



# AQUATIC DISEASE GUIDE: EU ANIMAL HEALTH LAW

31/01/2024

## DESCRIPTION

This document provides an overview of aquatic diseases covered under EU Animal Health Law which entered into force on 21/04/2021. It outlines Ireland's health status for each disease and lists their susceptible and vector species. This has been prepared for information purposes only. For more detailed information, please consult the relevant EU legislation on <https://eur-lex.europa.eu/>

## SOURCE DOCUMENTS

Commission Implementing Regulation (EU) 2018/1882, as amended  
&  
Commission Implementing Decision (EU) 2021/260, as amended

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## Note on revised disease categorisation in new AHL

Under the 2021 EU animal health legislation, the Exotic/Non-Exotic categorisation for aquatic diseases which had been used under the Fish Health Directive 2006/88/EC no longer applies.

This has been replaced with the following set of categories which can be found in Article 1 of Commission Implementing Regulation (EU) 2018/1882:

<b>Disease Category</b>	<b>Definition</b>
A	listed disease that does not normally occur in the Union and for which immediate eradication measures must be taken as soon as it is detected, as referred to in Article 9(1)(a) of Regulation (EU) 2016/429
B	listed disease which must be controlled in all Member States with the goal of eradicating it throughout the Union, as referred to in Article 9(1)(b) of Regulation (EU) 2016/429
C	listed disease which is of relevance to some Member States and for which measures are needed to prevent it from spreading to parts of the Union that are officially disease-free or that have eradication programmes for the listed disease concerned, as referred to in Article 9(1)(c) of Regulation (EU) 2016/429
D	listed disease for which measures are needed to prevent it from spreading on account of its entry into the Union or movements between Member States, as referred to in Article 9(1)(d) of Regulation (EU) 2016/429
E	listed disease for which there is a need for surveillance within the Union, as referred to in Article 9(1)(e) of Regulation (EU) 2016/429.

## Note on Vector Species

Vector species are regarded as such when they are in contact with susceptible species through co-habitation e.g. at an establishment, or through a shared water supply.

Disease Name	Acronym	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
					Scientific Name	Common Name	Scientific Name	Common Name
Epizootic haematopoietic necrosis	EHN	A+D+E	Listed Disease	Declared Disease-Free	<i>Ameiurus melas</i>	Black Bullhead		
					<i>Bidyanus bidyanus</i>	Silver Perch		
					<i>Esox lucius</i>	Northern Pike		
					<i>Galaxias olidus</i>	Mountain Galaxias		
					<i>Gambusia affinis</i>	Western Mosquitofish / Gambezi		
					<i>Gambusia holbrooki</i>	Eastern Mosquitofish / Gambezi		
					<i>Macquaria australasica</i>	Macquarie Perch		
					<i>Melanotaenia fluviatilis</i>	Australian Rainbowfish		
					<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Perca fluviatilis</i>	Redfin Perch		
					<i>Sander lucioperca</i>	Zander / Sander / Pikeperch		
Infection with HPR-deleted infectious salmon anaemia virus	ISA	C+D+E	Listed Disease	Declared Disease-Free	<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Salmo salar</i>	Atlantic Salmon		
					<i>Salmo trutta</i>	Brown Trout		
Infectious haematopoietic necrosis	IHN	C+D+E	Listed Disease	Declared Disease-Free	<i>Esox lucius</i>	Northern Pike		
					<i>Onchorynchus clarkii</i>	Cutthroat Trout		
					<i>Oncorhynchus keta</i>	Chum Salmon		
					<i>Oncorhynchus kisutch</i>	Coho Salmon		
					<i>Oncorhynchus masou</i>	Masu Salmon / Cherry Trout		
					<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Oncorhynchus nerka</i>	Sockeye Salmon		
					<i>Oncorhynchus tshawytscha</i>	Chinook Salmon		
					<i>Salmo marmoratus</i>	Marble Trout		
					<i>Salvelinus namaycush</i>	North American Lake Trout		
					<i>Salmo salar</i>	Atlantic Salmon		
					<i>Salmo trutta</i>	Brown Trout		
					<i>Salvelinus alpinus</i>	Arctic Char		
<i>Salvelinus fontinalis</i>	North American Brook Trout							

