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 nephritis  Koi 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 |