

Proposed Policy on Invasive Non-Native Species relevant to Guernsey

Scope

For the purposes of this policy, the following definition will apply:

'Non-native species' means any live specimen of a species, subspecies or lower taxon of animals, plants, fungi or micro-organisms introduced outside its natural range; it includes any part, gametes, seeds, eggs or propagules of such species, as well as any hybrids, varieties or breeds that might survive and subsequently reproduce.

“Animal” includes any vertebrate or invertebrate animal.

The policy shall not apply to species changing their natural range without human intervention, in response to changing ecological conditions and climate change;

Overarching Policy Objective

Strategy for Nature - Objective 6: Reduce pressures on nature and ensure the resilience of our natural capital and assets.

The development of measures to respond to ecosystem pressures in order to prevent catastrophic consequences to the natural environment of the Island and potential economic and public health impacts is a means to give effect to this Objective.

A policy on the importation of non-native species is intended to provide one measure by which to respond to those pressures.

Establishment of a List of Invasive Non-Native Species relevant to Guernsey

Species may be included on the list if they meet the following criteria:

1. They are not native to Guernsey, and;
2. They are capable of establishing a viable population and spreading in the environment in Guernsey under current conditions and in foreseeable climate change conditions, and;
3. Taking account of any relevant scientific evidence and a risk assessment, it is considered that they will have:
 - a) a significant adverse effect on native biodiversity and ecosystems, including:
 - i) damage or disruption of habitats and ecosystems,
 - ii) predation on, or competition for resources with, native species leading to a significant reduction or the elimination of such species,

- iii) the introduction of pests or diseases that will have a serious effect on native species, and
 - iv) hybridisation with native species or otherwise affecting the genetic integrity of native species,
- b) and/or a significant adverse effect on economic and recreational activity, including:
 - i) damage to, or the destruction of, commercial crops,
 - ii) damage to structures, infrastructure, utilities or sporting and recreational facilities, and
 - iii) the introduction of pests or diseases that will have a serious effect on farmed animals, including aquaculture animals, or animals kept as pets or for recreational or other commercial purposes, and
- c) and/or a significant adverse effect on public health, including,
 - i) the introduction of pests and diseases,
 - ii) increasing the risk of allergies, and
 - iii) nuisance.

A species may be included on the list, even though examples are already present in the Island on the basis that it is necessary to minimise the adverse effect of species that are already present by not adding to the extant population.

Amendment of the List

The list may be amended, taking account of any relevant scientific evidence and on the basis of a risk assessment.

Risk Assessment

The purpose of a risk assessment is to identify a hazard, by means of horizon-scanning, to determine whether a species is a threat and if so, to determine whether a species meets the criteria list above.

A risk assessment shall include the following elements:

- (a) a description of the species with its taxonomic identity, its history, and its natural and potential range,

- (b) a description of its reproduction and spread patterns and dynamics including an assessment of whether the environmental conditions necessary for its reproduction and spread exist in Guernsey,
- (c) a description of the potential pathways of introduction and spread of the species, both intentional and unintentional,
- (d) an assessment of the risk of introduction, establishment and spread in relevant current climactic conditions and in foreseeable climate change conditions,
- (e) a description of the current distribution of the species, including whether the species is already present in Guernsey or in neighbouring countries or territories, and a projection of its likely future distribution,
- (f) an assessment of the potential adverse impacts, including on native species, protected sites, endangered habitats, as well as on human health and the economic and recreational activity, and
- (g) an assessment of the known uses for the species and social and economic benefits deriving from those uses.

A risk assessment shall take account of any relevant scientific evidence.

Annual Report

The Committee shall be provided with an annual report explaining any changes to the list.

Control of Invasive Non-Native Species

Animals:

An application for an import licence for an animal on the list of invasive non-native species relevant to Guernsey would not be granted.

Plants:

The list of plant species will be used to inform internal government policies and the terms of relevant government leases and licences and to liaise with the retail sector to encourage the removal of the relevant species from sale or distribution.

List of Invasive Non-Native Species

Animals

		Ecological Risk	Economic Risk	Health risk
Invertebrates				
<i>Aedes albopictus</i>	(Asian tiger mosquito)		X	X
<i>Aethina tumida</i>	(Small hive beetle)	X		
<i>Agrilus planipennis</i>	(Emerald ash borer)	X	X	
<i>Anoplophora chinensis</i>	(Citrus longhorn beetle)	X	X	
<i>Anoplophora glabripennis</i>	(Asian longhorn beetle)	X	X	
<i>Aromia bungii</i>	(Red-necked longhorn beetle)	X	X	
<i>Arthurdendyus triangulatus</i>	(New Zealand flatworm)	X		
<i>Astacus astacus</i>	(Noble crayfish)	X		
<i>Astacus leptodactylus</i>	(Turkish crayfish)	X		
<i>Camponotus ligniperda</i>	(Carpenter ant)	X		
<i>Cherax species, including destructor/quadricarinatus</i>	(Common yabby) (Australian red claw crayfish)	X		
<i>Corbicula fluminea</i>	(Asian clam)		X	
<i>Dendroctonus micans</i>	(Great spruce bark beetle)	X	X	
<i>Dikerogammarus bispinosus</i>	(An amphipod)	X		
<i>Dikerogammarus haemobaphes</i>	(Demon shrimp)	X		
<i>Dikerogammarus villosus</i>	(Killer shrimp)	X		
<i>Dreissena polymorpha</i>	(Zebra mussel)		X	
<i>Dreissena rostriformis bugensis</i>	(Quagga mussel)		X	
<i>Faxonius rusticus</i>	(Rusty crayfish)	X		
<i>Faxonius limosus</i>	(Spiny-cheek crayfish)	X		
<i>Leptinotarsa decemlineata</i>	(Colorado beetle)		X	
<i>Myrmica rubra</i>	(European fire ant)		X	
<i>Pomacea canaliculata</i>	(Golden Apple Snail)	X		X
<i>Pomacea maculata</i>	(Giant Apple Snail)	X		X
<i>Potamopyrgus antipodarum</i>	(New Zealand mud snail)	X	X	
<i>Procambarus acutus acutus</i>	(White river crayfish)	X		
<i>Procambarus clarkii</i>	(Red swamp crayfish)	X		
<i>Procambarus fallax f. virginialis</i>	(Marbled crayfish)	X		
<i>Thaumetopoea pityocampa</i>	(Pine processionary moth)	X	X	X
<i>Thaumetopoea processionea</i>	(Oak processionary moth)	X	X	X
<i>Vespa mandarinia</i>	(Asian giant hornet)	X	X	X
<i>Vespa velutina</i>	(Asian hornet)	X	X	X
Birds				
<i>Acridotheres cristatellus</i>	(Crested myna)	X		
<i>Acridotheres tristis</i>	(Common myna)	X		
<i>Alopochen aegyptiaca</i>	(Egyptian goose)	X		
<i>Bubo bubo</i>	(Eagle owl)	X		X

<i>Corvus splendens</i>	(Indian house crow)	X		
<i>Cygnus atratus</i>	(Black swan)	X		
<i>Oxyura jamaicensis</i>	(Ruddy duck)	X		
<i>Psittacula eupatria</i>	(Alexandrine parakeet)		X	
<i>Psittacula krameri</i>	(Rose-ringed parakeet)		X	
<i>Threskiornis aethiopicus</i>	(African sacred ibis)	X		
Mammals				
<i>Axis axis</i>	(Chital deer)	X		X
<i>Callosciurus erythraeus</i>	(Pallas' squirrel)	X	X	X
<i>Callosciurus finlaysonii</i>	(Finlayson's squirrel)	X	X	X
<i>Capra hircus</i>	(Feral goat)	X		
<i>Cervus nippon</i>	(Sika deer)	X		X
<i>Dama dama</i>	(Fallow deer)	X		X
<i>Glis glis</i>	(Edible dormouse)		X	X
<i>Herpestes javanicus</i>	(Small Asian mongoose)	X	X	X
<i>Hydropotes inermis</i>	(Chinese water deer)	X		X
<i>Macropus fufogriseus</i>	(Red necked wallaby)	X		
<i>Mephitis mephitis</i>	(Skunk)	X		
<i>Muntiacus reevesi</i>	(Muntjac deer)	X		X
<i>Myocastor coypus</i>	(Coypu)	X		
<i>Neovison vison</i>	(American mink)	X	X	X
<i>Nyctereutes procyonoides</i>	(Raccoon dog)	X		X
<i>Odocoileus virginianus</i>	(White tailed deer)	X		X
<i>Ondatra zibethicus</i>	(Muskrat)	X		
<i>Procyon lotor</i>	(Raccoon)	X		X
<i>Rattus rattus</i>	(Black rat)	X		X
<i>Sciurus carolinensis</i>	(Grey squirrel)	X	X	X
<i>Sciurus niger</i>	(Fox squirrel)	X	X	X
<i>Sus scrofa</i>	(Wild boar)	X		X
<i>Tamias sibiricus</i>	(Siberian chipmunk)	X		X
<i>Tamias striatus</i>	(Eastern chipmunk)	X		X
Reptiles				
<i>Pantherophis guttatus</i>	(Corn snake)	X		
<i>Trachemys scripta elegans</i>	(Red-eared Slider)	X		X
<i>Trachemys scripta scripta</i>	(Yellow-bellied Slider)	X		X
<i>Trachemys scripta troosti</i>	(Cumberland Slider)	X		X
<i>Zamensis longissima</i>	(Aesculapian snake)	X		
Freshwater fish				
<i>Carassius gibelio</i>	(Prussian carp)	X		
<i>Esox lucius</i>	(Pike)	X		
<i>Leuciscus idus</i>	(Orfe)	X		
<i>Silurus glanis</i>	(Wels catfish)	X		
<i>Stizostedion lucioperca</i>	(Zander)	X		
Marine				
<i>Agarophyton vermiculophylla</i>	(A red algae)	X		

<i>Amphibalanus amphitrite</i>	(Purple acorn barnacle)	X		
<i>Asparagopsis armata</i>	(Hooked asparagus seaweed)	X		
<i>Asterias amurensis</i>	(Northern pacific seastar)	X	X	
<i>Dasysiphonia japonica</i>	(A red algae)	X		
<i>Didemnum vexillum</i>	(Carpet seasquirt)	X	X	
<i>Eriocheir sinensis</i>	(Chinese mitten crab)	X		
<i>Gammarus tigrinus</i>	(An amphipod)	X		
<i>Grandidierella japonica</i>	(An amphipod)	X		
<i>Grateloupia turuturu</i>	(Devils's tongue weed)	X		
<i>Hemigrapsus takanoi</i>	(Brush clawed crab)	X		
<i>Homarus americanus</i>	(American lobster)	X	X	
<i>Mnemiopsis leidyi</i>	(American comb jelly)	X	X	
<i>Neogobius melanostomus</i>	(Round goby)	X	X	
<i>Ocenebrellus inornatus</i>	(Japanese sting wrinkle)	X		
<i>Pachygrapsus marmoratus</i>	(Marbled shore crab)	X		
<i>Palaemon macrodactylus</i>	(Oriental prawn)	X		
<i>Rapana venosa</i>	(Veined rapa whelk)	X	X	
<i>Styela plicata</i>	(Pleated tunicate)	X	X	
<i>Urosalpinx cinerea</i>	(American oyster drill)	X		

Plants

		Ecological Risk	Economic Risk	Health risk
<i>Akebia quinata</i>	(Chocolate vine)	X		
<i>Amaranthus tuberculatus</i>	(Rough-fruited waterhemp)	X		
<i>Araujia sericifera</i>	(Cruel plant)	X		
<i>Cabomba caroliniana</i>	(Carolina fanwort)	X	X	
<i>Celastrus orbiculatus</i>	(Asian bittersweet)	X		
<i>Egeria densa</i>	(Large flowered waterweed)	X	X	
<i>Elaeagnus angustifolia</i>	(Russian olive)	X		
<i>Gunnera manicata</i>	(Brazilian giant-rhubarb)	X		
<i>Heracleum mantegazzianum</i>	(Giant hogweed)		X	X
<i>Heracleum persicum</i>	(Persian hogweed)		X	X
<i>Heracleum sosnowskyi</i>	(Sosnowsky's hogweed)		X	X
<i>Hydrilla verticillata</i>	(Water thyme)	X		
<i>Hydrocotyle ranunculoides</i>	(Floating pennywort)	X	X	
<i>Impatiens edgeworthii</i>	(Edgeworth's balsam)	X		
<i>Ludwigia grandiflora</i>	(Water primrose)	X		
<i>Ludwigia peploides</i>	(Floating primrose-willow)	X		
<i>Lupinus polyphyllus</i>	(Garden lupin)	X		
<i>Lysichiton americanus</i>	(American skunk cabbage)	X		
<i>Microstegium vimineum</i>	(Japanese stiltgrass)	X		
<i>Nassella neesiana</i>	(Chilean needlegrass)	X		
<i>Nassella tenuissima</i>	(Mexican feather grass)	X		

<i>Parthenocissus inserta</i>	(False Virginia creeper)	X		
<i>Pistia stratiotes</i>	(Water lettuce)	X		
<i>Prunus serotina</i>	(Rum cherry)	X		
<i>Rhododendron luteum</i>	(Yellow azalea)	X		
<i>Rhododendron ponticum</i>	(Rhododendron)	X		
<i>Solanum carolinense</i>	(Horse nettle)		X	
<i>Symphoricarpos albus</i>	(Snowberry)	X		
<i>Verbesina encelioides</i>	(Golden crownbeard)		X	

A risk assessment has been compiled for each of the listed species.