

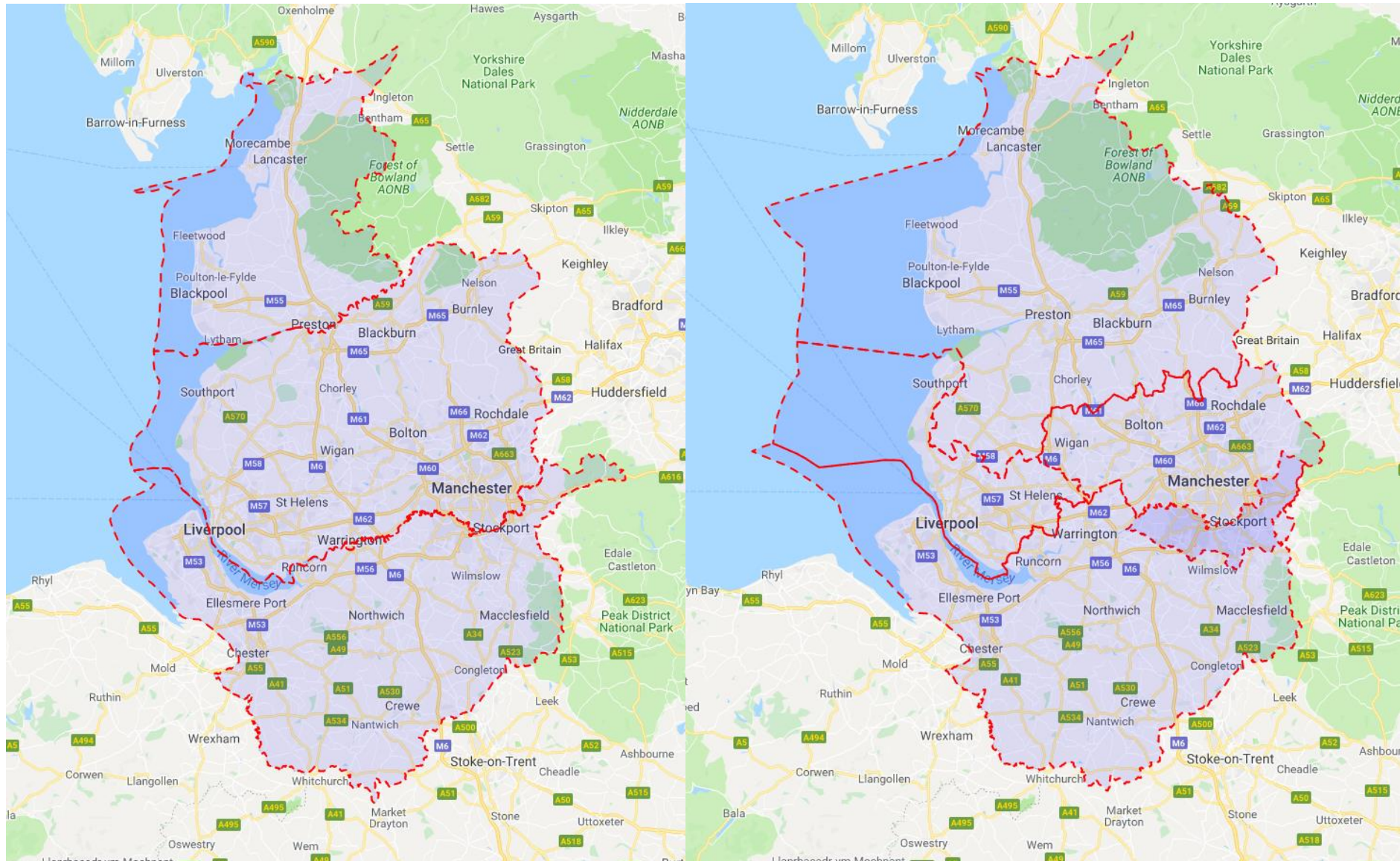
The Tanyptera Project

2017 - 2022



By Gary Hedges

Dedicated to promoting the study and conservation of insects and other invertebrates in the Lancashire and Cheshire region



vice counties 58-60 and modern county boundaries

Outline

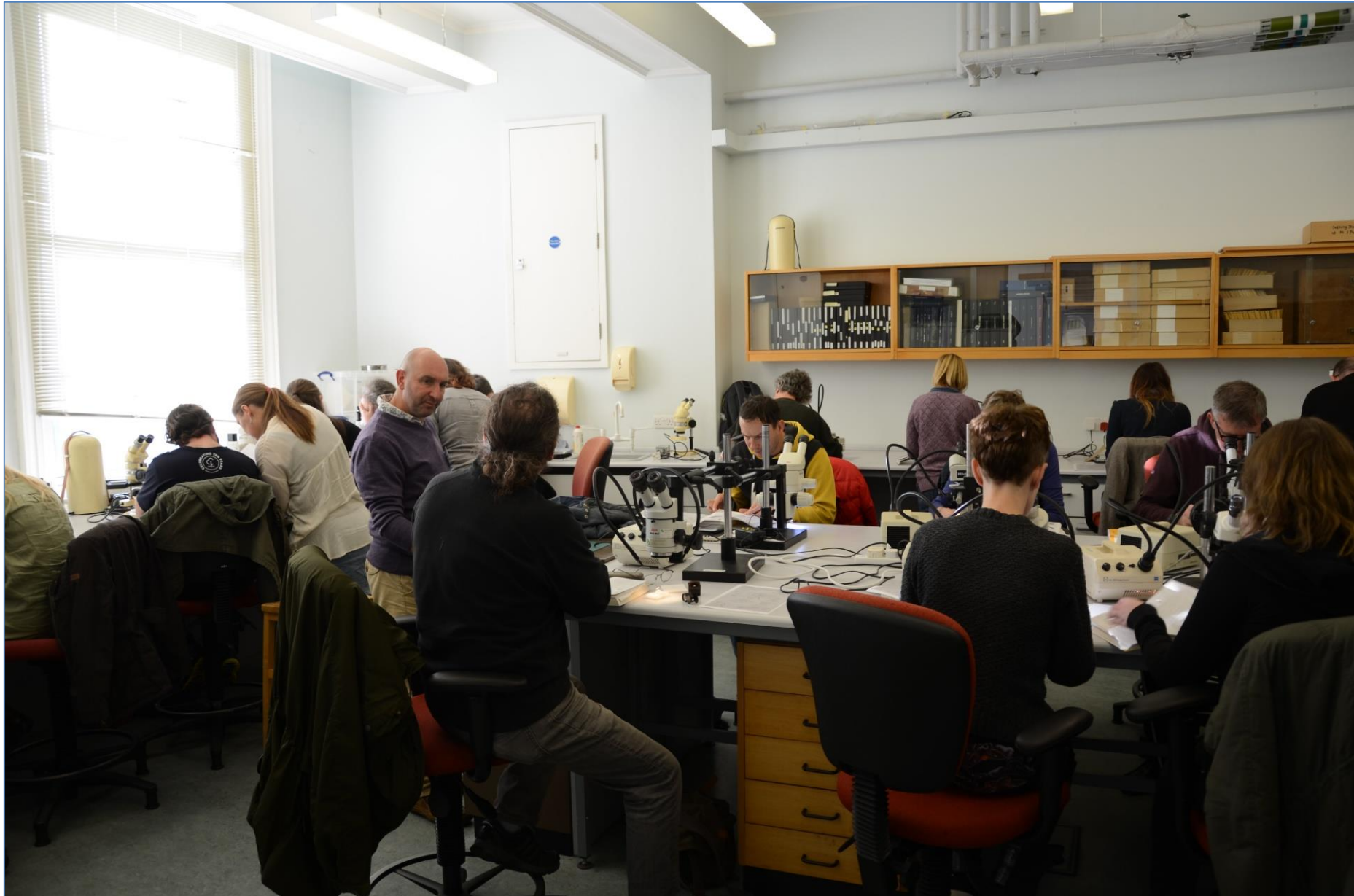
- An initial **5-year** project funded by **Tanyptera Trust**
- Full-time project officer based in the entomology department at World Museum, Liverpool
- **Steering group:** Dr Steve Judd, Dr Phil Brighton, Steve Garland, Dr Ian Wallace



Aims

- Improve the skills of invertebrate recorders
- Inform and inspire future entomology and invertebrate conservation in the region
- Raise the profile of invertebrates with the wider public
- Improve the quality of invertebrate recording
- Identify regionally important species and assemblages
- Improve our understanding of the status and distribution of the region's rare and threatened invertebrates
- Improve access to data about invertebrates