Disease Name	Acronym	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
					Scientific Name	Common Name	Scientific Name	Common Name
Viral haemorrhagic septicaemia	VHS	C+D+E	Listed Disease	Declared Disease-Free	<i>Alosa immaculata</i>	Pontic Shad		
					<i>Ameiurus nebulosus</i>	Brown Bullhead Catfish		
					<i>Ambloplites rupestris</i>	Rock Bass		
					<i>Ammodytes hexapterus</i>	Pacific Sand Lance		
					<i>Aplodinotus grunniens</i>	Freshwater Drum		
					<i>Centrolabrus exoletus</i>	Rock Cook Wrasse		
					<i>Clupea harengus</i>	Atlantic Herring		
					<i>Clupea pallasii pallasii</i>	Pacific Herring		
					<i>Coregonus artedii</i>	Cisco		
					<i>Coregonus clupeaformis</i>	Lake Whitefish		
					<i>Coregonus lavaretus</i>	Lavaret		
					<i>Ctenolabrus rupestris</i>	Goldsinny Wrasse		
					<i>Cyclopterus lumpus</i>	Lumpfish / Lump sucker		
					<i>Cymatogaster aggregata</i>	Shiner Perch		
					<i>Dorosoma cepedianum</i>	Mud Shad		
					<i>Danio rerio</i>	Zebra Danio / Leopard Danio / Zebrafish		
					<i>Engraulis encrasicolus</i>	European Anchovy		
					<i>Esox lucius</i>	Northern Pike		
					<i>Esox masquinongy</i>	Muskellunge		
					<i>Fundulus heteroclitus</i>	Mummichog / Atlantic Killifish		
					<i>Gadus macrocephalus</i>	Pacific Cod		
					<i>Gadus morhua</i>	Atlantic Cod		
					<i>Gaidropsarus vulgaris</i>	Three-bearded Rockling		
					<i>Gasterosteus aculeatus</i>	Three-spined Stickleback		
					<i>Labrus bergylta</i>	Ballan Wrasse		
					<i>Labrus mixtus</i>	Cuckoo Wrasse		
					<i>Lampetra fluviatilis</i>	River Lamprey		
					<i>Lepomis gibbosus</i>	Pumpkinseed		
					<i>Lepomis macrochirus</i>	Bluegill		
					<i>Limanda limanda</i>	Common Dab		
					<i>Merlangius merlangus</i>	Whiting		
					<i>Micropterus dolomieu</i>	Smallmouth Bass		
<i>Micropterus salmoides</i>	Largemouth Bass							
<i>Micromesistius poutassou</i>	Blue Whiting							
<i>Morone americana</i>	White Perch							
<i>Morone chrysops</i>	White Bass							
<i>Morone saxatilis</i>	Striped Bass							
<i>Mullus barbatus</i>	Red Mullet							
<i>Neogobius melanostomus</i>	Round Goby							

Disease Name	Acronym	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
					Scientific Name	Common Name	Scientific Name	Common Name
Viral haemorrhagic septicaemia (continued)					<i>Notropis atherinoides</i>	Emerald Shiner		
					<i>Notropis hudsonius</i>	Spottail Shiner		
					<i>Oncorhynchus kisutch</i>	Coho Salmon		
					<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Oncorhynchus mykiss X kisutch hybrids</i>	Rainbow Trout X Coho Salmon Hybrids		
					<i>Oncorhynchus tshawytscha</i>	Chinook Salmon		
					<i>Paralichthys olivaceus</i>	Olive Flounder		
					<i>Perca flavescens</i>	Yellow Perch		
					<i>Pimephales notatus</i>	Bluntnose Minnow		
					<i>Pimephales promelas</i>	Fathead Minnow		
					<i>Platichthys flesus</i>	European Flounder		
					<i>Pleuronectes platessa</i>	European Plaice		
					<i>Pomatoschistus minutus</i>	Sand Goby		
					<i>Pomoxis nigromaculatus</i>	Black Crappie		
					<i>Raja clavata</i>	Thornback Ray		
					<i>Salmo marmoratus</i>	Marble Trout		
					<i>Salmo salar</i>	Atlantic Salmon		
					<i>Salmo trutta</i>	Brown Trout		
					<i>Salvelinus namaycush</i>	North American Lake Trout		
					<i>Sander vitreus</i>	Walleye		
					<i>Sardina pilchardus</i>	Sardine / European Pilchard		
					<i>Sardinops sagax</i>	Sardinops		
					<i>Scomber japonicus</i>	Chub Mackerel / Pacific Mackerel		
					<i>Scophthalmus maximus</i>	Turbot		
					<i>Solea senegalensis</i>	Senegalese Sole		
					<i>Sprattus sprattus</i>	European Sprat		
					<i>Symphodus melops</i>	Corkwing Wrasse		
					<i>Thaleichthys pacificus</i>	Eulachon / Candlefish		
					<i>Trachurus mediterraneus</i>	Mediterranean Horse Mackerel		
					<i>Trisopterus esmarkii</i>	Norway Pout		
<i>Thymallus thymallus</i>	European Grayling							
<i>Uranoscopus scaber</i>	Atlantic Stargazer							

