

It is essential to take animal welfare into account when managing invasive animals. Find out more in the [‘Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare’](#).

## Prevention

Common name	Scientific name	Taxonomic group	Habitat	ID guide	Good practice management
<a href="#">African clawed toad</a>	<i>Xenopus laevis</i>	Amphibian	Freshwater and terrestrial	<a href="#">GB NNSS</a>	See Contingency plan
* <a href="#">American bullfrog</a>	<i>Lithobates catesbeianus</i>	Amphibian	Freshwater and terrestrial	<a href="#">GB NNSS</a>	See Contingency plan
* <a href="#">Asian hornet</a>	<i>Vespa velutina</i>	Insect	Terrestrial	<a href="#">GB NNSS</a> <a href="#">Welsh GBNNSS</a>	See Contingency plan
* <a href="#">Black bullhead</a>	<i>Ameiurus melas</i>	Fish	Freshwater		See Contingency plan
* <a href="#">Broadleaf watermilfoil</a>	<i>Myriophyllum heterophyllum</i>	Plant	Freshwater		See Contingency plan
<a href="#">Spinycheek crayfish</a>	<i>Orconectes limosus</i>	Crustacean	Freshwater	<a href="#">GB NNSS</a>	See signal crayfish
* <a href="#">Carolina water-shield</a>	<i>Cabomba caroliniana</i>	Plant	Freshwater	<a href="#">GB NNSS</a> <a href="#">JKC</a>	See Contingency plan
<a href="#">Invasive garden ant</a>	<i>Lasius neglectus</i>	Insect	Terrestrial		
* <a href="#">Monk parakeet</a>	<i>Myiopsitta monachus</i>	Bird	Terrestrial	<a href="#">GB NNSS</a>	See Contingency plan
* <a href="#">Pitcher plant</a>	<i>Sarracenia purpurea</i>	Plant	Terrestrial		
<a href="#">Quagga mussel</a>	<i>Dreissena bugensis</i>	Mollusc	Freshwater	<a href="#">GB NNSS</a>	See Contingency plan
<a href="#">Red swamp crayfish</a>	<i>Procambarus clarkii</i>	Crustacean	Freshwater	<a href="#">GB NNSS</a>	See signal crayfish
* <a href="#">Sacred ibis</a>	<i>Threskiornis aethiopicus</i>	Bird	Terrestrial	<a href="#">GB NNSS</a>	See Contingency plan

It is essential to take animal welfare into account when managing invasive animals. Find out more in the ['Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare'](#).

<a href="#">*Tree groundsel</a>	<i>Baccharis halimifolia</i>	Plant	Terrestrial		<a href="#">Ihobe IUCN</a>
<a href="#">*Siberian chipmunk</a>	<i>Tamias sibiricus</i>	Mammal	Terrestrial	<a href="#">GB NNSS</a>	See Contingency plan
<a href="#">Virile crayfish</a>	<i>Orconectes virilis</i>	Crustacean	Freshwater	<a href="#">GB NNSS</a>	See signal crayfish

\*Alert Species, GB Non-Native Species Secretariat (GB NNSS), Japanese Knotweed Control (JKC), International Union for Conservation of Nature (IUCN)

It is essential to take animal welfare into account when managing invasive animals. Find out more in the [‘Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare’](#).

## Management

Common name	Scientific name	Taxonomic group	Habitat	ID guide	Good practice management
<a href="#">Aesculapian snake</a>	<i>Zamenis longissimus</i>	Reptile	Terrestrial		
<a href="#">Alpine newt</a>	<i>Ichthyosaura alpestris</i>	Amphibian	Freshwater	<a href="#">GB NNSS</a>	
<a href="#">Asian clam</a>	<i>Corbicula fluminea</i>	Mollusc	Freshwater	<a href="#">ISNI</a>	
<a href="#">Floating pennywort</a>	<i>Hydrocotyle ranunculoides</i>	Plant	Freshwater	<a href="#">GB NNSS</a>	<a href="#">GB Floating Pennywort Strategy</a> <a href="#">GB NNSS – case studies</a> <a href="#">EA (pg 22-24)</a> <a href="#">RAPID LIFE</a> <a href="#">Angling Trust</a> <a href="#">ERCCIS</a>
<a href="#">Pirri-pirri-bur</a>	<i>Acaena novae-zelandiae</i>	Plant	Terrestrial	<a href="#">ISNI</a>	<a href="#">RAPID LIFE</a>
<a href="#">Purple dewplant</a>	<i>Disphyma crassifolium</i>	Plant	Terrestrial		
* <a href="#">Ruddy duck</a>	<i>Oxyura jamaicensis</i>	Bird	Freshwater and terrestrial	<a href="#">GB NNSS</a>	<a href="#">EASIN (pg 89-90)</a>
<a href="#">Sika deer</a>	<i>Cervus nippon</i>	Mammal	Terrestrial	<a href="#">GB NNSS</a>	
<a href="#">Sour fig</a>	<i>Carpobrotus edulis</i>	Plant	Terrestrial	<a href="#">GB NNSS</a>	
* <a href="#">Topmouth gudgeon</a>	<i>Pseudorasbora parva</i>	Fish	Freshwater	<a href="#">GB NNSS</a> <a href="#">ISNI</a>	<a href="#">EA</a> <a href="#">EASIN (pg 98-99)</a>

It is essential to take animal welfare into account when managing invasive animals. Find out more in the ['Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare'](#).

