

Introduction to Invasive Non-Native Species

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Outline

- Types of threat
- What are invasive non-native species?
- Problems caused
- INNS in detail
- Amphibian disease
- Reporting INNS
- Projects



What are the threats?



Invasive non-native species



Tree disease



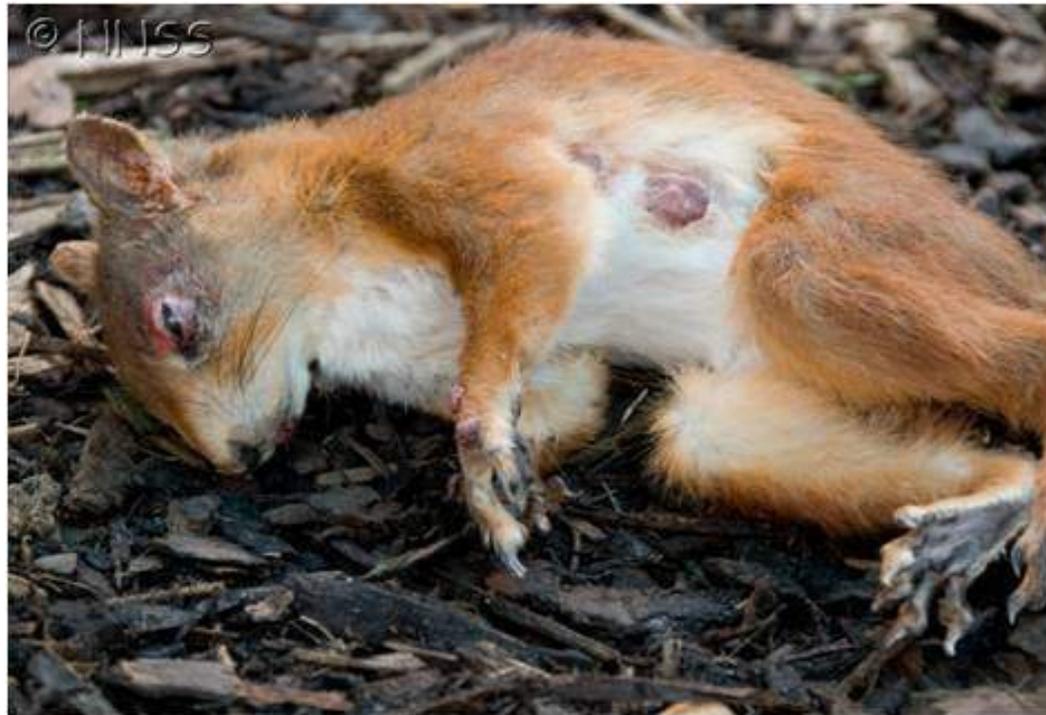
Amphibian disease

What are invasive non-native species?

- Species from outside Britain
- Arrived here intentionally or accidentally
- Have serious negative impact on native species, economy and human health



Problems caused by INNS



Transmission of disease to native species



Problems caused by INNS



Competition with native species



Problems caused by INNS



Predation on native species



Problems caused by INNS



Increased flooding risk



Problems caused by INNS



Infrastructure damage



Problems caused by INNS



Human health risks



Some problem species...



Himalayan balsam



Japanese knotweed



Grey squirrel



Giant hogweed



Australian swamp stonecrop / *Crassula*



Water fern / *Azolla*



American signal crayfish



Rhododendron



American mink



Chinese mitten crab



Butterfly bush / *Buddleia*



Harlequin ladybird



Floating pennywort



Orange balsam



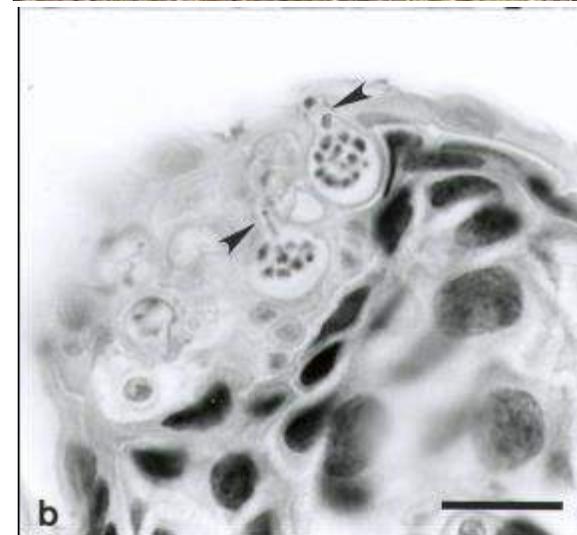
Killer shrimp



Topmouth gudgeon

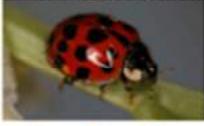


Chytrid fungal disease



Reporting

Click on the species you want to record...

 More information	 More information	 More information	 More information
 More information	 More information	 More information	 More information
 More information	 More information	 More information	 More information

[To enter records of other species, click here to use the Standard Entry form](#)

Cofnod Record an Alien
www.cofnod.org.uk



Reporting



Smartphone Apps



Reporting

The screenshot shows the NNSS (GB Non-native Species Secretariat) website. The header includes the NNSS logo and navigation links for Home, GB Co-ordinator, News & Events, Species Alerts, Species Database, Biosecurity & Projects, Local Action Strategy groups, Legislation & Regulation, Publications, and a search bar. Below the header, there are quick links for Information Portal, Records, Gallery, ID checks, Search, Video, Risk assessments, IDAP, and Management and patterns.

In this section

Recording

RISC
Recording Invasive Species Co-ordinators

The Recording Invasive Species Co-ordinators (RISC) project is a way to find out more and to contribute to our understanding of the distribution and ecology of non-native species. It is co-ordinated by the NBN and BRC (part of the Centre for Ecology & Hydrology), in partnership with recording schemes for the animals and plants. The project is funded by Defra.

We hope you will get involved by sending in your records of the following species.

Animals

- American leafhopper
- Asian Hornet
- Carpet Sea Squirt
- Chinese Mitten Crab
- China longhorn beetle
- Killer Shrimp
- Muscicora
- Orange-spined
- Shadblowstem leafhopper
- Signal crayfish
- Southern green stickleback
- Western conifer sawfly
- Zebra mussel

Plants

- American shikokifoliage
- Exotic penstemon
- Mediterranean balsam
- Shadblowstem

- Alert species:
- Quagga Mussel
 - Asian hornet
 - Killer shrimp
 - Water primrose
 - Carpet sea squirt

GB Non-Native Species Secretariat
www.nonnativespecies.org



INNS Control Projects

- Dee Catchment Invasive Non-native Species Project
- Big Dee Day – the Invasion
- Alyn Valley Himalayan Balsam Control Project

