The list of pathogens of aquatic animal biosecurity concern was created to reflect the pathogens which pose a significant threat to aquatic animal health and are significant in the international trade of aquatic animals and animal products. This list was based on *Australia’s National List of Reportable Diseases of Aquatic Animals as well as appropriate risk reviews of aquatic commodities* and may be used for vaccines for aquatic species and other commodities containing material derived from aquatic species as deemed appropriate by the Department of Agriculture, Water and the Environment.

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| **PATHOGENS OF AQUATIC ANIMAL BIOSECURITY CONCERN** |
| **Animal species** | **Pathogen (disease agent)** | **Disease** |
| **Salmon** | *Aeromonas salmonicida* subsp. *Salmonicida* - including atypical strains  | Furunculosis, marine aeromonas disease |
| *Aliivibrio salmonicida* (*Vibrio salmonicida*) | Cold water vibriosis (haemorrhagic septicaemia) |
| *Carp sprivivirus*  | Spring viraemia of carp  |
| *Infectious pancreatic necrosis virus* (IPNV)  | Infectious Pancreatic Necrosis  |
| *Piscine novirhabdovirus* (Viral haemorrhagic septicaemia virus, VHSV) | Viral haemorrhagic septicaemia |
| *Piscirickettsia salmonis*  | Piscirickettsiosis  |
| *Renibacterium salmoninarum*  | Bacterial kidney disease  |
| Salmonid alphavirus (SAV) | Pancreas disease, Sleeping disease |
| Salmonid herpesvirus 2(*Oncorhynchus masou virus*) | Oncorhynchus masou virus disease |
| *Salmon isavirus* Including HPR-deleted or HPR0 infectious salmon anaemia virus  | Infectious Salmon Anaemia  |
| *Salmonid novirhabdovirus* (Infectious haematopoietic necrosis virus, IHNV) | Infectious Haematopoietic Necrosis |
| *Yersinia ruckeri* – Hagerman strain  | Enteric redmouth disease  |
| **Non-salmonid finfish** | *Aeromonas salmonicida* subsp. salmonicida - including atypical strains  | Furunculosis, various diseases including ulcer disease of goldfish and founder |
| *Aliivibrio salmonicida* (*Vibrio salmonicida*) | Cold water vibriosis (haemorrhagic septicaemia) |
| Aquabirnaviruses (*Yellowtail ascites virus*) | Various disease symptoms including ascites, deformity |
| *Carp sprivivirus* | Spring viraemia of carp |
| *Cyprinid herpesvirus 3* | Carp interstitial and gill nephritisKoi herpesvirus disease |
| *European catfish virus* (ECV)/European sheatfish virus)  | Epizootic haematopoietic necrosis  |
| *Ictalurid herpesvirus 1* (Channel catfish virus)  | Channel catfish virus disease  |
| Infectious spleen and kidney necrosis virus (ISKNV)  | Infectious spleen and kidney necrosis disease  |
| ISKNV-like viruses (Megalocytiviruses) | Various diseases  |
| *Piscine novirhabdovirus* (Viral haemorrhagic septicaemia virus, VHSV) | Viral haemorrhagic septicaemia |
| Piscine retrovirus (including Salmonid leukaemia virus and plasmacytoid leukaemia)  | Various diseases  |
| Red sea bream iridovirus (RSIV)  | Red sea bream iridovirus disease  |
| *Salmon isavirus* Including HPR-deleted or HPRO infectious salmon anaemia virus  | Infectious salmon anaemia  |
| *Salmonid novirhabdovirus* (Infectious haematopoietic necrosis virus, IHNV) | Infectious Haematopoietic Necrosis  |
| Singapore grouper iridovirus  | Grouper iridovirus disease/sleepy grouper disease  |
| *Yersinia ruckeri* – Hagerman strain  | Enteric redmouth disease  |
| **Molluscs** | Iridoviruses  | Various diseases |
| *Xenohaliotis californiensis*  | Withering syndrome of abalone  |
| **Crustaceans**  | *Aphanomyces astaci*  | Crayfish plague  |
| *Candidatus* Hepatobacter penaei  | Necrotising hepatopancreatitis  |
| *Decapod penstyldensovirus 1* (also known as Infectious hypodermal and haematopoietic necrosis virus (IHHNV))  | Infectious hypodermal and haematopoietic necrosis  |
| *Enterocytozoon hepatopenaei*  | Hepatopancreatic microsporidiosis  |
| Gill-associated virus  | Gill-associated virus disease  |
| Infectious myonecrosis virus (IMNV)  | Infectious myonecrosis  |
| Laem-Singh virus (LSNV)  | Monodon slow growth syndrome  |
| Taura syndrome virus (TSV)  | Taura syndrome  |
| *Vibrio parahaemolyticus* (VpAHPND) with PirA and PirB toxins  | Acute hepatopancreatic necrosis disease (AHPND)  |
| White spot syndrome virus (WSSV)  | White spot disease  |
| Yellow head virus (YHV) genotype 1  | Yellow head disease  |
| **Amphibians**  | *Batrachochytrium dendrobatidis*  | Chytridiomycosis  |
| *Bactrachochytrium salamandrivorans*  | Chytridiomycosis  |
| Ranaviruses  | Various diseases  |