

## London Invasive Species Initiative - Species of Concern

Common name	Latin name	Priority Categories	LISI Designation
African clawed toad	<i>Xenopus laevis</i>	1. Species not currently present in London but present nearby or of concern because of the high risk of negative impacts should they arrive.	Wildlife and Countryside Act 1981 Schedule 9 species
American bullfrog	<i>Rana catesbeiana</i>		Wildlife and Countryside Act 1981 Schedule 9 species
Asian hornet	<i>Vespa velutina</i>		Additional species relevant to London
Asian long-horn beetle	<i>Anoplophora glabripennis</i>		Additional species relevant to London
Carolina water-shield	<i>Cabomba caroliniana</i>		Additional species relevant to London
Caspian mud shrimp	<i>Chelicorophium curvispinum</i>		Wildlife and Countryside Act 1981 schedule 9 species
Killer shrimp	<i>Dikerogammarus villosus</i>		Additional species relevant to London
Marbled crayfish	<i>Procambarus spp.</i>		Water Framework Directive UK TAG alien species (high impact)
n/a	<i>Dikerogammarus bispinosus</i>		Additional species relevant to London
n/a	<i>Limnomysis benedeni</i>		Additional species relevant to London
Noble crayfish	<i>Astacus astacus</i>		Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species
Tubenose goby	<i>Proterorhinus marmoratus</i>		Water Framework Directive UK TAG alien species (high impact)
White river crayfish	<i>Procambarus acutus</i>		Water Framework Directive UK TAG alien species (moderate impact)
Alpine newt	<i>Ichthyosaura alpestris (previously Mesotriton alpestris)</i>		2. Species of high impact or concern present at specific sites that require attention (control, management, eradication etc).
American mink	<i>Mustela vison</i>	Wildlife and Countryside Act 1981 schedule 9 species	
American skunk-cabbage	<i>Lysichiton americanus</i>	Additional species relevant to London	
Bloody-red mysid	<i>Hemimysis anomala</i>		
Cotoneaster*	<i>Cotoneaster*</i>	Wildlife and Countryside Act 1981 schedule 9 species	
Duck-potato	<i>Sagittaria latifolia</i>	Wildlife and Countryside Act 1981 Schedule 9 species	
Few-flowered leek	<i>Allium paradoxum</i>	Wildlife and Countryside Act 1981 schedule 9 species	
Goldfish	<i>Carassius auratus</i>	Water Framework Directive UK TAG alien species (high impact)	
Italian crested newt	<i>Triturus cristatus</i>	Wildlife and Countryside Act 1981 Schedule 9 species	
Johnson grass	<i>Sorghum halepense</i>	Additional species relevant to London	
Monk parakeet	<i>Myiopsitta monachus</i>	Wildlife and Countryside Act 1981 Schedule 9 species	
Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	Water Framework Directive UK TAG alien species (unknown impact)	
New Hampshire purslane	<i>Ludwigia x kentiana</i>	Additional species relevant to London	
Oak processionary moth	<i>Thaumetopea processionea</i>	Additional species relevant to London	
Orange balsam	<i>Impatiens capensis</i>	Water Framework Directive UK TAG alien species (low impact)	
Pale balsam	<i>Impatiens balfourii</i>	Additional species relevant to London	
Pale galingale	<i>Cyperus eragrostis</i>	Additional species relevant to London	
Perfoliate Alexanders	<i>Smyrnium perfoliatum</i>	Wildlife and Countryside Act 1981 Schedule 9 species	
Quagga mussel	<i>Dreissena rostriformis bugensis</i>	Additional species relevant to London	
Red swamp crayfish	<i>Procambarus clarkii</i>	Water Framework Directive UK TAG alien species (high impact)	
Rhododendron	<i>Rhododendron x superpoticum</i>	Wildlife and Countryside Act 1981 Schedule 9 species	
Small balsam	<i>Impatiens parviflora</i>	Additional species relevant to London	
Snowberry	<i>Symphoricarpos albus</i>	Additional species relevant to London	
Spinycheek crayfish	<i>Orconectes limosus</i>	Water Framework Directive UK TAG alien species (moderate impact)	
Topmouth gudgeon	<i>Pseudorasbora parva</i>	Water Framework Directive UK TAG alien species (high impact)	
Virile crayfish	<i>Orconectes virilis</i>	Water Framework Directive UK TAG alien species (high impact)	
Water fern	<i>Azolla filiculoides</i>	Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Water primrose	<i>Ludwigia grandiflora</i>	Water Framework Directive UK TAG alien species (unknown impact)	

