



Tanyptera Project Aquatic and Terrestrial Invertebrate Species Priority List

Selection Criteria

- A) **Nationally Rare** (GB Rarity Status) or **Threatened** (all GB IUCN categories excl. DD, LC, RE) species according to the most recent review of the taxon group with reliable records in the Tanyptera Project region since 1980 based on LERC data, regional expert review and some National Scheme data.
- B) At the discretion of regional experts, **Nationally Scarce** (GB Rarity Status) species according to the most recent review of the taxon group with reliable records in the Tanyptera project region since 1980 according to LERC data, regional expert review and some national scheme data. These selections will usually be those in well documented decline nationally.
- C) **Nationally Rare, Scarce** or **Threatened** species not yet recorded within the project region according to LERC data but perceived by regional experts to have reasonable potential of occurring.
- D) At the discretion of national / regional / county recorders, species without a GB rarity or GB IUCN threat status but known / thought to be in rapid decline. These selections will usually only fall within taxon groups that have not had status reviews nationally for over 25 years.

Exclusions

- E) At the discretion of the Tanyptera Regional Entomologist and Tanyptera Project Steering Group, any qualifying species that has received significant surveying effort within the past decade or will be receiving such attention in the near future, e.g. Northern Dune Tiger Beetle (*Cicindela hybrida*).
- F) At the discretion of the Tanyptera Regional Entomologist, any qualifying species that is perceived to no longer warrant a GB Rarity Status of Nationally Rare status based on new distribution information and/or advice from national / local experts. Usually these species will have expanded their range markedly in recent years and will fall within taxon groups that have not been reviewed nationally for over 25 years.

Priority Species List

Beetles (Coleoptera)

Vernacular name	Scientific name	Family	Reason for inclusion
5-Spot Ladybird	<i>Anthicus bimaculatus</i>	Anthicidae	Nationally Rare and Vulnerable
	<i>Melanapion minimum</i>	Apionidae	Nationally Rare
	<i>Coccinella quinquepunctata</i>	Coccinellidae	Nationally Rare. Potentially occurs in N Lancs
	<i>Orthocerus clavicornis</i>	Colydiidae	Nationally Rare
	<i>Telmatophilus brevicollis</i>	Cryptophagidae	Nationally Rare
	<i>Trinodes hirtus</i>	Dermestidae	Nationally Rare and Near Threatened
	<i>Dryops nitidulus</i>	Dryopidae	Nationally Near Threatened
	<i>Oreodytes davisii</i>	Dytiscidae	Nationally Near Threatened
	<i>Stictonectes lepidus</i>	Dytiscidae	Nationally Near Threatened
	<i>Margarinotus obscurus</i>	Histeridae	Nationally Rare and Vulnerable
	<i>Enochrus nigrinus</i>	Hydrophilidae	Nationally Near Threatened
	<i>Pseudotriphyllus suturalis</i>	Mycetophagidae	Near Threatened and on IUCN Red List (2010)
Northern Chafer	<i>Aegialia rufa</i>	Scarabaeidae	Nationally Rare and Endangered
	<i>Aphodius porcus</i>	Scarabaeidae	Nationally Rare and Near Threatened
	<i>Melolontha hippocastani</i>	Scarabaeidae	Nationally Rare and Near Threatened - potentially occurs in region
	<i>Psammodyius asper</i>	Scarabaeidae	Nationally Rare and Near Threatened
	<i>Lathrobium rufipenne</i>	Staphylinidae	Nationally Vulnerable

True Flies (Diptera)