FREE Training.....25 workshop in 2018



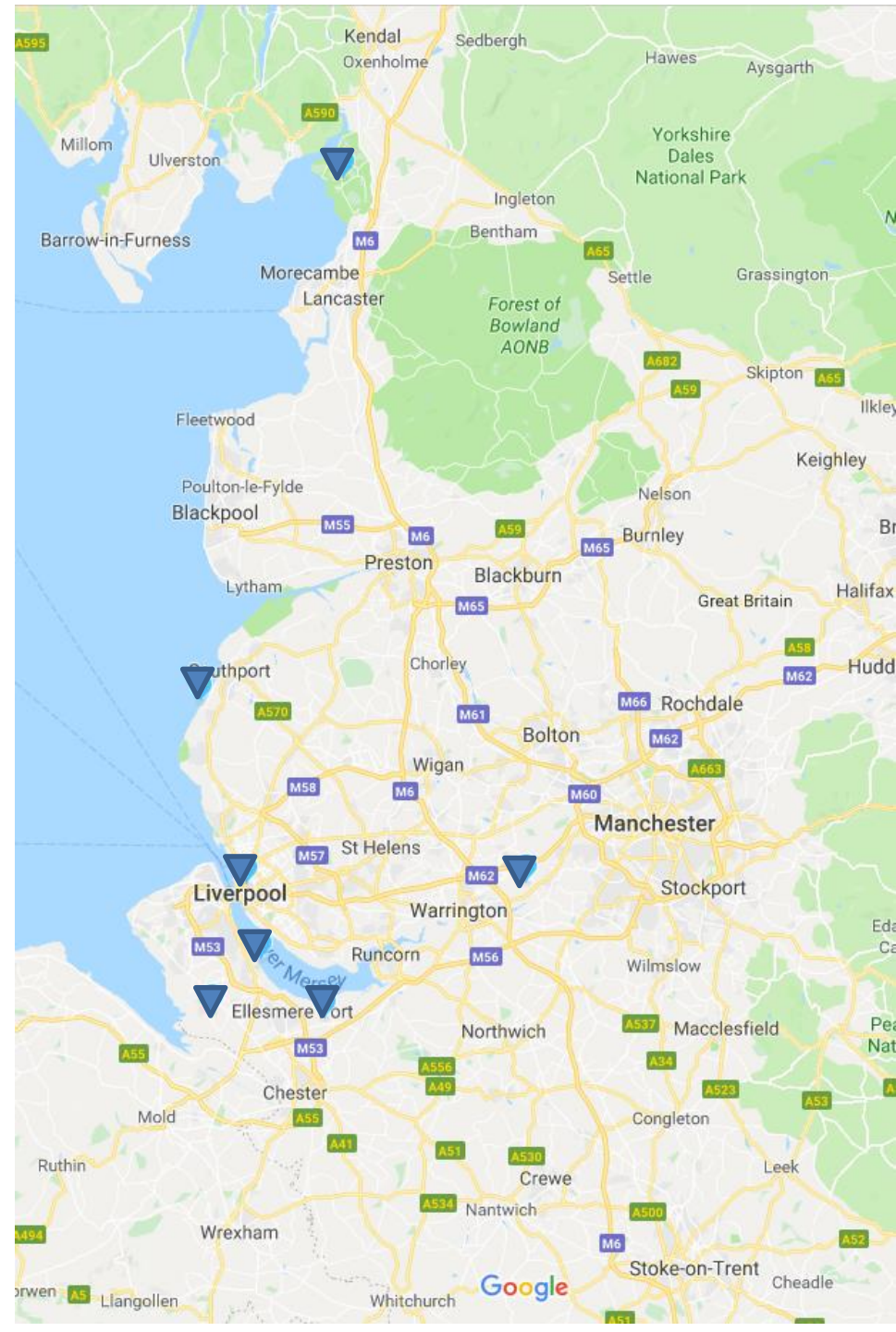
Of freshwater relevance

2018

- Dragonflies and Damselflies with Tony Parker – 2 days
- Introduction to Mosquito ID with Thom Dallimore – 1 day
- Caddis featured in ‘Insects at Light’ course in 2017

2019

- Dragonflies and Damselflies with Tony Parker – 2 days
- Mosquito male genitalia ID with Thom Dallimore – 1 day
- Aquatic Bugs with Peter and Sharon Flint – 1 day



Start Date	No. days	Subject	Leader
18/01/2019	1	Springtails	Peter Shaw
19/01/2019	2	Bees	Steven Falk
22/02/2019	1	Leafhoppers	Alan Stewart
15/03/2019	1	Weevils	Peter Hodge
05/04/2019	2	Centipedes	Tony Barber
26/04/2019	2	Dung Beetles	Ceri Watkins and Darren Mann
08/06/2019	1	Spiders	Richard Burkmar
22/06/2019	2	Dragonflies and Damselflies	Tony Parker
10/08/2019	1	Shieldbugs and grasshoppers	Phil Smith
14/09/2019	2	Slugs	Chris Du Feu
04/10/2019	1	Mosquitos	Thom Dallimore
18/10/2019	1	Dolichopodidae flies	Martin Drake
15/11/2019	1	Aquatic Bugs	Pater and Sharon Flint

www.northwestinvertebrates.org.uk

Contact us | Subscribe |  



North West Invertebrates

Promoting the study and conservation of invertebrates in the North West



[Home](#) | [About us](#) | [Events](#) | [Species](#) | [Recording](#) | [Grants](#) | [Resources](#) | [Blog](#)

Welcome

We hope this site will promote invertebrate recording and conservation in Lancashire, Merseyside and Cheshire.

6 July 2018 Notice

Summer 2018 newsletter

Featuring: more free workshops and web resources, recording days highlights and early horsefly survey results



Funded by the Tanyptera Trust and supported by National Museums Liverpool.



Latest Blogs

SPECKLED BUSH-CRICKET: 2ND SEFTON COAST LOCALITY DISCOVERED

On 24th August 2018 while sweep-netting for shieldbugs at Falklands Way, Ainsdale, Phil Smith netted two male Speckled Bush-crickets (*Leptophyes punctatissima*) from a Wild Privet bush near to back gardens at SD303116.

According to Phil,...

[Read more »](#)

DAY OF THE LIMNEPHILIDS

Most large insects are inactive over winter. An

Upcoming Events

RECORD DROP-IN SESSION (CHESTER ZOO)

10th Oct 2018 7:15 pm - 10:00 pm

A monthly drop-in session supported by RECORD, Chester Zoo and the Tanyptera Project. Time: 19:15 - 22:00 Venue: Mottershead Suite, Cedar House, Chester Zoo. No need to book or be present for the whole session...

[Read more »](#)

SEPSID FLY IDENTIFICATION

13th Oct 2018 10:30 am - 4:00 pm

Many members of the Sepsid flies are small and ant-like owing to their olivaceous black and

Latest Resources

A PROVISIONAL CHECKLIST OF TESTACEOUS NOCTURNAL ICHNEUMONOIDEA FOR LANCASHIRE AND CHESHIRE (VC58,59,60)



[Download Now](#)

THE STATUS AND DISTRIBUTION OF THE JUMPING SPIDER SITICUS FLORICOLA IN NORTHWEST ENGLAND AND WALES

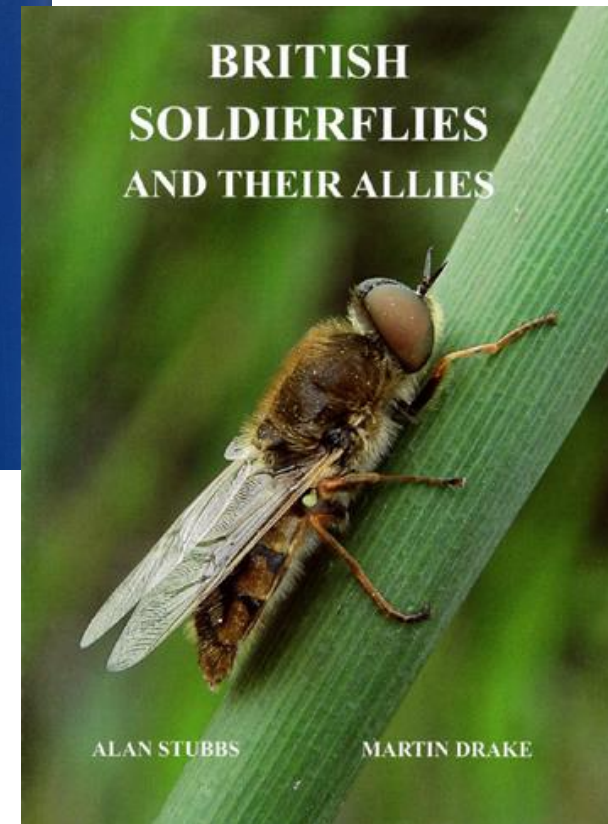
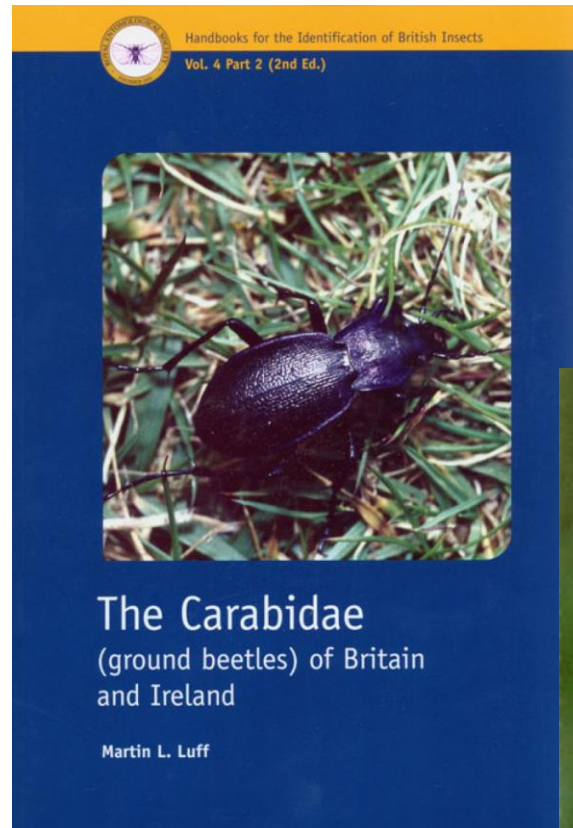