Disease Name	Acronym	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
					Scientific Name	Common Name	Scientific Name	Common Name
Koi herpes virus disease*	KHV	E	Listed Disease & National Measures	Declared Disease-Free	All varieties and subspecies of <i>Cyprinus carpio</i> , and <i>Cyprinus carpio</i> hybrids e.g. <i>Cyprinus carpio</i> × <i>Carassius auratus</i> , <i>Cyprinus carpio</i> × <i>Carassius carassius</i>		<i>Carassius auratus</i>	Goldfish
							<i>Carassius gibelio</i>	Prussian Carp
							<i>Ctenopharyngodon idella</i>	Grass Carp
							<i>Gymnocephalus cernua</i>	Ruffe
							<i>Hypophthalmichthys molitrix</i>	Silver Carp
							<i>Rutilus rutilus</i>	Roach
							<i>Tinca tinca</i>	Tench
Spring Viraemia of Carp	SVC	National Measures	National Measures	Declared Disease-Free	<i>Aristichthys nobilis</i>	Bighead Carp	Not laid down in legislation	
					<i>Carassius auratus</i>	Goldfish		
					<i>Carassius carassius</i>	Crucian Carp		
					<i>Ctenopharyngodon idellus</i>	Grass Carp		
					<i>Cyprinus carpio</i>	Common / Koi Carp		
					<i>Hypophthalmichthys molitrix</i>	Silver Carp		
					<i>Silurus glanis</i>	Sheatfish		
					<i>Tinca tinca</i>	Tench		
<i>Leuciscus idus</i>	Orfe							
Bacterial Kidney Disease	BKD	National Measures	National Measures	Declared Disease-Free	All species of <i>Salmonidae</i>		Not laid down in legislation	
Infectious Pancreatic Necrosis	IPN	National Measures	None	Other	<i>Salvelinus fontinalis</i>	North American Brook Trout	Not laid down in legislation	
					<i>Salmo trutta</i>	Brown Trout		
					<i>Salmo salar</i>	Atlantic Salmon		
					<i>Pacific Salmon &amp; Trout species</i>	Oncorhynchus spp.		
					<i>Coregonus lavaretus</i>	Whitefish		
Infection with <i>Gyrodactylus salaris</i>	GS	National Measures	National Measures	Declared Disease-Free	<i>Salmo salar</i>	Atlantic Salmon	Not laid down in legislation	
					<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Salvelinus alpinus</i>	Arctic Char		
					<i>Salvelinus fontinalis</i>	North American Brook Trout		
					<i>Thymallus thymallus</i>	Grayling		
					<i>Salvelinus namaycush</i>	North American Lake Trout		
					<i>Salmo trutta</i>	Brown Trout		
Any species which has been in contact with these species								
Infection with salmonid alphavirus	SAV	National Measures	None	Other	<i>Salmo salar</i>	Atlantic Salmon	Not laid down in legislation	
					<i>Oncorhynchus mykiss</i>	Rainbow Trout		
					<i>Salmo trutta</i>	Brown Trout		

**\*NOTE:** As Koi Herpes Virus (KHV) has been downgraded to a Category E disease under EU Animal Health Law, national measures apply. This means that KHV-free health certification is required **for susceptible species only**.