<a href="#">*Water primrose</a>	<i>Ludwigia grandiflora</i>	Plant	Freshwater	<a href="#">GB NNSS</a>	<a href="#">RAPID LIFE</a> <a href="#">EA</a> <a href="#">EA (pg 25-27)</a> <a href="#">Angling Trust</a>
---------------------------------	-----------------------------	-------	------------	-------------------------	--

\*Alert Species, GB Non-Native Species Secretariat (GB NNSS), Invasive Species Northern Ireland (ISNI), Environment Agency (EA), Environmental Records Centre for Cornwall and the Isles of Scilly (ERCCIS), European Alien Species Information Network (EASIN)

It is essential to take animal welfare into account when managing invasive animals. Find out more in the ['Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare'](#).

## Long-term management

Common name	Scientific name	Taxonomic group	Habitat	ID guide	Good practice management
<a href="#">American mink</a>	<i>Neovision vision</i>	Mammal	Terrestrial	<a href="#">GB NNSS</a>	<a href="#">RAPID LIFE</a> <a href="#">RDS</a> <a href="#">CABI</a>
<a href="#">American skunk cabbage</a>	<i>Lysichiton americanus</i>	Plant	Freshwater	<a href="#">GB NNSS</a>	<a href="#">RAPID LIFE</a> <a href="#">Angling Trust</a> <a href="#">SWT</a> <a href="#">NF</a> <a href="#">CABI</a>
<a href="#">Cherry laurel</a>	<i>Prunus laurocerasus</i>	Plant	Terrestrial	<a href="#">Deepdale</a>	<a href="#">Invasive Species Ireland</a> <a href="#">KWT</a> <a href="#">GWT</a>
<a href="#">Cotoneaster</a>	<i>Cotoneaster spp.</i>	Plant	Terrestrial	<a href="#">GB NNSS</a>	
<a href="#">Curly waterweed</a>	<i>Lagarosiphon major</i>	Plant	Freshwater	<a href="#">GB NNSS</a>	<a href="#">RAPID LIFE</a> <a href="#">CABI</a>
<a href="#">Giant hogweed</a>	<i>Heracleum mantegazzianum</i>	Plant	Terrestrial	<a href="#">GB NNSS</a>	<a href="#">WG</a> <a href="#">RAPID LIFE</a> <a href="#">GAP</a> <a href="#">SWT</a> <a href="#">Invasive Species Ireland</a> <a href="#">CEH</a> <a href="#">Angling Trust</a>
<a href="#">Grey squirrel</a>	<i>Sciurus carolinensis</i>	Mammal	Terrestrial	<a href="#">ISNI</a>	<a href="#">WG</a> <a href="#">CABI</a> <a href="#">EASIN (pg 100-102)</a>
<a href="#">Himalayan balsam</a>	<i>Impatiens glandulifera</i>	Plant	Terrestrial	<a href="#">GB NNSS</a>	<a href="#">WG</a> <a href="#">RAPID LIFE</a>

It is essential to take animal welfare into account when managing invasive animals. Find out more in the [‘Manual for the management of vertebrate invasive alien species of Union concern, incorporating animal welfare’](#).

					<a href="#">Invasive Species Ireland</a> <a href="#">CEH</a> <a href="#">Angling Trust</a> <a href="#">TRT</a> <a href="#">SWT</a>
<a href="#">Japanese knotweed</a>	<i>Reynoutria japonica</i> (synonym: <i>Fallopia japonica</i> )	Plant	Terrestrial	<a href="#">GB NNSS</a>	WG - <a href="#">English Welsh</a> WG – info for community and volunteer groups – <a href="#">English Welsh RAPID LIFE</a> <a href="#">GB NNSS</a> <a href="#">Angling Trust</a> <a href="#">CKF</a> <a href="#">CEH</a>
<a href="#">Japanese rose</a>	<i>Rosa rugosa</i>	Plant	Terrestrial	<a href="#">GB NNSS</a>	
<a href="#">Killer shrimp</a> or <a href="#">demon shrimp</a>	<i>Dikerogammarus villosus</i> or <i>Dikerogammarus haemobaphes</i>	Crustacean	Freshwater	<a href="#">GB NNSS</a>	<a href="#">EA</a> <a href="#">Cefas</a> <a href="#">Anderson et al (2014)</a> <a href="#">CABI</a>

Centre for Agriculture and Bioscience International (CABI), Rural Development Service (RDS), Sussex Wildlife Trust (SWT), New Forest (NF), Kent Wildlife Trust (KWT), Gwent Wildlife Trust (GWT), Welsh Government (WG), Giant Alien Project (GAP), Centre of Ecology & Hydrology (CEH), European Alien Species Information Network (EASIN), Tyne Rivers Trust (TRT), Cornwall Knotweed Forum (CKF), GB Non-Native Species Secretariat (GB NNSS), Environment Agency (EA)