

Invasive Non-Native Species (INNS) of Interest to Wales November 2021

This list of INNS of interest to Wales includes EU IAS (updated with new listings 20Oct19), Wales contingency plan, WBP Species for Action, GBNNS Alert Species (update 20Oct19), NRW SMNR, WCA Sched 9 Part 1 and Part 2 (not Part 1A or 1B), Welsh marine monitoring and surveillance high and medium risk species, MSFD priority species, WFD UKTAG alarm species and WFD UKTAG impact species. Originally compiled by NRW and NBN Trust for the INNS portal NBN Atlas Wales (<https://wales-species-inns.nbnatlas.org/>) July 2018, updated 21 August 2020. (Corrections: April 2021 Procambus fallax f. virginialis replaced Procambus fallax on GB Alert list, 29 November 2021 Stipa neesiana listed as Nassella neesiana, 10 species in the spreadsheet marked as being on Wales INNS interest list).

Scientific name	Author	Synonym	Common name	TVK (UKSI)	Wales INNS interest list	WBP Species for Action	EU IAS	NRW SMNR	WCA Schedule 9	Contingency	GB NNS Alert	MSFD priority	Marine	WFD impact	WFD alarm
<i>Acacia saligna</i>	(Labill.) H.L.Wendl.	<i>Acacia cyanophylla</i>	Golden wreath wattle	NHMSYS0021239024	Y		Y	Y							
<i>Acaena novae-zelandiae</i>	Kirk	<i>Acaena sanguisorbae</i> , <i>Acaena anserinifolia</i>	Pirri-Pirri-Bur	NBNSYS0000031916	Y	Management		Y							
<i>Acartia (Acanthacartia) tonsa</i>	Dana, 1849			NHMSYS0021050849	Y							Y		Unknown	
<i>Achtheres percarum</i>	Nordmann, 1832	<i>Achtheres percarum</i>		NHMSYS0021052521	Y									Unknown	
<i>Acorus calamus</i>	L.		Sweet-Flag	NBNSYS0000002348	Y									Low	
<i>Acridotheres tristis</i>	(Linnaeus, 1766)		Common myna	NHMSYS0020789004	Y		Y	Y							
<i>Aqardiella subulata</i>	(C. Agardh) Kraft & M.J. Wynne, 1979			NHMSYS0021060209	Y									Unknown	
<i>Aqrilus planipennis</i>	Fairmaire, 1888		Emerald Ash Borer	NHMSYS0021109580	Y			Y							
<i>Ailanthus altissima</i>	(Mill.) Swingle	<i>Toxicodendron altissimum</i>	Tree of heaven	NHMSYS0000455700	Y		Y	Y							
<i>Aix galericulata</i>	(Linnaeus, 1758)		Mandarin Duck, Mandarin	NHMSYS0000530137	Y				Y						
<i>Aix sponsa</i>	(Linnaeus, 1758)		Carolina Wood Duck, North American Wood Duck, Wood Duck	NHMSYS0000532723	Y				Y						
<i>Alectoris chukar</i>	(Gray, 1830)		Chukar, Chukar Partridge	NHMSYS0000532731	Y				Y						
<i>Alectoris graeca</i>	(Meisner, 1804)		Rock Partridge	NHMSYS0000532735	Y				Y						
<i>Alexandrium catenella</i>	(Whedon & Kofoid) Balech, 1985			NHMSYS0021057753	Y							Y			
<i>Allium paradoxum</i>	(M. Bleb.) G. Don	<i>Scilla paradoxa</i>	Few-Flowered Garlic, Few-Flowered Leek	NHMSYS0000455760	Y				Y						
<i>Allium triquetrum</i>	L.		Three-Cornered Garlic, Three-Cornered Leek	NBNSYS0000002203	Y				Y						
<i>Alopochea aegyptiacus</i>	(Linnaeus, 1766)	<i>Anser aegyptiacus</i>	Egyptian Goose	NHMSYS0001689380	Y		Y	Y							