Disease Name	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
				Scientific Name	Common Name	Scientific Name	Common Name
Infection with <i>Mikrocytos mackini</i>	A+D+E	Listed Disease	Declared Disease-Free	<i>Crassostrea gigas</i>	Pacific Oyster	<i>Crassostrea virginica</i>	Eastern Oyster
				<i>Crassostrea sikamea</i>	Kumamoto Oyster		
				<i>Ostrea edulis</i>	European Flat Oyster		
Infection with <i>Perkinsus marinus</i>	A+D+E	Listed Disease	Declared Disease-Free	<i>Crassostrea gigas</i>	Pacific Oyster		
				<i>Crassostrea virginica</i>	Eastern Oyster		
Infection with <i>Bonamia exitiosa</i>	C+D+E	Listed Disease	Other	<i>Crassostrea ariakensis</i>	Suminoe Oyster		
				<i>Crassostrea virginica</i>	Eastern Oyster		
				<i>Ostrea puelchana</i>	Argentine Flat Oyster		
				<i>Ostrea angasi</i>	Australian Mud Oyster		
				<i>Ostrea chilensis</i>	Chilean Flat Oyster		
				<i>Ostrea equestris</i>	Crested / Horse Oyster		
				<i>Ostrea edulis</i>	European Flat Oyster		
				<i>Ostrea lurida</i>	Olympia Oyster		
Infection with <i>Bonamia ostreae</i>	C+D+E	Listed Disease	Disease-free areas	<i>Crassostrea ariakensis</i>	Suminoe Oyster		
				<i>Ostrea chilensis</i>	Chilean Flat Oyster		
				<i>Ostrea edulis</i>	European Flat Oyster		
Infection with <i>Marteilia refringens</i>	C+D+E	Listed Disease	Declared Disease-Free	<i>Chamelea gallina</i>	Striped Venus Clam		
				<i>Ostrea edulis</i>	European Flat Oyster		
				<i>Ostrea stentina</i>	No common name		
				<i>Solen marginatus</i>	Grooved Razor Shell		
				<i>Xenostrobus securis</i>	Little Brown Mussel / Black Pygmy Mussel		
Ostreid herpesvirus 1 $\mu$ var (OsHV-1 $\mu$ Var)	National Measures	None	Other	<i>Crassostrea gigas</i>	Pacific Oyster	Not laid down in legislation	

Disease Name	Disease Category	Legislative Control	Ireland's Health Status	Susceptible Species		Vector Species	
				Scientific Name	Common Name	Scientific Name	Common Name
Infection with Taura syndrome virus	A+D+E	Listed Disease	Declared Disease-Free	<i>Metapenaeus ensis</i>	Greasyback Shrimp	<i>Episesarma mederi</i>	Three-Striped Crab
				<i>Penaeus aztecus</i>	Gulf Brown Shrimp	<i>Macrobrachium lanchesteri</i>	Riceland Prawn / Asian Glass Shrimp
				<i>Penaeus monodon</i>	Black Tiger Shrimp		
				<i>Penaeus setiferus</i>	Gulf White Shrimp		
				<i>Penaeus stylirostris</i>	Pacific Blue Shrimp		
				<i>Penaeus vannamei</i>	Pacific White Shrimp		
Infection with yellow head virus	A+D+E	Listed Disease	Declared Disease-Free	<i>Metapenaeus affinis</i>	Jinga Shrimp		
				<i>Penaeus monodon</i>	Black Tiger Shrimp		
				<i>Palaemonetes pugio</i>	Daggerblade Grass Shrimp		
				<i>Penaeus stylirostris</i>	Pacific Blue Shrimp		
				<i>Penaeus vannamei</i>	Pacific White Shrimp		
Infection with white spot syndrome virus	C+D+E	Listed Disease	Not known to be infected	All decapod crustaceans (order <i>Decapoda</i> )			



## Legislative Basis

Type	Reference	Description
<i>Primary</i>	<a href="#">Regulation (EU) 2016/429</a>	The Animal Health Law
<i>Implementing Act</i>	<a href="#">Commission Implementing Regulation (EU) 2018/1882</a>	Listed diseases
<i>Amended by</i>	<a href="#">Commission Implementing Regulation (EU) 2022/925</a>	
<i>Amended by</i>	<a href="#">Commission Implementing Regulation (EU) 2024/216</a>	
<i>Implementing Act</i>	<a href="#">Commission Implementing Decision (EU) 2021/260</a>	National measures
<i>Amended by</i>	<a href="#">Commission Implementing Decision (EU) 2022/181</a>	
<i>Amended by</i>	<a href="#">Commission Implementing Decision (EU) 2022/1188</a>	
<i>Amended by</i>	<a href="#">Commission Implementing Decision (EU) 2023/749</a>	