wild H. iris populations in 2014. These molluses 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 green lipped mussels (Perna canaliculus) in a land based aquaculture facility in September 2014, and then in wild New Zealand scallops (Pecten novaezelandiae) in November 2014. Both of these findings were in the Marborugh region, and were incidental and not associated with mortality events. In November 2017, passive surveillance detected P. olseni' from New Zealand scallops in two sites within Kaipara harbour, Auckland region, and again was thought to be incidental and not associated with mortality events. In November 2017, passive surveillance detected P. olseni' from New Zealand scallops in two sites within Kaipara harbour, Auckland region, and again was thought to be incidental and not associated with mortalities. In October 2019, P. olseni' was detected in P. olseni' man in incidental finding of P. olseni' in farmed green lipped mussels (Perna canaliculus) in the Coromandel region (North Island), that was not associated with mortalities. In October 2019, P. olseni' was detected in P. canaliculus in a land based aquaculture facility in Nelson that was experiencing low level mortalities. It remains unknown if P. olseni' was related to the mortalities in P. canaliculus in this case. In January – March 2021, P. olseni' was reported from a targeted survey of farmed greenlipped mussels in the Coroman
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/6. Economic loss – n/a 6. Economic loss – n/a 7. Geographic extent – Big Glory Bay, Stewart Island and Foveaux Strait (Southland) 8. Ontainment 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 Spring Surveillance (see https://www.mpi.govt.nz/dinsdocument/64218-Report-on-the-Bonamia-ostreae-Spring-2023-Surveillance-Survey-22}; Bonamia ostreae was detected for the first time in New Zealand flat oysters (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 Mariborough 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 both farmed and wild flat oysters within the Mariborough region (the same region as initially reported), and was associated with pathology and mortality in the farmed population. In May 2017 surveillance detected B. ostreae in marine flat oyster farms in Big Glory Bay. Stewart Island (situated in the Southlandard), No clinical signs or elevated mortality was observed in association with B. ostreae in marine flat oysters in Big Glory Bay. Following this detection, movement controls to manage risk movements from Stewart Island were issued, and depopulation of all flat oyster farms within areas where B. ostreae had been detected commenced. Depopulation of farms in Mariborough Sounds commenced where B. ostreae had been found previously, and were not associate
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.
5	
2. New aquatic anim	l regulations introduced within past six months (with effective date):