<i>Alternanthera philoxeroides</i>	Griseb.		Alligator Weed	NHMSYS0021196563	Y		Y	Y		Y					
<i>Alytes obstetricans</i>	(Laurenti, 1768)		Midwife Toad	NHMSYS0000080161	Y				Y						
<i>Ambloplites rupestris</i>	(Rafinesque, 1817)		Rock Bass	NHMSYS0000544613	Y				Y						
<i>Amelurus melas</i>	(Rafinesque, 1820)		Black Bullhead	NHMSYS0000544615	Y	Prevention		Y		Y				Unknown	
<i>Ammonothea hilgendorfi</i>	(Böhme, 1879)			NBNSYS0000179052	Y									Unknown	
<i>Amphibalanus amphitrite</i>	(Darwin, 1854)	<i>Balanus amphitrite</i>		NHMSYS0021052693	Y							Y	Surveillance: high	Unknown	
<i>Amphibalanus reticulatus</i>	Utinomi, 1967			NHMSYS0021199369	Y							Y			
<i>Andropogon virginicus</i>	L.		Broomsedge bluestem	NHMSYS0021239036	Y		Y	Y							
<i>Anoplophora glabripennis</i>	(Motschulsky, 1853)		Asian Longhorn Beetle	NHMSYS0020972538	Y			Y							
<i>Anser canagicus</i>	(Sevastianov, 1802)	<i>Chen canagica</i> , <i>Anser canagica</i>	Emperor Goose	NHMSYS0000532799	Y				Y						
<i>Anser indicus</i>	(Latham, 1790)		Bar-Headed Goose	NHMSYS0000532807	Y				Y						
<i>Antithamnionella spirographidis</i>	(Schiffner) E.M. Wollaston, 1968			NHMSYS0021059816	Y									Unknown	
<i>Antithamnionella tenuifolia</i>	(J.D. Hooker & Harvey) Lyle, 1922			NHMSYS0021059817	Y									Unknown	
<i>Aponogeton distachyos</i>	L. f.		Cape Pondweed	NHMSYS0000455997	Y									Low	
<i>Arthurdendylus triangulatus</i>	(Dendy, 1895)	<i>Artioposthia triangulata</i> , <i>Artioposthia triangulata</i>	New Zealand Flatworm	NHMSYS0021008370	Y		Y	Y	Y						
<i>Asclepias syriaca</i>	L.		Common Milkweed	NHMSYS0021196575	Y		Y	Y							
<i>Asparagopsis armata</i>	Harvey, 1855	<i>Falkenbergia rufolanosa</i>	Harpoon Weed	NHMSYS0021059726	Y				Y					Unknown	
<i>Astacus astacus</i>	(Linnaeus, 1758)	<i>Cancer astacus</i>	Noble Crayfish	NHMSYS0000377491	Y				Y					Low	
<i>Astacus leptodactylus</i>	Eschscholtz, 1823		Turkish Crayfish	NHMSYS0000377492	Y				Y					Low	
<i>Asterias amurensis</i>	Lütken, 1871			NHMSYS0021054050	Y							Y			
<i>Asterocarpa humilis</i>	(Heller, 1878)		Compass Sea Squirt	NHMSYS0021002915	Y								Monitoring: high		
<i>Aulacomya ater</i>	(Molina, 1782)		Magellan Mussel	NHMSYS0021109616	Y									Low	
<i>Australoplana sanguinea</i>	(Moseley, 1877)	<i>Geoplana sanguinea</i>		NHMSYS0020744893	Y				Y						
<i>Austrominius modestus</i>	(Darwin, 1854)	<i>Elimnius modestus</i>		NHMSYS0021006592	Y									Low	
<i>Azolla filiculoides</i>	Lam.	<i>Azolla filiculoides</i> var. <i>filiculoides</i> , <i>Azolla pinnata</i> , <i>Azolla caroliniana</i>	Water Fern	NBNSYS0000002090	Y	Long-term management		Y	Y					High	
<i>Baccharis halimifolia</i>	L.		Tree Groundsel	NBNSYS0000142699	Y	Prevention	Y	Y		Y					
<i>Biddulphia sinensis</i>	Greville, 1866	<i>Odontella sinensis</i>		NHMSYS0000547996	Y									Unknown	