Buddleia	<i>Buddleja davidii</i>	3. Species of high impact or concern which are widespread in London and require concerted, coordinated and extensive action to control/eradicate.	Additional species relevant to London Water Framework Directive UK TAG alien species (unknown impact)	
Brazilian waterweed	<i>Egeria densa</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Cherry laurel	<i>Prunus laurocerasus</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Curly waterweed	<i>Lagarosiphon major</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Floating pennywort	<i>Hydrocotyle ranunculoides</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Gallant soldier	<i>Galinsoga parviflora</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Giant hogweed	<i>Heracleum mantegazzianum</i> S.L. **		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Himalayan balsam	<i>Impatiens glandulifera</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Japanese knotweed	<i>Fallopia japonica</i> (can be listed as <i>Polygonum cuspidatum</i> )		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Australian swamp stonecrop	<i>Crassula helmsii</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Parrot's-feather	<i>Myriophyllum aquaticum</i>		Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species	
Red eared slider terrapin	<i>Trachemys scripta</i> subsp. <i>elegans</i>		Additional species relevant to London	
Shaggy soldier	<i>Galinsoga quadriradiata</i>		Additional species relevant to London	
Tree-of-heaven	<i>Ailanthus altissima</i>		Additional species relevant to London	
Asian shore crab	<i>Hemigrapsus sanguineus</i>		4. Species which are widespread for which eradication is not feasible but where avoiding spread to other sites may be required.	Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species
Chinese mitten crab	<i>Eriocheir sinensis</i>	Wildlife and Countryside Act 1981 Schedule 9 species		
Chinese muntjac	<i>Muntiacus reevesi</i>	Additional species relevant to London		
False-acacia	<i>Robinia pseudoacacia</i>	Additional species relevant to London Water Framework Directive UK TAG alien species (unknown impact)		
Goat's-rue	<i>Galega officinalis</i>	Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species		
Least duckweed	<i>Lemna minuta</i>	Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species		
North American signal crayfish	<i>Pacifastacus leniusculus</i>	Wildlife and Countryside Act 1981 Schedule 9 species		
Pondweeds	<i>Elodea canadensis</i> and <i>Elodea nuttallii</i>	Additional species relevant to London Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species		
Ring-necked parakeet	<i>Psittacula krameri</i>	Wildlife and Countryside Act 1981 Schedule 9 species		
Spanish bluebell	<i>Hyacinthoides hispanica</i> & <i>H. x massartiana</i>	Additional species relevant to London		
Three-cornered garlic	<i>Allium triquetrum</i>	Wildlife and Countryside Act 1981 schedule 9 species Water Framework Directive UK TAG alien species and WCA 9181 Schedule 9 species		
Turkish crayfish	<i>Astacus leptodactylus</i>	Wildlife and Countryside Act 1981 Schedule 9 species Water Framework Directive UK TAG alien species (high impact)		
Yellow archangel	<i>Lamium galeobdolon</i> subsp. <i>argentatum</i>	Wildlife and Countryside Act 1981 Schedule 9 species Water Framework Directive UK TAG alien species (high impact)		
Zebra mussel	<i>Dreissena polymorpha</i>	Wildlife and Countryside Act 1981 Schedule 9 species		
Aesculapian snake	<i>Zamenis longissimus</i> (previously <i>Elaphe longissima</i> )	5. Species for which insufficient data or evidence was available from those present to be able to prioritise.		Wildlife and Countryside Act 1981 Schedule 9 species
Ambrosia	<i>Ambrosia artemisiifolia</i>		Additional species relevant to London Water Framework Directive UK TAG alien species (high impact)	
Bohemian knotweed	<i>Fallopia japonica x sachalinensis</i> (F x bohemica)		Wildlife and Countryside Act 1981 schedule 9 species	
European pond terrapin	<i>Emys orbicularis</i>		Additional species relevant to London Water Framework Directive UK TAG alien species (high impact)	
Foxglove-tree	<i>Paulownia tomentosa</i>		Additional species relevant to London	
Giant knotweed	<i>Fallopia sachalinensis</i>		Additional species relevant to London	
Highclere holly	<i>Ilex x altaclerensis</i>		Additional species relevant to London	
Himalayan knotweed	<i>Persicaria wallichii</i>		Additional species relevant to London	
Holm oak (Evergreen oak)	<i>Quercus ilex</i>		Additional species relevant to London	
Pink purslane	<i>Claytonia sibirica</i>		Additional species relevant to London	
Turkey oak	<i>Quercus cerris</i>		Additional species relevant to London	
Giant salvinia	<i>Salvinia molesta</i>		6. Species that were not currently considered to pose a threat or have the potential to cause problems in London.	Additional species relevant to London
Giant-rhubarbs	<i>Gunnera tinctoria</i> & <i>G. manicata</i>			Wildlife and Countryside Act 1981 schedule 9 species
Green alkanet	<i>Pentaglottis sempervirens</i>			Additional species relevant to London
Passion flower	<i>Passiflora caerulea</i>			Additional species relevant to London
Water-hyacinth	<i>Eichhornia crassipes</i>	Wildlife and Countryside Act 1981 schedule 9 species		
Water-lettuce	<i>Pistia stratiotes</i>	Wildlife and Countryside Act 1981 Schedule 9 species		

\* at least 15 species of Cataneaster are established in the Greater London area. Research is required to understand the ecology and impacts of each one before management or action is implemented.

\*\* (sensu latum) recent studies indicate that more than one taxon is present in the UK. There may be at least two species in London and their ecologies may differ. Therefore research is needed to develop more suitable management protocols.

last updated: Nov 2014