[Download Now](#)

THE STATUS AND DISTRIBUTION OF THE



Book and microscopes loans



Borrow for up to 6 months.....

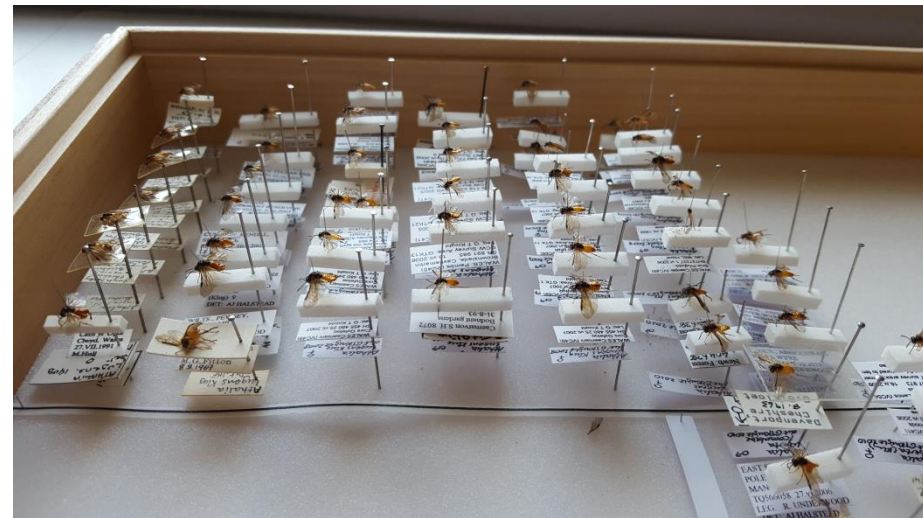
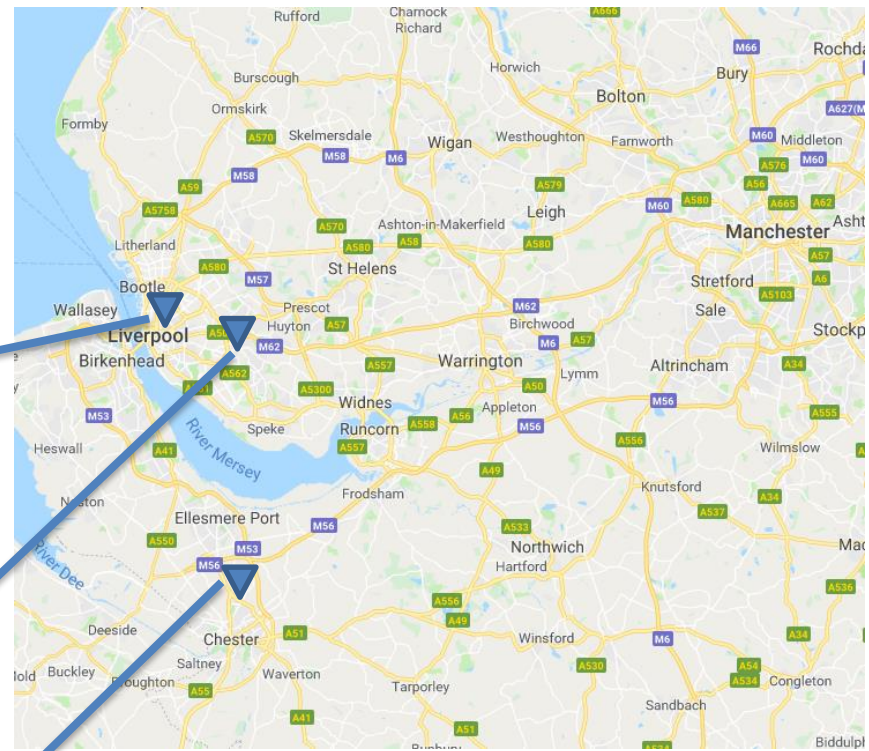
Drop-in Sessions

Entomology Collection Days

- 3rd Thursday of every month 10:30 – 16:30 at World Museum

Evening sessions

- 3rd Thursday of every month 18:30 – 20:30pm at Court Hey Park, Broadgreen
- 2nd Wednesday of every month 19.15 – 22:00 at Chester Zoo

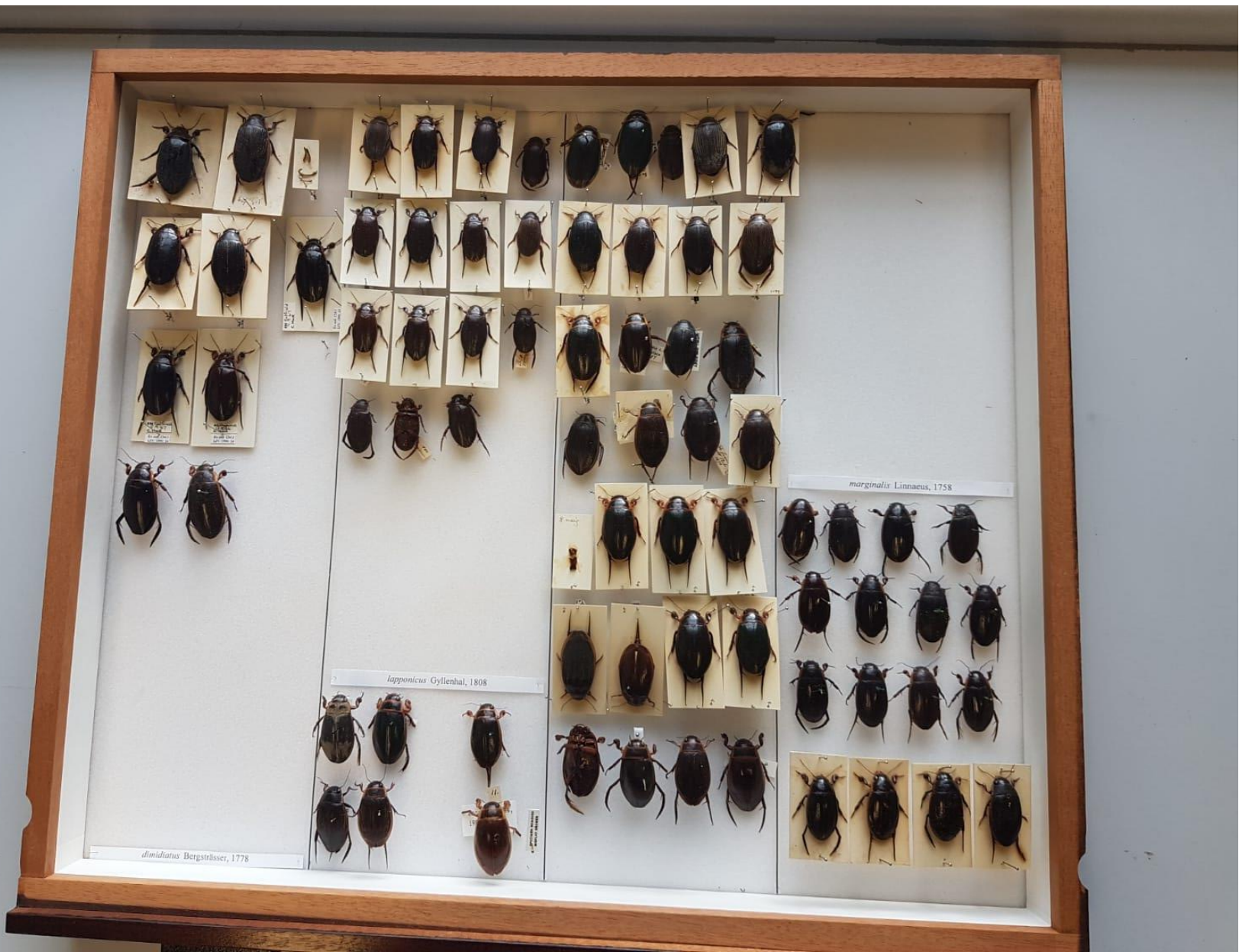




National Museums Liverpool
Museums Liverpool National
Liverpool National Museums

World Museum

National
Museums
Liverpool



dimidiatus Bergsträsser, 1778

lapponicus Gyllenhal, 1808

marginalis Linnaeus, 1758

RANATRINAE

RANATRA Fabricius, 1790



cimicoides (Linnaeus, 1758)

APHELOCHEIRIDAE



[aestivalis] (Fabricius, 1794)

NOTONECTIDAE

NOTONECTA Linnaeus, 1758



linearis (Linnaeus, 1758)

NAUCORIDAE



Novocoris maculifrons (Fulc.)



See notes on back



See notes on back

marmorata (Fabricius, 1803)



obliqua Gyllen, 1787



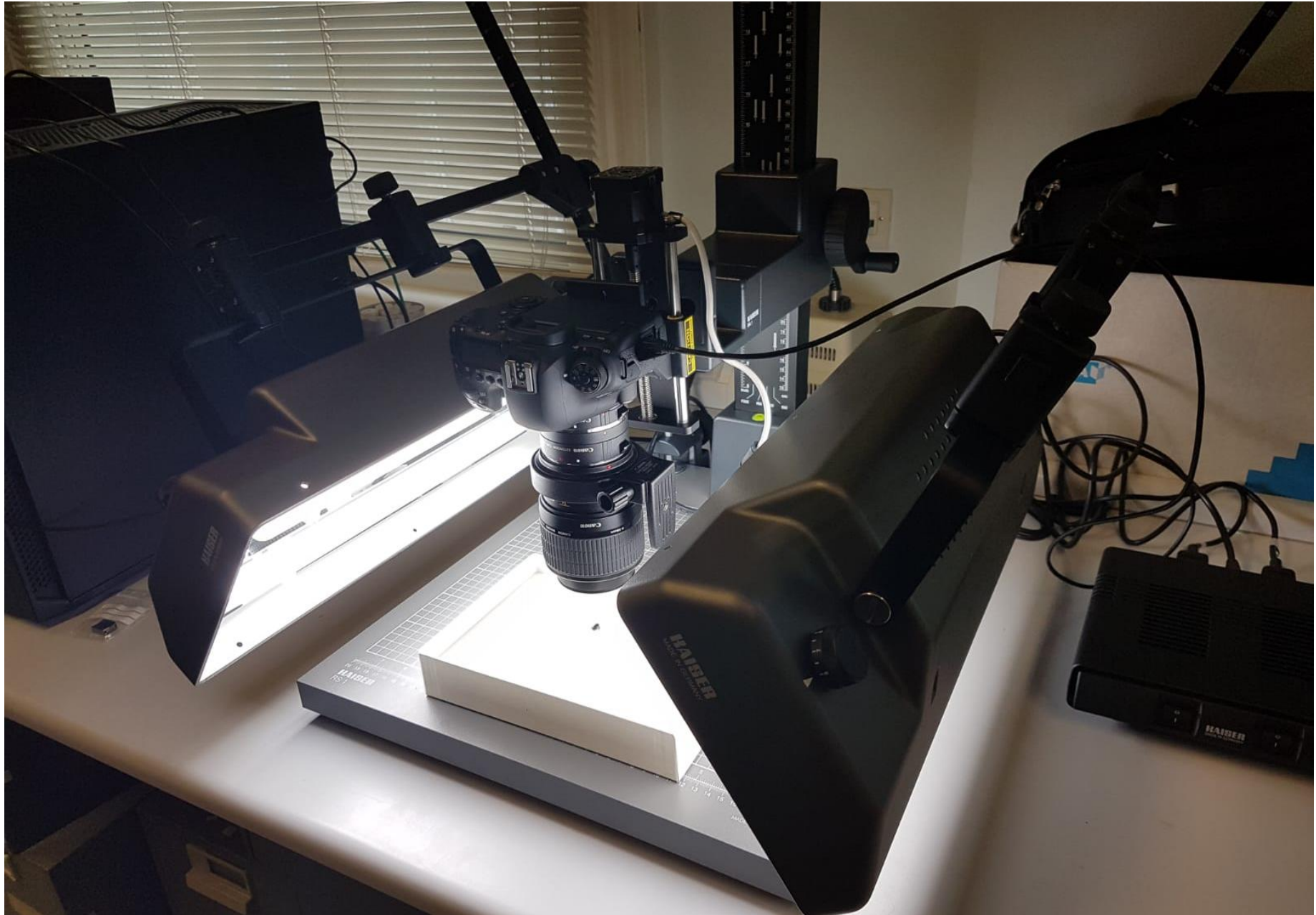
maculata Fabricius, 1794







Improving facilities for recorders

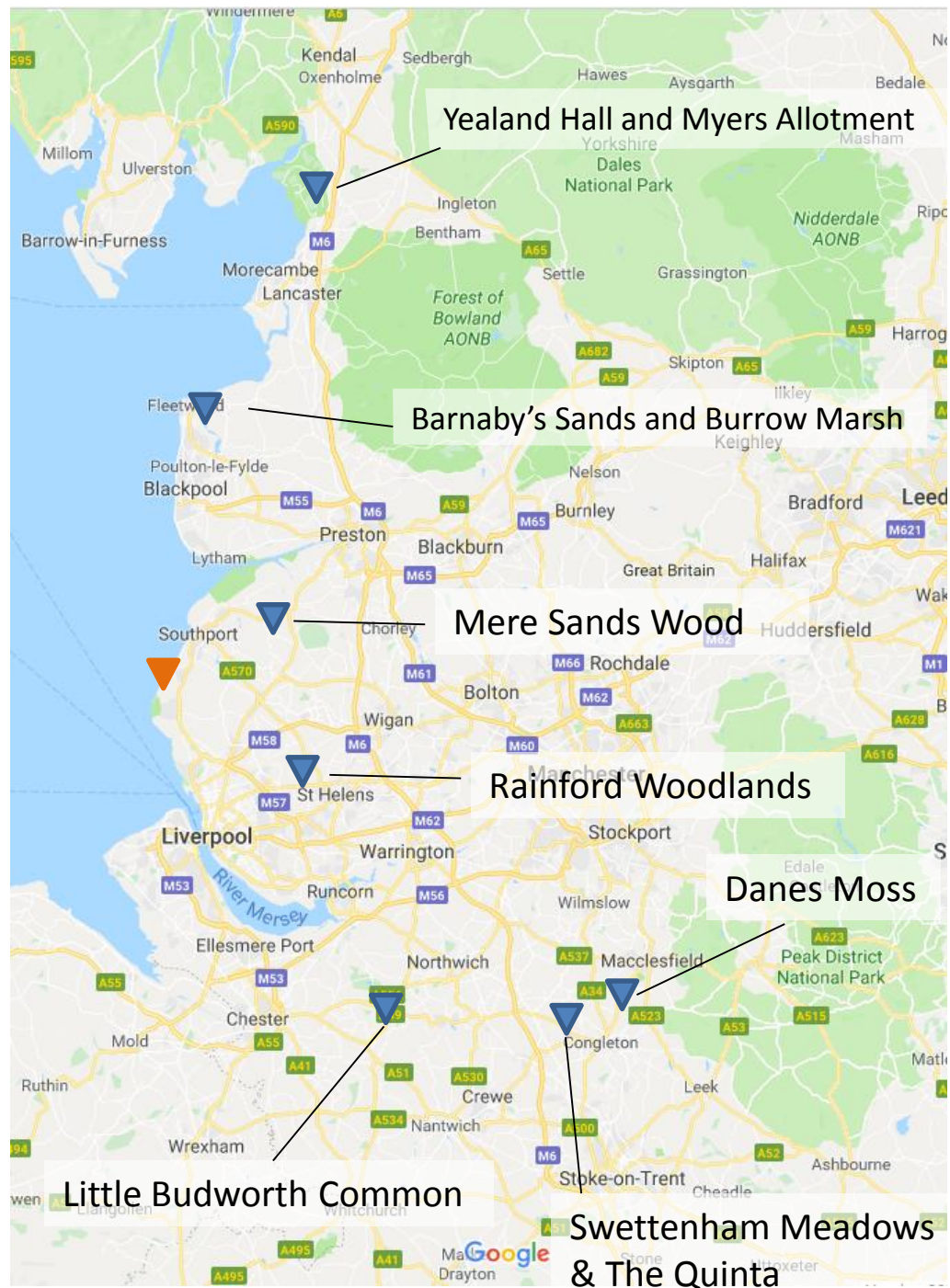




Invertebrate Recording Days



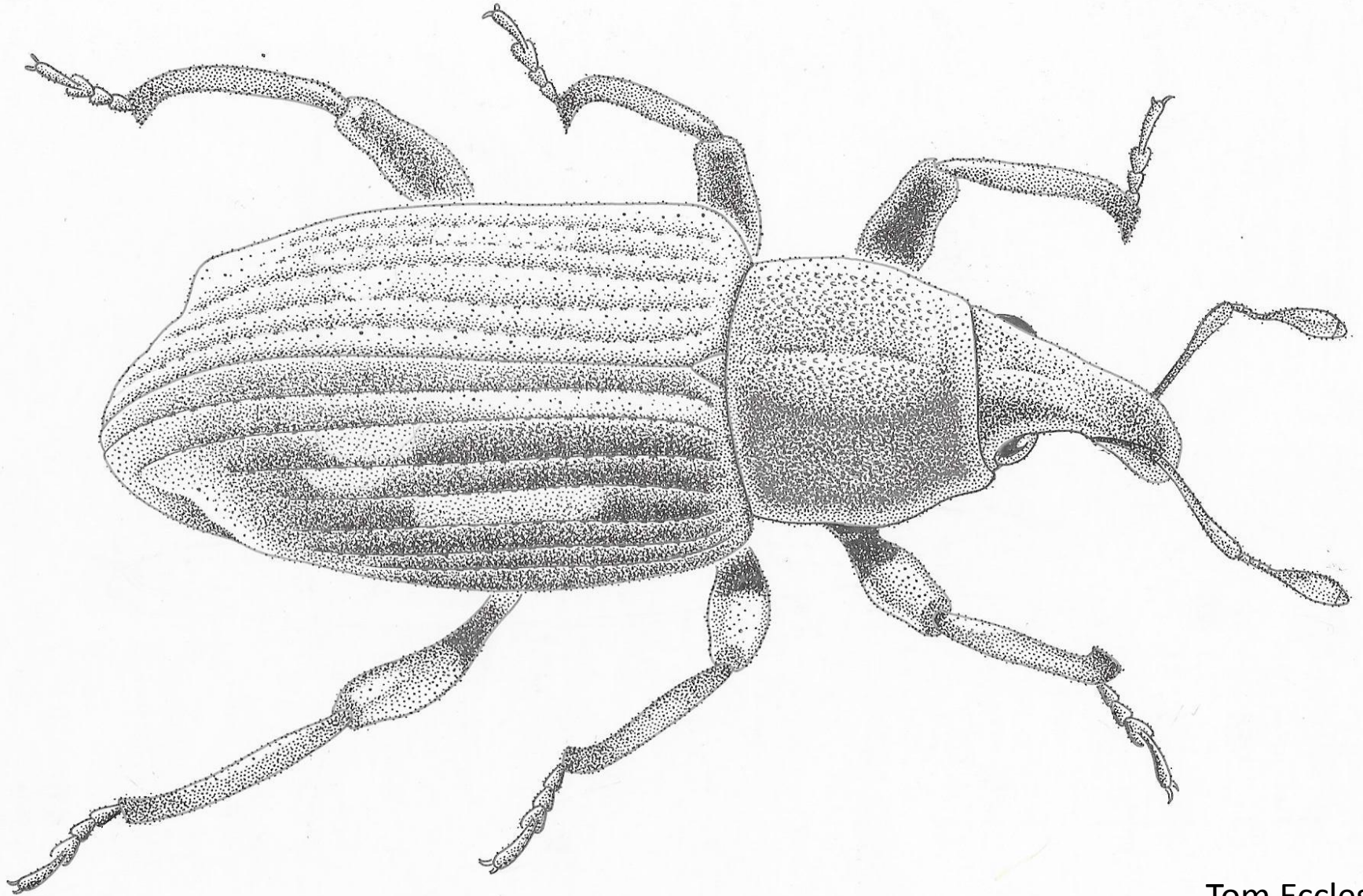
- 7 organised days in 2018, covering 9 sites
- Collecting baseline data at under-recorded or private sites, often with a project priority species previously recorded.
- Bringing volunteer entomologists together
- Not public Bioblitzes



Bagous Day – 25th May 2018



The target.....*Bagous lutosus*



Tom Eccles



Bagous lutulentus

- c.20 specimens found by Garth Foster, Sue Foster and Gary Hedges in a single pond at Ainsdale.
- A single specimen found on the dunes by Tom Eccles
- Horsetail feeder
- No *Bagous lutosus* or *limosus* found on the day
- Systematic search to be commissioned in 2019 following current botanical survey



Mark Gurney

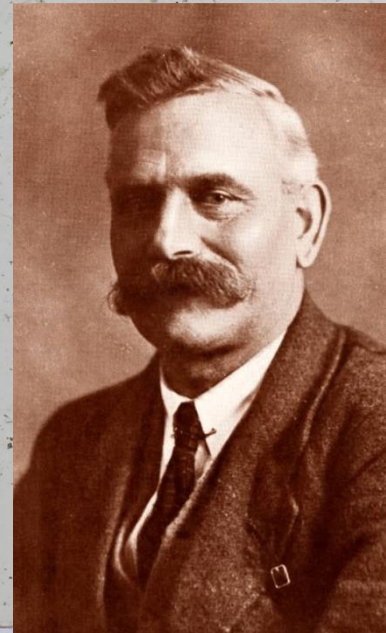


LNR
13
10/09/13

Water Plant Survey of Ainsdale Sand Dunes NNR and Ainsdale and Birkdale Sandhills LNR Dune Scrapes

Location:	Ainsdale and Birkdale Sandhills LNR		Surveyor (s):	Natalie Hunt	
Date:	10/09/2018	Slack No.	13	Grid Ref:	SD 30728 13605
Water Body Features			DAFOR Score		
pH	7.76	D	Dominant (>75%)		
Conductivity (µS/cm)	545	A	Abundant (51-75%)		
Temperature (°C)	14.9	F	Frequent (26-50%)		
% Pond surface area shaded*	0	O	Occasional (11-25%)		
% Pond margin shaded *	0	R	Rare (1-10%)		
Water Plants Survey					
Taxon	English Name		DAFOR		
<i>Agrostis stolonifera</i>	Creeping Bent		A		
<i>Berula erecta</i>	Lesser Water-parsnip		O		
<i>Blysmus compressus</i>	Flat Sedge		O		
<i>Bolboschoenus maritimus</i>	Sea Club-rush		F		
<i>Chamaenerion angustifolium</i>	Rosebay Willowherb		R		
<i>Eleocharis palustris</i>	Common Spike-rush		O		
<i>Equisetum palustre</i>	Marsh Horsetail		R		
<i>Equisetum variegatum</i>	Variegated Horsetail		R		
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort		F		
<i>Juncus articulatus</i>	Jointed Rush		R		
<i>Juncus bufonius</i>	Toad Rush		O		
<i>Lemna minor</i>	Common Duckweed		R		
<i>Lycopus europaeus</i>	Gypsywort		O		
<i>Lythrum salicaria</i>	Purple Loosestrife		R		
<i>Mentha aquatica</i>	Water Mint		F		
<i>Myosotis laxa</i>	Tufted Forget-me-not		R		
<i>Persicaria amphibia</i>	Amphibious bistort		O		
<i>Phalaris arundinacea</i>	Reed Canary-grass		R		
<i>Plantago major</i>	Greater Plantain		R		
<i>Ranunculus flammula</i>	Lesser Spearwort		R		
<i>Rumex crispus</i>	Curled Dock		R		
<i>Salix repens</i>	Creeping Willow		O		
<i>Schoenoplectus lacustris</i>	Common Club-rush		A		
<i>Solanum dulcamara</i>	Bittersweet		R		
<i>Typha latifolia</i>	Bulrush		F		
Additional Comments					
Very popular area for dog walkers. This scrape is heavily disturbed on a daily basis.					
*Shading measurements as per the Freshwater Habitat Trust Pond Habitat Survey Method					

Atylotus plebeius
The Cheshire Horsefly







2018/06/09



2018/06/09

Atylotus plebeius (Fallén) (Diptera, Tabanidae) in Britain, including discoveries made during 2018

ANDREW GRAYSON

'Scardale', High Lane, Beadlam, Nawton, York, North Yorkshire, YO62 7SX

Summary

Prior to the extremely fine summer of 2018, *Atylotus plebeius* (Fallén, 1817), which was rather appropriately given the vernacular name Cheshire Horsefly by Stubbs and Drake (2001, 2014), had not been recorded in Britain during the 21st Century; indeed, there were doubts as to whether it remained extant in Britain. It is therefore pleasing to report that in Cheshire (V.C. 58) during June 2018, it was re-discovered at one quaking bog in the Abbots Moss complex [Shemmy Moss, SJ 5949 6892], three quaking bogs on Little Budworth Common [Central Moss, SJ 5850 6574; East Moss, SJ 5859 6570; and Whitehall Moss, SJ 5878 6580] and at Wybunbury Moss [SJ 6965 5021], which also features areas of quaking bog. It is clear that *A. plebeius* maintains small, but viable, populations on quaking bog habitats at the aforementioned sites, none of which are imminently at risk of degradation or destruction.

History

Verrall (1909) stated that *Atylotus plebeius* (Fallén, 1817) would probably occur in Britain; albeit, his reasoning was merely that it had been found in France and Denmark. Nevertheless, *A. plebeius* was indeed found in Britain only two years later; the details were published by Goffe (1931), who wrote: 'Although Verrall stated that this species would probably occur with us (Brit. Flies, V. p. 381) I had not seen a published report of its capture; I was, therefore, agreeably surprised to find specimens in the British Museum [now The Natural History Museum, London] collection taken by Mr. H. Womersley in Cheshire and labelled "Delamere Forest, July 15th, 1911," and "Abbott's Moss, July 22nd, 1911," respectively. The species must surely occur elsewhere in the British Isles.' We cannot be exactly sure where Womersley took his specimens of *A. plebeius*, as both these localities refer to broad areas which would have contained several suitable quaking bog habitats at the time.

Goffe (1931) was soon superseded as the most recent standard British work on Tabanidae by Edwards *et al.* (1939), in which the Tabanidae section was written by Harold Oldroyd; this in turn was superseded by Oldroyd (1969), but neither of these works divulged any additional British localities for *A. plebeius*. In turn, Oldroyd (1969) was superseded as the standard British work on Tabanidae by Stubbs and Drake (2001), which listed the following localities and dates span: Delamere, 1911; Abbots Moss, between 1911 and 1941; Newchurch Common, between 1940 and 1945 (Goffe 1944; Collin 1945); Bettisfield, 1955; Wybunbury Moss, 1969; Whixall Moss, between 1969 and 1980; and 'a bog between Abbots Moss and Newchurch Common in the mid 1990s'. This last unnamed bog refers to the writer's discovery of a male and female *A. plebeius* at Shemmy Moss on 21.vii.1996. The record of the Shemmy Moss male was published in Grayson (1997) under the locality name 'a kettlehole bog near Nunsmere'. Stubbs and Drake (2014) added Budworth Common (Taylor 2000) as a further British site for *A. plebeius*. This refers to Little Budworth Common, which is situated southwards of the Abbots Moss/Newchurch Common areas, and not between those two localities as stated in Stubbs and Drake (2014) due to a text insertion error.

Much of the locality data in Stubbs and Drake (2001, 2014) relates to specimens in the World Museum, Liverpool, many of which were collected by H.L. Burrows, who was also responsible for finding *A. plebeius* on at least two occasions at Wybunbury Moss (21.vii.1956 and 30.vi.1969) according to records held by the Soldierflies and Allies Recording Scheme. Prior

to 2018, the last time *A. plebeius* was found in Britain was a solitary female at Shemmy Moss (Fig. 1) by the author on 24.vii.1999.



Fig. 1. Quaking peat bog habitat at Shemmy Moss, part of the Abbots Moss mire complex, 7 June 2018 (© Andrew Grayson).

Findings during 2018

The author was invited to carry out a survey of the horsefly fauna of the Cheshire Plain area during 2018 by Gary Hedges (World Museum, Liverpool), who obtained permissions to investigate more than 50 Cheshire Plain bogs, which are alternatively referred to as mires, or 'mosses'. The principal target of the survey was *Atylotus plebeius*, and it is pleasing to report that this nationally endangered fly not only persists as a British species, but is present on at least three well-separated Cheshire sites.

The precise habitat for *A. plebeius* is quaking bog [alternatively often referred to by the German term 'schwimgmoor'], which is the type of bog characterised by a floating mat of *Sphagnum* and other bog plants, typically at least half a metre thick, and often covering quite deep water bodies underneath. The quaking bogs on which *A. plebeius* was found during 2018 are all very similar in characteristics, having a thick floating mat surface of *Sphagnum* and other plants, with *Vaccinium oxycoccos* [Bog Cranberry], *Drosera* [sundews] and *Calluna vulgaris* [Heather] as conspicuous elements, and the mat entirely covering the water held beneath.

The 2018 findings [those of the author unless stated otherwise] were as follows. *A. plebeius* was initially re-discovered at Shemmy Moss on 9.vi.2018 (both sexes) during a brief visit, accompanied by Gary Hedges; a male was also present on the following day. Brief visits to Little

Budworth Common on 10.vi.2018 and 27.vi.2018 produced *A. plebeius* from all three of its true quaking bogs [Central Moss, East Moss and Whitehall Moss] on both occasions. Females were found on both occasions, but the majority of individuals were males. *Atylotus plebeius* was also swept from Whitehall Moss by John Mousley during the Dipterists Forum Summer Field Meeting on 26.vi.2018. Also during the same Dipterists Forum meeting, the author observed, from a metre distance, a female *A. plebeius* at Wybunbury Moss on 24.vi.2018. This female was positioned slightly to the right of the centre of a cow's face, and was apparently trying to take a blood-meal, which is not a recorded activity for this fly. It had earlier been seen around the animal's hind legs. Rob Wolton visited Wybunbury Moss two days later and photographed a female *A. plebeius* (Fig. 2) near the centre of the bog.

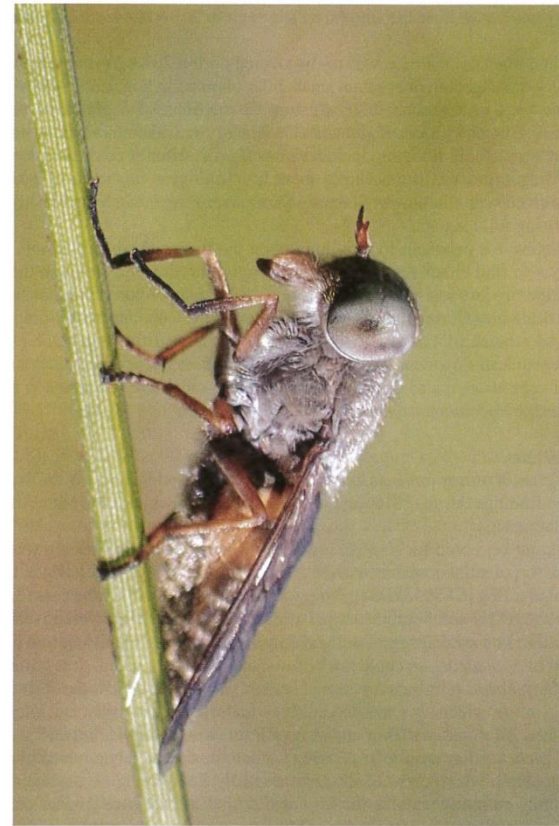


Fig. 2. Female of *Atylotus plebeius* at Wybunbury Moss, 26 June 2018 (© Rob Wolton).

Small Grants Scheme – fund £6000 per year

Project Title	Aim / Rationale	Award Date
<i>Aphodius (Sigorus) porcus</i> in Lancashire (VC59 and VC60) and Cheshire (VC58)	Collate historical records, ascertain status at known localities, and identify and survey suitable habitat at new localities at which <i>Sigorus porcus</i> may be present	24th Aug 2018

Deadlines for applications	None
Decision response time	Within three weeks
Grants amounts	Up to £750 – can go towards expenses and equipment
Eligibility	Recorders (over 18s only), recording groups and conservation organisations.

Small Grants Scheme

A. Invertebrate recording

Species: Conducting basic surveys / searches or setting up surveillance recording for one or more of the project's [Priority Species List](#).

Taxon groups: Structured biological recording of one or more of the project's current priority groups. These are usually those groups that are least recorded invertebrate

Sites and habitats: Structured biological recording of particular sites and habitats / microhabitats of your own suggestion supported by a clear rationale. Examples: brownfield sites with ongoing or proposed restoration schemes, areas with little or no invertebrate data, or habitats with little or no attention such as river sands and shingle.

Accommodating national recording schemes and societies: To assist with accommodation and access to facilities for field meetings within the region. Excludes marine recording schemes.

B. Data digitalisation and summarising

Digitalisation of specimen data or records from historical literature or datasets: Priority will be given to recent, high quality datasets of under-recorded invertebrate groups. Grants may only cover T&S costs of visiting museums and records centres.

County / vice county checklists: Verifying data as part of creating and maintaining up to date county and vice county checklists for invertebrate groups. Grants can cover T&S costs of visiting museums, records centres and private collections.

Invertebrate reference lists and priority species accounts: Gathering and updating regional reference lists for invertebrate groups or writing accounts for the project's priority species. Grants can cover T&S costs of visiting museums, records centres or private collections.



Aquatic and Terrestrial Invertebrate Phylum, Class and Order Priority List

Criteria

- A) Groups with fewer than 500 records within the Tanyptera Project region according to LERC data if more than 25 British species in order / class
- B) OR Groups with fewer than 25 British species AND fewer than five records within the Tanyptera Project region per total British species since 1 January 2007 according to LERC data.

- Booklice & Barklice Psocoptera
- Bristletails Archaeognatha
- Centipedes Chilopoda
- Fleas Siphonaptera
- Freshwater Sponges Porifera
- Lacewings Neuroptera
- Mayflies Ephemeroptera
- Pauropoda
- Pseudoscorpions Pseudoscorpiones
- Roundworms Nematoda - free living sp.
- Silverfish Thysanura
- Simpletails Protura
- Snakeflies Raphidioptera
- Springtails Collembola
- Stoneflies Plecoptera
- Thrips Thysanoptera
- Two-tailed Bristletails Diplura



Promoting the study and conservation of
invertebrates in NW England

Tanyptera Project Small Grant Scheme Application Form 2018

Your details

Name of applicant / group / organisation	
Name of applicant if applying on behalf of an organisation	
Address	
Email	
Phone number	

Project / survey details

Title	
Sum requested	£
Priority species / taxon group / site coverage	
Aims [max. 100 words]	
Approx. start and finish dates	
Brief description [max. 200 words]	

Outputs [max. 150 words]	
Estimated number of species records to be supplied to iRecord	
Experience relevant to the project / survey [max. 100 words]	
Spending breakdown <i>Depending on the number of applications received, the Tanyptera Trust might only be able to part-fund your project</i>	

Please enclose any printed information that you have about your recording group (if applicable) – e.g. a leaflet and / or annual report. We will contact you for further information if required.

Please return your application to Tanyptera Regional Entomologist.

You can expect to be contacted about the outcome of your application within three weeks of submission.



Gary Hedges (Tanyptera Regional Entomologist)
National Museums Liverpool
World Museum
William Brown Street
Liverpool
L3 8EN
Tel: 0151 478 4369
Email: gary.hedges@liverpoolmuseums.org.uk

Anabolia brevipennis

- National Rare – project priority species
- Grant supported Ian Wallace to check it's status at two principal Cheshire sites – no records for 20+ years
- Still Present at Wynbunbury Moss
- Not found at Danes Moss



Feeding damage now recognised and already used to help locate species in Norfolk



Ylodes simulans



- National Rare and Near Threatened
- Never previously recorded in Cheshire but occurs on the River Dee in Wales
- Grant supported Ian Wallace to check a potential suitable stretch of the River Dee, Cheshire



Environment

Rare jumping spider discovered in UK for first time ever

Small bog-dwelling arachnid may have survived unrecorded for thousands of years

Harry Cockburn | Wednesday 15 August 2018 18:51 | 22 comments



Click to follow
The Independent



Bog-dwelling jumping spider *Sibianor larae* was first recognised in 2001. It has now been discovered living in a bog in England (*Lukas Jonaitis/Wikimedia Commons*)

A rare species of jumping spider never recorded in the UK before has been discovered living in a nature reserve in **Cheshire**, scientists have said.

ADVERTISEMENT



Making county or regional checklists more available

139

Provisional Lancashire & Cheshire Checklists for Plecoptera, Ephemeroptera, Siphunculata and Ssiphonaptera

by
S. Cross

The following provisional checklists are based on the literature and Liverpool Museum records. A full data base is held at Liverpool Museum and further information is available on request. All new records will be gratefully received.

The Plecoptera - Stoneflies.

Taeniopterygidae

Taeniopteryx nebulosa (L.)	L	C
Brachyptera risi (Morton)	L	C

Nemouridae

Protonemura meyeri (Pictet)	L	C
Protonemura praecox (Morton)	L	C
Amphinemura standfussi Ris	-	C
Amphinemura sulcicollis (Steph.)	L	C
Nemurella inconspicua (Pictet)	L	C
Nemoura avicularis Morton	L	C
Nemoura cambrica Steph.	L	C
Nemoura cinerea (Retz.)	L	C
Nemoura erratica Claassen	L	C

Leuctridae

Leuctra fusca (L.)	L	C
Leuctra geniculata Steph.	L	C
Leuctra hippopus Kempny	L	C
Leuctra inermis Kempny	L	C
Leuctra moselyi Morton	L	C
Leuctra nigra (Ol.)	L	C

Capniidae

Capnia bifrons (Newman)	L	C
Capnia vidua Klapalek	L	C

Perlodidae

Isogenus nubecula Newman	-	C
Perlodes microcephala (Pictet)	L	C
Diura bicaudata (L.)	L	-
Isoperla grammatica (Poda)	L	C

Perlidae

Dinocras cephalotes (Curt.)	L	C
Perla bipunctata Pictet	L	-
Chloroperla torrentium (Pictet)	L	C
Chloroperla tripunctata (Scop.)	L	C

Provisional Check-list of Stoneflies of the LCES Region

	VC 48	VC 49	V50	VC 51	VC 52	VC 58	VC 59	V60
	Merionethshire	Caernarfonshire	Denbighshire	Flinthshire	Anglesey	Cheshire	South Lancashire	West Lancashire
Capniidae								
Capnia atra Morton, 1896								
Capnia bifrons (Newman, 1839)	X	X	X	X		X	X	X
Capnia vidua anglica Aubert, 1950	X	X				X		
Chloroperlidae								
Chloroperla tripunctata (Scopoli, 1763)	X	X	X	X		X	X	X
Chloroperla torrentium (Pictet, 1841)	X	X	X	X		X	X	X
Leuctridae								
Leuctra fusca (Linnaeus, 1758)	X	X	X	X	X	X	X	X
Leuctra geniculata Stephens, 1836	X	X	X	X	X	X	X	X
Leuctra hippopus Kempny, 1899	X	X	X	X	X	X	X	X
Leuctra inermis Kempny, 1899	X	X	X	X		X	X	X
Leuctra moselyi Morton, 1929	X	X	X	X				X
Leuctra nigra Olivier, 1811	X	X	X	X			X	X
Nemouridae								
Amphinemura standfussi (Ris, 1902)	X	X	X	X		X		
Amphinemura sulcicollis (Stephens, 1836)	X	X	X	X	X	X	X	X

2

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60
Nemoura avicularis Morton, 1894	X	X	X	X			X	X
Nemoura cambrica Stephens, 1836	X	X	X	X		X	X	X
Nemoura cinerea (Retzius, 1783)	X	X	X	X	X	X	X	X
Nemoura dubitans Morton, 1894								
Nemoura erratica Claassen, 1936	X	X	X	X	X	X	X	X
Nemoura lacustris Pictet, 1865								
Nemurella picteti Klapalek, 1900	X	X	X	X	X	X	X	X
Protonemura meyeri Pictet, 1841	X	X	X	X	X	X	X	X
Protonemura montana Kimmins, 1941								
Protonemura praecox (Morton, 1894)	X	X	X	X	X	X	X	X
Perlidae								
Dinocras cephalotes (Curtis, 1827)	X	X	X	X		X	X	X
Perla bipunctata Pictet, 1833	X	X	X	X				X
Perlodidae								
Diura bicaudata (Linnaeus, 1758)	X	X				X	X	X
Isogenus nubecula Newman, 1833				X		X		
Isoperla grammatica (Poda, 1761)	X	X	X	X	X	X	X	X
Isoperla obscura (Zetterstedt, 1840)								
Perlodes montoni (Klapalek, 1906)	X	X	X	X	X	X	X	X
Taeniopterygidae								
Brachyptera putata (Newman, 1838)								
Brachyptera risi (Morton, 1896)	X	X	X	X	X	X	X	X
Rhabdiopteryx acuminata Klapalek, 1905								
Taeniopteryx nebulosa britannica Hynes, 1957	X	X	X	X			X	X
Total species recorded	26	26	24	25	12	22	22	24

3


Making local information more available

COMP
CAT

Notiophilus aquaticus (L.) (1.)

Loc: Southport, Kersal Moor.

Ches: Wallasey, Chester, Hedwall, Helsby, Burslem
Delamere. Sharncliffe 14

L: W. Beeston (a.s.1.) Wms. Lync. IX. 167
Crosby. 170. Chal Moss. 71. Burslem Moss. Morley. 1.
Molyneux Brow VIII. 1918 Wm. Potter det Butler
Hightown Sandhills 1924 Rev. G. W. Grensted
Ashton Moss 5-7-1907 J. S. Cope; Grange over Sands 20-4-1943 G. E. Wright;
C: Goyt Valley ³⁰⁻⁵⁻¹⁹⁴¹ 5-6-1942 H. Britten;  Hollingworth Hall Moor (CJ)
L: High Arncliffe 30-6-1945 C. F. Griffiths; Outgate 30-6-1945 C. F. Griffiths;

FIFTH ANNUAL REPORT
OF THE
LANCASHIRE & CHESHIRE
ENTOMOLOGICAL SOCIETY.

SESSION 1881.

OFFICERS FOR THE YEAR 1882.

President.
S. J. CAPPER.

Vice-President.
NICHOLAS COOKE.

Hon. Secretary.
J. W. ELLIS, L.R.C.P., &c.

Hon. Librarian.
C. H. H. WALKER.

Liverpool:
C. WALKER, PRINTER.
MDCCCLXXXII

Lancashire
Wildlife
Journal No.1 1991



A Journal of Natural History
For the Lancashire Region

Manchester
Entomological Society.

—
TWENTIETH &
TWENTY-FIRST
ANNUAL REPORT
AND
TRANSACTIONS.

1922 and 1923.

—
PRICE 2/6.

Published by the Society.

DARWEN:
WESTERN AND WESTERN, THE PALATINE PRESS.

rust Zool
Lancashire
and
Cheshire Fauna Society

Publication No. 71
1977

SECRETARY'S ANNUAL REPORT FOR 1976
CHESHIRE NON-MARINE MOLLUSCA
NORMAN F. ELLISON
MACROLEPIDOPTERA REPORT FOR 1976
SYSTEMATIC LIST OF ODONATA FOR 1969 TO 1976
FOREIGN SPIDERS ACCIDENTALLY INTRODUCED

The Dragonflies of Lancashire and North Merseyside

Steve White and Philip H. Smith



Supporting publications

- Editing Cheshire Water Beetles Atlas – authored by Johnathan Guest and Andy Harmer



3.002

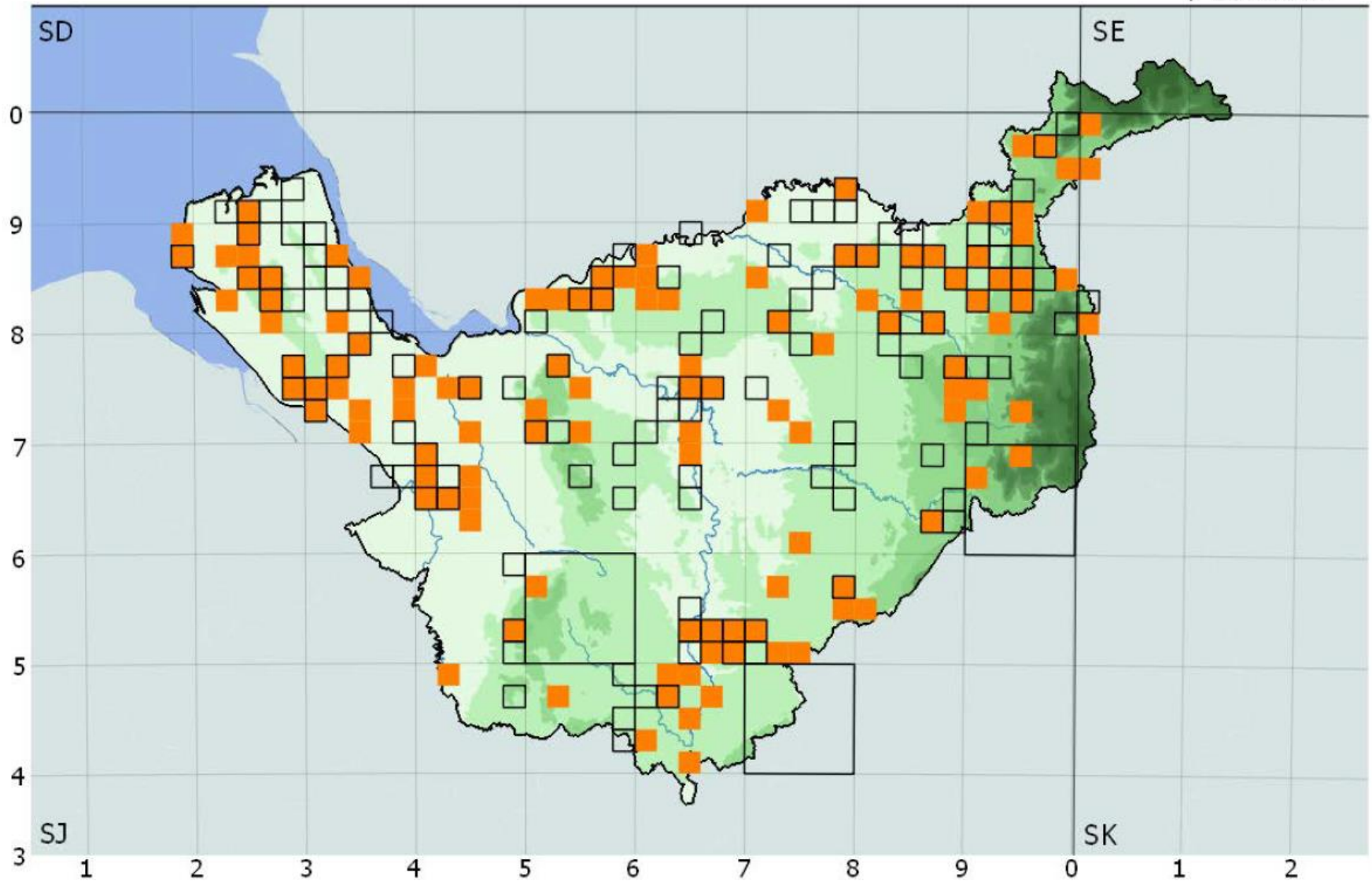
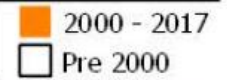
Common Swift

Korscheltellus lupulina

Total Records: 2289

Most Recent Record: 2016

VC58 Status: Widespread and common



Promoting OpenData



iRecord Terms and Conditions of Use

(c) you agree that your wildlife observations can be made publicly available for wider use.



North West Invertebrates

Promoting the study and conservation of invertebrates in the North West



- Home
- About us
- Events
- Species
- Recording
- Grants
- Resources
- Blog

Welcome

We hope this site will promote invertebrate recording and conservation in Lancashire, Merseyside and Cheshire.

6 July 2018 Notice

Summer 2018 newsletter

Featuring: more free workshops and web resources, recording days highlights and early horsefly survey results



Funded by the Tanyptera Trust and supported by National Museums Liverpool.



Latest Blogs

SPECKLED BUSH-CRICKET: 2ND SEFTON COAST LOCALITY DISCOVERED

On 24th August 2018 while sweep-netting for shieldbugs at Falklands Way, Ainsdale, Phil Smith netted two male Speckled Bush-crickets (*Leptophyes punctatissima*) from a Wild Privet bush near to back gardens at SD303116.

According to Phil...

[Read more >](#)

DAY OF THE LIMNEPHILIDS

Most large insects are inactive over winter. An

Upcoming Events

RECORD DROP-IN SESSION (CHESTER ZOO)

10th Oct 2018 7:15 pm - 10:00 pm

A monthly drop-in session supported by RECORD, Chester Zoo and the Tanyptera Project. Time: 19:15 - 22:00 Venue: Mottershead Suite, Cedar House, Chester Zoo. No need to book or be present for the whole session...

[Read more >](#)

SEPSID FLY IDENTIFICATION

13th Oct 2018 10:30 am - 4:00 pm

Many members of the Sepsid flies are small and ant-like owing to their glossy black and

Latest Resources

A PROVISIONAL CHECKLIST OF TESTACEOUS NOCTURNAL ICHNEUMONOIDEA FOR LANCASHIRE AND CHESHIRE (VC58,59,60)

Download Now



THE STATUS AND DISTRIBUTION OF THE JUMPING SPIDER SITTICUS FLORICOLA IN NORTHWEST ENGLAND AND WALES

Download Now



THE STATUS AND DISTRIBUTION OF THE



Get involved.....

- Book onto workshops and recording days
- Come along to Drop-in session evenings and Entomology Collections Days
- Borrow field guides and a microscope
- Apply for a grant to reimburse your expenses surveying a single species, priority taxon group or habitat type
- Offer your services as a workshop tutor or webpage author
- Write a new regional / county checklist for a family / order of freshwater invertebrates
- Join the North West Invertebrates Facebook Group

GET IN TOUCH.....



North West Invertebrates Group



0151 478 4369



gary.hedges@liverpoolmuseums.org.uk



@TanypteraGary



www.northwestinvertebrates.org.uk