<i>Cotoneaster integrifolius</i>	(Roxb.) G. Klotz	<i>Cotoneaster thymifolius</i> , <i>Crataegus integrifolia</i> , <i>Cotoneaster microphyllus</i> , <i>Cotoneaster microphyllus</i>	Entire-Leaved Cotoneaster, Rockspray	NHMSYS0000457600	Y	Long-term management	Y	Y									
<i>Cotoneaster microphyllus</i>	Wall. ex Lindl.		Small-Leaved Cotoneaster	NHMSYS0100001112	Y	Long-term management	Y	Y									
<i>Cotoneaster simonsii</i>	Baker		Himalayan Cotoneaster, Khasia Berry	NBNSYS0000003424	Y	Long-term management	Y	Y									
<i>Crangonyx pseudogracilis</i>	Bousfield, 1958			NBNSYS0000013808	Y												Low
<i>Craspedacusta sowerbii</i>	Lankester, 1880			NHMSYS0021053976	Y												Unknown
<i>Crassula helmsii</i>	(Kirk) Cockayne	<i>Tillaea helmsii</i> , <i>Crassula recurva</i> , <i>Tillaea recurva</i> , <i>Tillaea recurva</i>	New Zealand Pygmyweed	NBNSYS0000004639	Y	Long-term management	Y	Y									High
<i>Crepidula fornicata</i>	(Linnaeus, 1758)		Slipper Limpet, American Slipper Limpet	NBNSYS0000174750	Y		Y	Y			Y	Monitoring: high					High
<i>Crococsmia pottsii x aurea = C. x crocosmiiflora</i>	(Lemoine) N.E. Br.	<i>Crococsmia x crocosmiiflora</i> , <i>Crococsmia x crocosmiiflora</i> (C. aurea x pottsii), <i>Tritonia x crocosmiiflora</i> , <i>Montbretia x crocosmiiflora</i> , <i>Crucosmia x crocosmiiflora</i> , <i>Tritonia x crocosmiiflora</i> , <i>Crococsmia x crocosmiiflora</i> , <i>Montbretia x crocosmiiflora</i> , <i>Crucosmia x crocosmiiflora</i> , <i>Crucosmia aurea x pottsii</i> , <i>Tritonia x crocosmiiflora</i>	Montbretia	NHMSYS0001754398	Y		Y	Y									Low
<i>Ctenopharyngodon idella</i>	(Valenciennes, 1844)		White Amur, Chinese Grass Carp, Grass Carp	NHMSYS0020752132	Y												Low
<i>Cygnus atratus</i>	(Latham, 1790)		Black Swan	NHMSYS00000532895	Y			Y									
<i>Cynomys</i>	Rafinesque, 1817			NHMSYS00000376570	Y			Y									
<i>Cynomys ludovicianus</i>	(Ord, 1815)		Black-Tailed Prairie Dog	NHMSYS0021109663	Y												
<i>Cyprinus carpio</i>	Linnaeus, 1758		Carp, Common Carp	NHMSYS00000544665	Y												Waiting list
<i>Dendrostrea frons/Saccostrea frons</i>				To be added to UKSI	Y						Y						
<i>Diadumene lineata</i>	(Verrill, 1869)	<i>Haliplanella lineata</i>	Orange-Striped Anemone	NHMSYS0020770700	Y						Y	Monitoring: medium					Unknown
<i>Didemnum vexillum</i>	Kott, 2002			NHMSYS0020545709	Y		Y				Y	Monitoring: high					High
<i>Dikergammarus bispinosus</i>	Martynov, 1925			NHMSYS0020954949	Y												Y
<i>Dikergammarus haemobaphes</i>	(Eichwald, 1841)		Demon Shrimp	NHMSYS0021050246	Y	Long-term management	Y										High
<i>Dikergammarus villosus</i>	(Sowinsky, 1894)		Killer Shrimp	NHMSYS0020475521	Y	Long-term management	Y										High
<i>Disphyma crassifolium</i>	(L.) L. Bolus	<i>Disphyma australe</i> , <i>Disphyma australe</i> , <i>Mesembryanthemum crassifolium</i>	Purple Dewplant	NHMSYS0000458125	Y	Management	Y	Y									
<i>Dreissena bugensis</i>	Andrusov, 1897	<i>Dreissena rostriformis bugensis</i>	Quagga Mussel	NHMSYS0020475523	Y	Prevention	Y		Y								Waiting list
<i>Dreissena polymorpha</i>	(Pallas, 1771)		Zebra Mussel	NBNSYS0000006809	Y		Y										High
<i>Dryocosmus kuriphilus</i>	Yasumatsu, 1951		Chestnut Gall Wasp	NHMSYS0021117883	Y		Y										
<i>Dyspanopeus sayi</i>	(Smith, 1869)	<i>Neopanope sayi</i>		NHMSYS0021049663	Y						Y						
<i>Echinogammarus ischnus</i>	(Stebbing, 1899)			NHMSYS0020954958	Y		Y		Y								Unknown
<i>Echinogammarus trichiatus</i>	(Martynov, 1932)			NHMSYS0020954960	Y		Y		Y								Unknown
<i>Egeria densa</i>	Planch.	<i>Elodea densa</i>	Large-Flowered Waterweed	NHMSYS0000458284	Y												Moderate
<i>Egeria najas</i>	Planch.			NHMSYS0021199230	Y												Y
<i>Ehrharta calycina</i>	Sm.		Perennial veldtgrass	NHMSYS0000458286	Y		Y	Y									
<i>Eichhornia crassipes</i>	(Mart.) Solms		Water-Hyacinth	NHMSYS0000458290	Y		Y	Y		Y							Low

<i>Pseudochattonella verruculosa</i>	(Y.Hara & M.Chihara) S.Tanabe-Hosoi, D.Honda, S.Fukaya, Y.Inagaki & Y.Sako, 2007			NHMSYS0021199411	Y							Y			
<i>Pseudorasbora parva</i>	(Temminck and Schlegel, 1846)		Topmouth Gudgeon	NHMSYS0000544730	Y	Management	Y	Y			Y				High
<i>Psittacula krameri</i>	(Scopoli, 1769)		Ring-Necked Parakeet, Rose-Ringed Parakeet	NHMSYS0000530792	Y				Y						
<i>Pudu puda</i>	(Molina, 1782)			NHMSYS0021199218	Y										
<i>Pueraria montana var. lobata</i>	(Willd.) Saniappa & Pradeep	<i>Pueraria lobata</i>	Kudzu	NHMSYS0021177458	Y		Y	Y		Y					
<i>Rapana venosa</i>	(Valenciennes, 1846)			NHMSYS0020955240	Y			Y		Y		Y	Surveillance: high		
<i>Rattus rattus</i>	(Linnaeus, 1758)		Black Rat, Ship Rat	NHMSYS0000080213	Y				Y						
<i>Rhithropanopeus harrisi</i>	(Gould, 1841)			NBNSYS0000186554	Y										Unknown
<i>Rhodeus amarus</i>	(Bloch, 1782)	<i>Rhodeus sericeus</i> subsp. <i>amarus</i>	Bitterling	NHMSYS0001692008	Y										Unknown
<i>Rhodeus sericeus</i>	(Pallas, 1776)			NHMSYS0000544734	Y				Y						
<i>Rhododendron luteum</i>	Sweet		Yellow Azalea, Yellow Rhodea	NBNSYS0000003889	Y			Y	Y						
<i>Rhododendron ponticum</i>	L.			NBNSYS0000003888	Y	Long-term management		Y	Y						High
<i>Rhododendron ponticum x</i> <i>Rhododendron maximum</i>				NHMSYS0020744917	Y	Long-term management			Y						High
<i>Robinia pseudoacacia</i>	L.		False-Acacia, False Acacia, Locust	NBNSYS0000003265	Y				Y						
<i>Rosa rugosa</i>	Thunb.		Japanese Rose	NHMSYS0000462477	Y	Long-term management		Y	Y						
<i>Sagittaria latifolia</i>	Willd.		Duck-Potato, Duck Potato	NBNSYS0000002106	Y				Y						
<i>Salvelinus fontinalis</i>	(Mitchell, 1814)		Char, Speckled Charr, American Brook Trout, Brook Charr, Brook Trout	NHMSYS0000544752	Y										Unknown
<i>Salvinia molesta</i>	Mitchell			NHMSYS0020744923	Y		Y	Y	Y						
