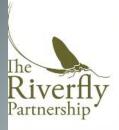


Riverfly Recording Schemes

Ian Wallace of the Caddis Recording Scheme







Menu

- o Home
- ▶ About
- ▶ Riverflies
- w Monitoring
 - o Sampling Sites
 - o Workshops
 - o Equipment
 - ▶ England
 - ▶ Wales
 - ▶ Scotland
 - o Northern Ireland
 - o History
- ▶ Conservation
- ▶ Riverfly Plus
- Diary of Events
- ▶ News
- o Photography Competition
- o Contact us

ARMI Database

- ARMI Data
- o New account registration

User login

Username: *

Password: *

Home » Monitoring

Anglers' Riverfly Monitoring Initiative

Nationally launched in March 2007

Riverfly Partnership tutors deliver one-day workshops to fishing clubs and other organisations committed to establishing a group to monitor the biological water quality of their local waters.



Anglers are natural guardians of the river environment, are in an ideal position to monitor the health of the watercourses they fish, by using the riverflies they aim to imitate with their artificial flies. Many angling and other interested groups expressed an interest to be able to carry out health checks on their waters. The Riverfly Partnership spearheads an initiative to allow interested groups to take action that will help conserve the river environment. This initiative provides a simple monitoring technique which groups can use to detect any severe perturbations in river water quality and puts them in direct communication with the local Ecological Contact of the Environment Agency (EA) / Scottish Environment Protection Agency - participating areas (SEPA) / National Resources Wales (NRW) / Northern Ireland Environment Agency (NIEA).

The monitoring scheme, used alongside routine monitoring by the EA / SEPA / NRW / NIEA, ensures that water quality is checked more widely and action taken at the earliest opportunity should any severe perturbations be detected. Further the monitoring initiative acts as a deterrant to incidental polluters. Successful schemes are underway within catchments in England, Wales, Scotland and Ireland.

Organisations interested in joining the initiative must have an individual prepared to act as a local coordinator (to act as a contact point between the EA / SEPA / NRW / NIEA and the montioring group) and have members attend an official one-day Riverfly Partnership workshop, run by an accredited Riverfly Partnership Tutor. The workshop includes presentations and practical demonstrations.

See press releases for examples of successful Environment Agency prosecutions which are a result of the Monitoring Groups alerting the EA to such incidences.



riverfly recording schemes

- Act as 'champions'
- Encourage recording
- Research and Conservation







Affiliated to:

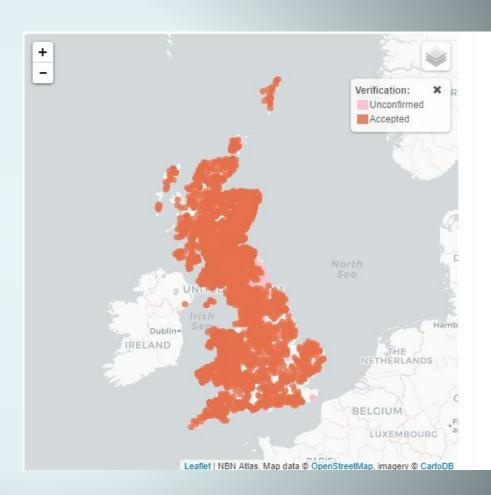






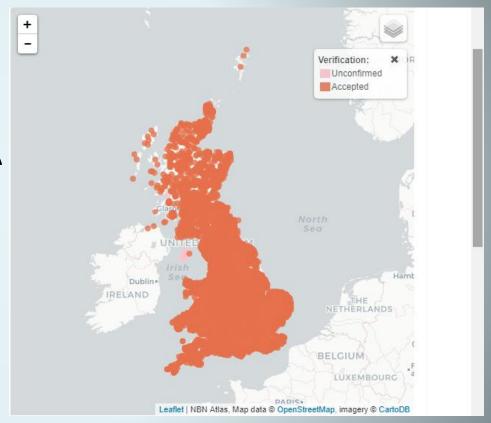
Stoneflies (Craig Macadam)

- On NBN up to 2005
- 71,000 entries
- Mainly EA and SEPA



Mayflies (Craig Macadam)

- On NBN up to 2017
- 232,000 entries
- Mainly EA and SEPA

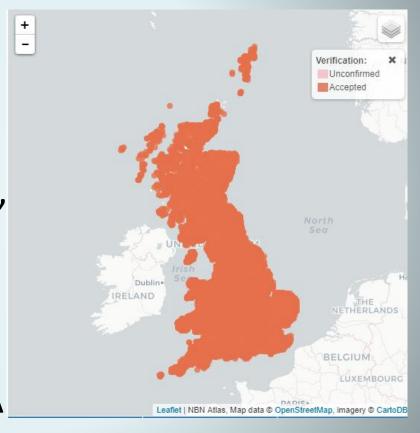


Caddis (Ian Wallace)

- On NBN to 2012
- 263,000 (on NBN)
- Current data base
 "nearly ready for NBN"

440,000

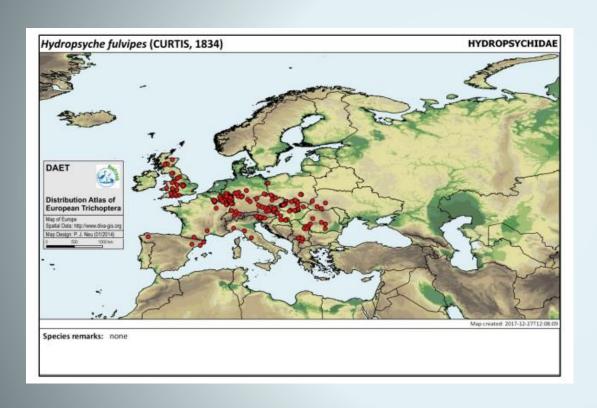
Many data sources under a half EA or SEPA

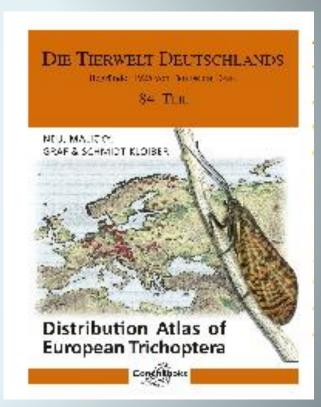


Looking ok?

- Yes but...
- EA cuts could decimate a highly effective multi—talented workforce and considerably reduce number of new records

Distribution Atlas of European Trichoptera (DAET)



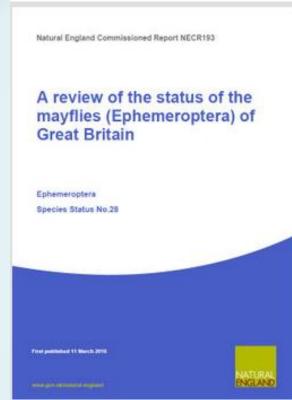


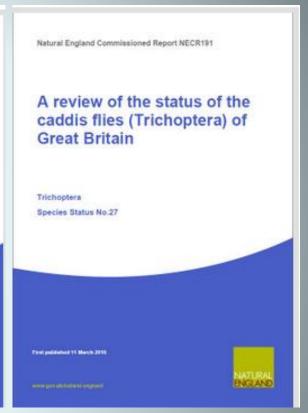


Triaenodes ochreellus

Status Reviews







Status Reviews

- Conservation status using IUCN criteria
- Based on analysis of numbers not hunches
- Justified searches for rare and data deficient species

Riverfly enthusiasts

- Willing to travel to see, then to look for elsewhere
- Very high quality 'twitching'

Isogenus nubecula



Extinct? No, re-discovered 2017 at its only UK site, the River Dee, North Wales

Potamanthus luteus



Now found widespread in the River Severn



Ironoquia dubia



First larvae seen in UK for over 40 years

Brachyptera putata



Help us find the Northern February red

The Northern February red stonefly (Brachyptera putata) is found only in Scottish rivers. We need your help to map which rivers it lives in. It's easy to get involved by following the three steps below:

Step 1

Look at fenceposts alongside the river in Take a picture of the stoneflies on the February and March to see if they have stoneflies on them.



Step 2

post.



Step 3

Send your photographs to:

scotland@buglife.org.uk

Please use the subject 'STONEFLY' and include the following information:

- Your name
- Photograph date
- River name
- Location (grid reference if possible)

You can also tweet your photo and information to @BuglifeScotland

Photo credits: Gus Jones and Stewart Taylor

Electrogena affinis



Adicella filicornis







Dramatic increase in numbers of living people who have knowingly seen this alive In the UK 1975 (1) 1985 (2) 2014 (3) 2018 (6)

Ylodes simulans



Riverfly Recording Schemes Annual meeting

- 2016 Windermere
- 2017 Rowardennan
- 2018 Wyre Forest
- 2019 Malham











Increase recording by improving identification resources

More and better quality

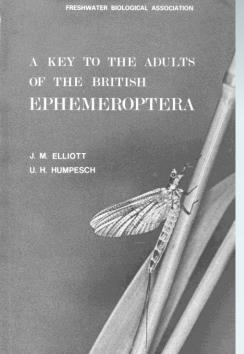


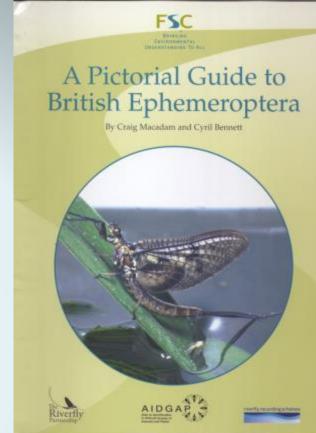


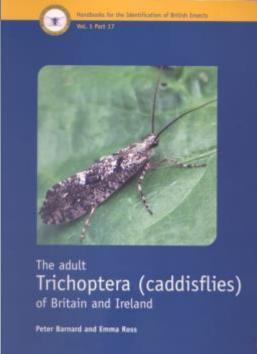
MAYFLY LARVAE (EPHEMEROPTERA) OF BRITAIN AND IRELAND:

Keys and a Review of their Ecology

J. M. ELLIOTT U. H. HUMPESCH









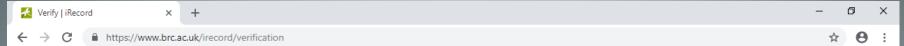


Test Guide to Identifying Caddis Adults

For use with photographs and live specimens

by

Ian Wallace and Sharon Flint, assisted by Peter Flint

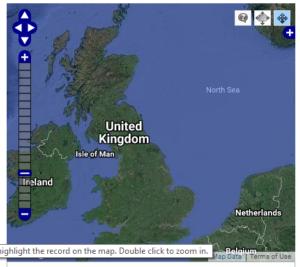


Home Record Explore Activities Summarise Verify Forum Help

Home » Verify

Verify

ecc	ords Lo	Select						a filter [I			
	ID	Source ID	Species	Common name	Site name	Original grid ref	Date	Recorder	Images	Auto check	Last updated
	※ 3006074	23 42	Limnephilus lunatus		Fair View, Cleeton Lane, Skipsea, East Yorkshire, YO25 8SR	TA16945524	26/09/2018	McWilliam, Stephen			27/09/2018 18:51
) 3005947	23 42	Limnephilus Iunatus		Fair View, Cleeton Lane, Skipsea, East Yorkshire, YO25 8SR	TA16945524	25/09/2018	McWilliam, Stephen			27/09/2018 18:40
	3 005813	23 42	Limnephilus lunatus		Fair View, Cleeton Lane, Skipsea, East Yorkshire, YO25 8SR	TA16945524	22/09/2018	McWilliam, Stephen		P	27/09/2018 18:14
	럋 3001568	23 42	Limnephilus Iunatus		Churchill Avenue Garden	SP817122	26/09/2018	Clark, Ryan		P	Click the ro
	≥ 8000244	23 42	Halesus radiatus		Treshnish House, outbuildings	NM352485	14/09/2006	Prasad, Anand		Q	26/09/2018 19:15
	≵ 8000231	23 42	Anabolia nervosa		Treshnish Old Schoolhouse	NM356486	01/05/2007	Prasad, Anand	9	Q (<u>0</u>	26/09/2018 19:10
	्ट्रें 7997797	23 42	Limnephilus affinis		Sandown Levels	SZ606852	12/05/2018	Wildlife, iWatch		P	26/09/2018 14:20
	2 7997796	23 42	Grammotaulius nigropunctatus		Sandown Levels	SZ606852	12/05/2018	Wildlife, iWatch		Q @	26/09/2018 14:20
5	्ट्रें 7997795	23 42	Glyphotaelius pellucidus		Sandown Levels	SZ606852	12/05/2018	Wildlife, iWatch			26/09/2018 14:20
5	in in	23 42	Limnephilus		Garden,	SP807101	19/09/2018	Rankin,		P	25/09/2018



You can:

- · Select the records to include in the list of records to verify using the drop-down box above the grid.
- · Filter the list of records by using the Create a filter button and save filters for future use.
- · Click on a record in the grid on the left to view the
- · When viewing the record details, verify, reject, query or email the record details for confirmation.
- When viewing the record details, view and add comments on the record.
- · Click on media files in the grid or on the record details Media tab to review the original file and check the record's identification.
- · Use the ... button to the left of each record to view bulk-verification options for similar records.
- Use the Review grid button above the grid to apply changes to all the records loaded in the grid in one step.
- · Use the Review tick list button above the grid to apply changes to a selection of records from the grid in one step.















Electrogena affinis



Electrogena affinis is one of the rarest mayfly species in Great Britain. It is found in a single catchment where it has a very limited distribution. This factsheet has been produced to provide information on this species and the threats that it faces.

Identification

There are two species of Electrogena known from the UK. Electrogena affinis is a species of lowland watercourses whereas E. lateralis is more typical of faster flowing watercourses in the middle to upper catchment. