

**Regulations and associated licensing requirements
pertaining to non-native species
under the *European Communities (Birds and Natural
Habitats) Regulations 2011 (SI 477/2011)***

20th / 21st May 2014 (19:30 – 21:00): Dublin - IFI HQ

22nd May 2014 (19:30 – 21:00): Athlone - Athlone Springs Hotel



Native, non-native or non-native invasive species ?

- Native species
- Non-native species (alien species)
- **Non-native invasive species** (invasive alien species)
'species which becomes established in natural or semi-natural ecosystems or habitats, is an agent of change, & threatens native biological diversity'.

International Union for the Conservation of Nature and Natural Resources 2000

Impacts of Non-native Invasive Species

Invasive species introductions are recognised as one of the main causes of natural biodiversity loss (second only to direct habitat destruction)

IUCN, CBD and EU

- Alter and degrade habitats
- Negatively affect conservation goals
- Negatively affect agriculture, forestry, fisheries, tourism...
- Human health implications
- Recreation and amenity
- Costly to control

Non-native invasive species

- Most regions and countries are grappling with complex and costly IAS problem
- >12000 alien species found in Europe
- 10-15% causing environmental, economic and social damage
- In 2008, estimated to cost Europe > €12 billion *p.a.*
- In 2013, all-Ireland study calculated economic costs of > €260 million *p.a.*

- Threat is likely to increase in the future unless robust action is taken at all levels to control the introduction and establishment of non-native invasive species and address those already introduced
- What is the response to non-native invasive species at an international, European and State level?



International response to IAS

- High Priority under the Convention on Biological Diversity (CBD)
- CBDs Strategic Plan for Biodiversity 2011-2020 includes 20 new biodiversity targets
- Aichi Biodiversity Target 9
- By 2020, non-native invasive species and pathways are identified and prioritised, priority species are controlled or eradicated, and measures are in place to manage pathways to prevent their introduction and establishment.

European response to IAS

- No single guiding policy or legislation dedicated to IAS
- Currently dealt with in a fragmented and incomplete way across a number of EU legislative instruments

e.g.

- Plant health regime (2000/29/EC) and Animal health regime (various regulations and directives)
- Wildlife Trade Regulation (338/97)
- Regulations of the use of alien and locally absent species in aquaculture (708/2007)
- Regulation on plant protection products (1107/2009)
- Regulation on biocides (528/2012)
- Birds Directive (2009/147/EC)
- Habitats Directive (92/43/EEC)
- Water Framework Directive (2000/60/EC)
- Marine Strategy Framework Directive (2008/56/EC)

European Communities (Birds and Natural Habitats) Regulations 2011 [S.I. No. 477 of 2011]

- *Regulation 49*: prohibition on introduction and dispersal of certain species
- *Regulation 50*: prohibition on dealing in and keeping certain species
- *Regulation 74*: Transitional provisions in relation to Regulations 49 and 50
- Lists of non-native species – Third Schedule

European response to IAS

- **Proposed Regulation on the prevention and management of the introduction and spread of invasive alien species** - dedicated legislative instrument in the pipe line



- **IFI act**

Public awareness of the *Regulations* and obligations arising

1. What do the *Regulations* mean?
2. Application for non-native species licence



European Communities (Birds and Natural Habitats) Regulations 2011 [S.I. No. 477 of 2011]

- *Regulation 49*: prohibition on introduction and dispersal of certain species
- *Regulation 50*: prohibition on dealing in and keeping certain species
- *Regulation 74*: Transitional provisions in relation to *Regulations 50*
- Third Schedule: non-native species subject to restriction

European Communities (Birds and Natural Habitats) Regulations 2011 [S.I. No. 477 of 2011]

- **THIRD SCHEDULE**
- Non-native species subject to restrictions
under *Regulation 49* and *50*
- Part 1: PLANTS
- Part 2 A & B: ANIMALS
- Part 3: VECTOR MATERIAL

Part 1: PLANTS

**Subject to
restriction
under
Regulations
49 & 50**

35 species

First column	Second column	Third column
Common name	Scientific name	Geographical application
American skunk-cabbage	<i>Lysichiton americanus</i>	Throughout the State
A red alga	<i>Grateloupia doryphora</i>	Throughout the State
Brazilian giant-rhubarb	<i>Gunnera manicata</i>	Throughout the State
Broad-leaved rush	<i>Juncus planifolius</i>	Throughout the State
Cape pondweed	<i>Aponogeton distachyos</i>	Throughout the State
Cord-grasses	<i>Spartina</i> (all species and hybrids)	Throughout the State
Curly waterweed	<i>Lagarosiphon major</i>	Throughout the State
Dwarf eel-grass	<i>Zostera japonica</i>	Throughout the State
Fanwort	<i>Cabomba caroliniana</i>	Throughout the State
Floating pennywort	<i>Hydrocotyle ranunculoides</i>	Throughout the State
Fringed water-lily	<i>Nymphoides peltata</i>	Throughout the State
Giant hogweed	<i>Heracleum mantegazzianum</i>	Throughout the State
Giant knotweed	<i>Fallopia sachalinensis</i>	Throughout the State
Giant-rhubarb	<i>Gunnera tinctoria</i>	Throughout the State
Giant salvinia	<i>Salvinia molesta</i>	Throughout the State
Himalayan balsam	<i>Impatiens glandulifera</i>	Throughout the State
Himalayan knotweed	<i>Persicaria wallichii</i>	Throughout the State
Hottentot-fig	<i>Carpobrotus edulis</i>	Throughout the State

**Part 1: PLANTS
continued**

**Subject to
restriction
under
Regulations
49 & 50**

35 species

First column	Second column	Third column
Common name	Scientific name	Geographical application
Japanese knotweed	<i>Fallopia japonica</i>	Throughout the State
Large-flowered waterweed	<i>Egeria densa</i>	Throughout the State
Mile-a-minute weed	<i>Persicaria perfoliata</i>	Throughout the State
New Zealand pigmyweed	<i>Crassula helmsii</i>	Throughout the State
Parrot's feather	<i>Myriophyllum aquaticum</i>	Throughout the State
Rhododendron	<i>Rhododendron ponticum</i>	Throughout the State
Salmonberry	<i>Rubus spectabilis</i>	Throughout the State
Sea-buckthorn	<i>Hippophae rhamnoides</i>	Throughout the State
Spanish bluebell	<i>Hyacinthoides hispanica</i>	Throughout the State
Three-cornered leek	<i>Allium triquetrum</i>	Throughout the State
Wakame	<i>Undaria pinnatifida</i>	Throughout the State
Water chestnut	<i>Trapa natans</i>	Throughout the State
Water fern	<i>Azolla filiculoides</i>	Throughout the State
Water lettuce	<i>Pistia stratiotes</i>	Throughout the State
Water-primrose	<i>Ludwigia</i> (all species)	Throughout the State
Waterweeds	<i>Elodea</i> (all species)	Throughout the State
Wireweed	<i>Sargassum muticum</i>	Throughout the State

Part 2 A: ANIMALS

**Subject to
restriction
under
Regulations
49 & 50**

41+ species

First column	Second column	Third Column
Common name	Scientific name	Geographical application
A colonial sea squirt	<i>Didemnum</i> spp.	Throughout the State
A colonial sea squirt	<i>Perophora japonica</i>	Throughout the State
All freshwater crayfish species except the white-clawed crayfish	All freshwater crayfish species except <i>Austropotamobius pallipes</i>	Throughout the State
American bullfrog	<i>Rana catesbeiana</i>	Throughout the State
American mink	<i>Neovison vison</i>	Throughout the State
American oyster drill	<i>Urosalpinx cinerea</i>	Throughout the State
Asian oyster drill	<i>Ceratostoma inornatum</i>	Throughout the State
Asian rapa whelk	<i>Rapana venosa</i>	Throughout the State
Asian river clam	<i>Corbicula fluminea</i>	Throughout the State
Bay barnacle	<i>Balanus improvisus</i>	Throughout the State
Black rat	<i>Rattus rattus</i>	Offshore islands only
Brown hare	<i>Lepus europaeus</i>	Throughout the State
Brown rat	<i>Rattus norvegicus</i>	Offshore islands only
Canada goose	<i>Branta canadensis</i>	Throughout the State
Carp	<i>Cyprinus carpio</i>	Throughout the State
Chinese mitten crab	<i>Eriocheir sinensis</i>	Throughout the State
Chinese water deer	<i>Hydropotes inermis</i>	Throughout the State
Chub	<i>Leuciscus cephalus</i>	Throughout the State
Common toad	<i>Bufo bufo</i>	Throughout the State
Coypu	<i>Myocastor coypus</i>	Throughout the State

**Part 2 A: ANIMALS
continued**

**Subject to
restriction
under
Regulations
49 & 50**

41+ species

First column	Second column	Third Column
Common name	Scientific name	Geographical application
Dace	<i>Leuciscus leuciscus</i>	Throughout the State
Freshwater shrimp	<i>Dikerogammarus villosus</i>	Throughout the State
Fox	<i>Vulpes vulpes</i>	Offshore islands only
Grey squirrel	<i>Sciurus carolinensis</i>	Throughout the State
Greylag goose	<i>Anser anser</i>	Throughout the State
Harlequin Ladybird	<i>Harmonia axyridis</i>	Throughout the State
Hedgehog	<i>Erinaceus europaeus</i>	Offshore islands only
Irish stoat	<i>Mustela erminea hibernicus</i>	Offshore islands only
Japanese skeleton shrimp	<i>Caprella mutica</i>	Throughout the State
Muntjac deer	<i>Muntiacus reevesi</i>	Throughout the State
Muskrat	<i>Ondatra zibethicus</i>	Throughout the State
Quagga Mussel	<i>Dreissena rostriformis</i>	Throughout the State
Roach	<i>Rutilus rutilus</i>	Throughout the State
Roe deer	<i>Capreolus capreolus</i>	Throughout the State
Ruddy duck	<i>Oxyura jamaicensis</i>	Throughout the State
Siberian chipmunk	<i>Tamias sibiricus</i>	Throughout the State
Slipper limpet	<i>Crepidula fornicata</i>	Throughout the State
Stalked sea squirt	<i>Styela clava</i>	Throughout the State
Tawny owl	<i>Strix aluco</i>	Throughout the State
Wild boar	<i>Sus scrofa</i>	Throughout the State
Zebra mussel	<i>Dreissena polymorpha</i>	Throughout the State

Part 2 B: ANIMALS

animals to which specified provisions of Regulations 49 and 50 apply

First column	Second column	Third Column
Common name	Scientific name	Geographical application
Fallow deer	<i>Dama dama</i>	Throughout the State
Sika deer	<i>Cervus nippon</i>	Throughout the State

Part 3: VECTOR MATERIAL

Subject to restriction under Regulations 49 & 50

First column	Second column	Third Column
Common name	Scientific name	Geographical application
Blue mussel (<i>Mytilus edulis</i>) seed for aquaculture taken from places (including places <i>fornicata</i>) outside the State) where there are established populations of the slipper limpet (<i>Crepidula fornicata</i>) or from places within 50 km. of such places	Mussel (<i>Mytilus edulis</i>) Slipper limpet (<i>Crepidula fornicata</i>)	Throughout the State
Soil or spoil taken from places infested with Japanese knotweed (<i>Fallopia japonica</i>), giant knotweed (<i>Fallopia sachalinensis</i>) or their hybrid Bohemian knotweed (<i>Fallopia x bohemica</i>)	Japanese knotweed (<i>Fallopia japonica</i>) Giant knotweed (<i>Fallopia sachalinensis</i>) Bohemian knotweed (<i>Fallopia x bohemica</i>)	Throughout the State

Regulation 49

- A licence is required for any person who breeds, reproduces or releases or allows or causes to disperse or escape from confinement, any **animal** which:
 - Is not ordinarily resident in or is not a regular visitor to the State in a wild state
 - Is not of a kind that is domesticated or that is not in the normal course the subject of human husbandry
 - Is included in Part 2A of the Third Schedule
 - Is included in Part 2B of the Third Schedule

Regulation 49

- A licence is required for any person who plants, disperses, allows or causes to disperse, spreads or otherwise causes the growth of any **plant** which:
 - Is included in Part 1 of the Third Schedule

Regulation 50

- A licence is required for any person who has in his or her possession for sale, or for the purposes of breeding, reproduction or propagation, or offers or exposes for sale, transportation, distribution, introduction or release—
 - an animal or plant listed in Part 1 or Part 2 of the Third Schedule
 - anything from which a listed animal or plant can be reproduced or propagated
 - a vector material listed in Part 3 of the Third Schedule

Regulation 50

- A licence is required for any person who imports or transports—
 - an animal or plant listed in Part 1 or Part 2 of the Third Schedule
 - anything from which an listed animal or plant can be reproduced or propagated
 - a vector material listed in Part 3 of the Third Schedule

Regulation 50

- A licence is required for any person who publishes or causes to be published by any means, including on the internet, any advertisement, catalogue, circular or price list likely to be understood as conveying that such person imports into the State, buys, sells, distributes or provides for the introduction or release, or intends to buy or sell or distribute or introduce or release -
 - an animal or plant listed in Part 1 or Part 2 of the Third Schedule
 - anything from which such an animal or plant can be reproduced or propagated
 - a vector material listed in Part 3 of the Third Schedule

Regulation 74

- A transitional licence is required for any person possessing any prohibited items referred to in Regulation 50.
- An application for this licence must be submitted to the Minister within 21 days after the commencement of Regulation 50.
- A transitional licence can be granted for a period not exceeding six months.
- A person who has received a transitional licence may, not later than 21 days before the expiry of the transitional licence, apply for a licence in accordance with Regulation 50 in respect of the items that are in their possession.

European Communities (Birds and Natural Habitats) Regulations 2011 [S.I. No. 477 of 2011]

Introduction and/or dispersal

Dealing in and/or keeping

Third schedule plants, animals and vector material



NEED A LICENCE

Public awareness of the *Regulations* and obligations arising

1. What do the *Regulations* mean?
2. Application for non-native species licence



**EUROPEAN COMMUNITIES (BIRDS AND NATURAL HABITATS) REGULATIONS
2011 – Regulation 49, 50 and 74**

APPLICATION FOR NON-NATIVE SPECIES LICENCE

1. Name of applicant: _____

2. Name of Business: _____

3. Postal Address: _____

4. Telephone: _____

5. Email: _____

6. Website: _____

7. Licence applied for under Regulation(s): 49 50 74

8. Description of specimens, animal or plant parts, or vector materials

Scientific name	Common name	Quantity

9. These specimens, animal or plant parts, or vector materials are for:

agriculture

food

pet trade

angling

horticultural trade

pets

aquaculture

hunting

propagation

aquarium trade

importation

release to wild

breeding

ornamental trade

research

fish stocking

planting

transportation

other (please state):

10. Source of specimens, animal or plant parts, or vector materials:

Supplier Name:

Postal address:

Telephone:

Email:

Website:

11. Destination of specimens, animal or plant parts, or vector materials (if different from applicant details):

Name:

Postal address:

Telephone:

Email:

Website:

12. Source and destination of specimens, animal or plant parts, or vector materials (if not from a supplier):

Source:	Location:	_____
	Coordinates:	_____
Destination:	Location:	_____
	Coordinates:	_____

13. Provide a full description of the facilities for keeping the items in question (provide further documentation if required).

14. Are the facilities for keeping the items in or near an area or proposed area of conservation interest?
If so, provide further details (e.g. Natural Heritage Area, Special Area of Conservation, Special Protection Area, RAMSAR site; or waterbody for aquatic, riparian or marine species).

15. Provide a full description of the package(s), box(es) or other containers used to transport the items
(if required provide further documentation).

16. Expected date of receipt of items:

(if applicable) _____

17. Location of entry point for import of items:

(if applicable) _____

I declare that the foregoing particulars are, to the best of my knowledge and belief, true and correct.

Signature: _____

Date: _____

Please return completed application forms to:

Wildlife Licensing Unit,
Department of Arts, Heritage & the Gaeltacht
National Parks and Wildlife Services,
7 Ely Place,
Dublin 2.

Tel.: (01) 888 3242

Email: wildlifelicence@ahg.gov.ie



*An Roinn
Ealaíon, Oidhreachta agus Gaeltachta*

*Department of
Arts, Heritage and the Gaeltacht*

INCOMPLETE APPLICATIONS WILL BE RETURNED UNPROCESSED

Non-native species risk assessment project



An Roinn
Ealaíon, Oidhreacht agus Gaeltachta

Department of
Arts, Heritage and the Gaeltacht



Iascach Intíre Éireann
Inland Fisheries Ireland

National
Biodiversity
Data Centre



Documenting Ireland's Wildlife

www.nonnativespecies.ie

Non-native species risk assessment project

AIM: Provide evidence based support to the implementation of the *Regulations*

- Detailed risk assessments (RAs) of certain species
- Public consultation relating to the RAs
- Public engagement/awareness of the *Regulations* and obligations arising



Risk assessments

- **THIRD SCHEDULE**
- Lists of non-native species subject to restrictions under *Regulation 49* and *50*
- Part 1: PLANTS (35)
 - 23
- Part 2 A & B: ANIMALS (41+)
 - 18
- Part 3: VECTOR MATERIAL



Risk assessments

Animals	Plants
<i>Astacus astacus</i> (Noble Crayfish)	<i>Allium triquetrum</i> (Three-cornered Leek)
<i>Astacus leptodactylus</i> (Turkish Crayfish)	<i>Aponogeton distachyos</i> (Cape Pondweed)
<i>Bufo bufo</i> (Common Toad)	<i>Azolla filiculoides</i> (Water Fern)
<i>Capreolus capreolus</i> (Roe Deer)	<i>Carpobrotus edulis</i> (Hottentot-fig)
<i>Corbicula fluminea</i> (Asian River Clam)	<i>Crassula helmsii</i> (Australian Swamp Stonecrop)
<i>Crepidula fornicata</i> (Slipper Limpet)	<i>Egeria densa</i> (Large-flowered Waterweed)
<i>Cyprinus carpio</i> (Carp)	<i>Elodea canadensis</i> (Canadian Pondweed)
<i>Hydropotes inermis</i> (Chinese Water Deer)	<i>Elodea nuttallii</i> (Nuttall's Pondweed)
<i>Leuciscus cephalus</i> (Chub)	<i>Gunnera manicata</i> (Brazilian Giant-rhubarb)
<i>Muntiacus reevesi</i> (Muntjac Deer)	<i>Hippophae rhamnoides</i> (Sea-buckthorn)
<i>Orconectes limosus</i> (Spiny-cheek Crayfish)	<i>Hyacinthoides hispanica</i> (incl. <i>H. non-scripta</i> x <i>H. hispanica</i>) (Spanish Bluebell)
<i>Pacifastacus leniusculus</i> (Signal Crayfish)	<i>Hydrocotyle ranunculoides</i> (Floating Pennywort)
<i>Procambarus clarkii</i> (Red Swamp Crayfish)	<i>Impatiens glandulifera</i> (Himalayan Balsam)
<i>Procambarus</i> spp. (Marbled Crayfish)	<i>Juncus planifolius</i> (Broad-leaved Rush)
<i>Rana catesbeiana</i> (American Bullfrog)	<i>Lagarosiphon major</i> (Curly-leaved Waterweed)
<i>Strix aluco</i> (Tawny Owl)	<i>Ludwigia</i> (<i>L. grandiflora</i> , <i>L. peploides</i> and <i>L. hexapetala</i>) (Water-primrose)
<i>Sus scrofa</i> (Wild Boar/feral pig/hybrid)	<i>Lysichiton americanus</i> (American Skunk-cabbage)
<i>Tamias sibiricus</i> (Siberian Chipmunk)	<i>Myriophyllum aquaticum</i> (Parrots Feather)
	<i>Nymphoides peltata</i> (Fringed Water-lily)
	<i>Persicaria perfoliata</i> (Mile-a-minute Weed)
	<i>Pistia stratiotes</i> (Water Lettuce)
	<i>Rhododendron ponticum</i> (including <i>R. x superponticum</i>) (Rhododendron)
	<i>Rubus spectabilis</i> (Salmonberry)

drafted



Internal review



Expert review



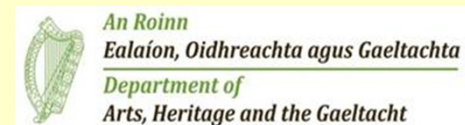
Non-native Species Application based Risk Analysis - NAPRA

- **Stage 1 - Organism Information**
- **Stage 2 - Detailed Assessment**
 - Section A - Entry
 - Section B - Establishment
 - Section C - Spread
 - Section D - Impact
 - Section E - Conclusion
 - Section F - Additional Questions



Public Consultation Process

- www.nonnativespecies.ie
- Stakeholder consultee
- RAs published online
- Invite interested individuals or groups to consult
- Structured online feedback form
- One-to-one stakeholder meetings - further capture feedback



Q & A

SESSION