<i>Sander lucioperca</i>	(Linnaeus, 1758)	<i>Stizostedion lucioperca</i>	Zander, Pikeperch	NHMSYS0000544754	Y			Y	Y						Moderate
<i>Sargassum muticum</i>	(Yendo) Fensholt, 1955		Wireweed	NHMSYS0021058667	Y				Y		Y	Monitoring: medium	Low		
<i>Sarracenia purpurea</i>	L.		Pitcherplant	NBNSYS0000003523	Y	Prevention		Y		Y					
<i>Schizoporella errata</i>	(Waters, 1878)			NBNSYS0000186865	Y										Y
<i>Schizoporella japonica</i>	Ortmann, 1890			NHMSYS0021053022	Y							Monitoring: medium			
<i>Sciurus carolinensis</i>	Gmelin, 1788		Eastern Grey Squirrel	NHMSYS0000332764	Y	Long-term management	Y	Y							
<i>Sciurus niger</i>	Linnaeus, 1758		Fox Squirrel	NHMSYS0021177645	Y		Y	Y		Y					
<i>Silurus glanis</i>	Linnaeus, 1758		Wels, Wels Catfish, Cattfish, Danube Catfish	NHMSYS0000544758	Y			Y	Y						Unknown
<i>Smyrniolum perfoliatum</i>	L.		Perfoliate Alexanders	NBNSYS0000003653	Y				Y						
<i>Soleria chordalis</i>	(C.Aqardh) J.Aqardh, 1842			NHMSYS0021060213	Y										Unknown
<i>Spartina anglica</i>	C.E. Hubb.	<i>Spartina x townsendii</i> var. <i>anglica</i> , <i>Spartina</i> <i>townsendii</i> , <i>Spartina</i> <i>townsendii</i> , <i>Spartina x</i> <i>townsendii</i> var. <i>anglica</i>	Common Cord-Grass	NHMSYS0000463855	Y						Y				High
<i>Stipa neesiana</i>	Trin. & Rupr.	<i>Nassella neesiana</i>	American Needle-Grass	NBNSYS0000014862	Y				Y	Y					
<i>Styela clava</i>	Herdman, 1881		Leathery Sea Squirt	NBNSYS0000178204	Y						Y	Monitoring: medium	High		
<i>Symaticus reevesii</i>	(Gray, 1829)		Reeves's Pheasant	NHMSYS0000533791	Y				Y						
<i>Tadorna ferruginea</i>	(Pallas, 1764)	<i>Tadorna casarca</i> , <i>Tadorna rutila</i>	Ruddy Shelduck	NHMSYS0000530654	Y				Y						
<i>Tamias sibiricus</i>	(Laxmann, 1769)		Siberian Chipmunk	NHMSYS0021109804	Y	Prevention	Y	Y		Y	Y				
<i>Telmatogiton japonicus</i>	Tokunaga, 1933			NBNSYS0100005753	Y						Y				
<i>Thalassiosira tealata</i>	Takano, 1980			NHMSYS0021058298	Y										Unknown
<i>Thaumetopoea pityocampa</i>	([Denis & Schiffermüller], 1775)		Pine Processionary	NHMSYS0021144336	Y			Y							
<i>Theora lubrica</i>	Gould, 1861		Window Shell	NHMSYS0021177787	Y										Y
<i>Threskiornis aethiopicus</i>	(Latham, 1790)		Sacred Ibis	NHMSYS0000534047	Y	Prevention	Y	Y		Y	Y				
<i>Tracheliastes polycolpus</i>	von Nordmann, 1832			NHMSYS0001593915	Y										Unknown
<i>Trachemys scripta</i>	(Schoepff, 1792)	<i>Chrysemys scripta</i>	Red-Eared Terrapin	NHMSYS0000080227	Y		Y	Y							
<i>Triadica sebifera</i>	(L.) Small	<i>Sapium sebiferum</i>	Chinese tallow	NHMSYS0021239108	Y		Y	Y							
<i>Triturus carnifex</i>	(Laurenti, 1768)		Italian Warty Newt, Italian Crested Newt	NHMSYS0000080155	Y					Y					
<i>Tsuga heterophylla</i>	(Raf.) Sarg.	<i>Tsuga mertensiana</i> , <i>Tsuga albertiana</i> , <i>Abies</i> <i>heterophylla</i>	Western Hemlock	NBNSYS0000004672	Y			Y							