Vernacular name	Scientific name	Family	Reason for inclusion
Phantom Hoverfly	<i>Arctoconopa melampodia</i>	Limoniidae	Nationally Vulnerable
	<i>Limnophila pictipennis</i>	Limoniidae	Nationally Vulnerable
	<i>Limonia nigropunctata</i>	Limoniidae	Nationally Rare
	<i>Lipsothrix nobilis</i>	Limoniidae	Nationally Rare and Vulnerable
	<i>Hydrotaea velutina</i>	Muscidae	pNear Threatened
	<i>Macronychia polyodon</i>	Sarcophagidae	Nationally Rare
	<i>Anticheta brevipennis</i>	Sciomyzidae	Nationally Vulnerable - potentially occurs in region
	<i>Zabrachia tenella</i>	Stratiomyidae	Nationally Rare and Endangered
	<i>Callicera rufa</i>	Syrphidae	Nationally Scarce - potentially occurs in region
	<i>Doros profuges</i>	Syrphidae	Nationally Near Threatened
	<i>Eriozona syrphoides</i>	Syrphidae	Nationally Scarce and declining
	<i>Meligramma guttatum</i>	Syrphidae	Nationally Scarce and declining
	<i>Microdon mutabilis</i>	Syrphidae	National distribution poorly understood
	<i>Sphaerophoria loewi</i>	Syrphidae	Nationally Near Threatened
	<i>Tanyptera nigricornis</i>	Tipulidae	Nationally Rare
	<i>Tipula alpina</i>	Tipulidae	Nationally Rare
	<i>Tipula grisescens</i>	Tipulidae	Nationally Rare
<i>Tipula hortorum</i>	Tipulidae	Nationally Rare	

True Bugs (Hemiptera)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Chiloxanthus pilosus</i>	Saldidae	Nationally Rare and Near Threatened

Bees, Wasps and Ants (Aculeates Hymenoptera)

Vernacular name	Scientific name	Family	Reason for inclusion
Brown-banded Carder Bee	<i>Bombus humilis</i>	Apidae	Known to have undergone major national decline
Moss Card Bee	<i>Bombus muscorum</i>	Apidae	Known to have undergone major national decline
	<i>Stelis ornatula</i>	Apidae	Nationally Rare
	<i>Osmia parietina</i>	Megachilidae	Nationally Rare
	<i>Podalonia affinis</i>	Sphecidae	Nationally Rare
	<i>Formica rufa</i>	Formicidae	Nationally Near Threatened and included on IUCN Red List (2010)

Moths (Lepidoptera)

Vernacular name	Scientific name	Family	Reason for inclusion
Goat Moth	<i>Cossus cossus</i>	Cossidae	Nationally Scarce – rare in Northern England – improved detection method
Cloaked Pug	<i>Eupithecia abietaria</i>	Geometridae	Nationally Rare
Small Eggar	<i>Eriogaster lanestris</i>	Lasiocampid ae	Nationally Vulnerable
Grass Eggar	<i>Lasiocampa trifolii</i>	Lasiocampid ae	Nationally Scarce – may be in decline locally
	<i>Monochroa tetragonella</i>	Gelechiidae	pRDB1 - Equivalent to Nationally Rare
	<i>Anacampsis temerella</i>	Gelechiidae	pRDB2 – Equivalent to Nationally Rare
Least Minor	<i>Photedes captiuncula</i>	Noctuidae	Nationally Rare
	<i>Scythris fallacella</i>	Scythrididae	pRDB1 - Equivalent to Nationally Rare
Large Red-belted Clearwing	<i>Synanthedon culiciformis</i>	Sessidae	Nationally Scarce and distribution poorly known – improved detection method

Damselflies (Odonata)

Vernacular name	Scientific name	Family	Reason for inclusion
Scarce Blue-tailed Damselfly	<i>Ischnura pumilio</i>	Coenagrionidae	Nationally Near Threatened
Variable Damselfly	<i>Coenagrion pulchellum</i>	Coenagrionidae	Nationally Near Threatened

Caddisflies (Trichoptera)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Anabolia brevipennis</i>	Limnephilidae	Nationally Rare and Vulnerable

Stoneflies (Plecoptera)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Isogenus nubecula</i>	Perlodidae	Nationally Critically Endangered (Possibly Extinct) – could occur in region

Spiders (Araneae)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Gnaphosa nigerrima</i>	Gnaphosidae	Nationally Rare and Vulnerable
	<i>Carorita limnaea</i>	Linyphiidae	Nationally Rare and Vulnerable
	<i>Mioxena blanda</i>	Linyphiidae	Nationally Rare

Woodlouse (Isopoda)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Armadillidium pictum</i>	Armadillidiidae	Nationally Scarce - potentially occurs at more sites

Terrestrial molluscs (Mollusca)

Vernacular name	Scientific name	Family	Reason for inclusion
	<i>Vertigo (Vertilla) angustior</i>	Vertiginidae	Nationally Vulnerable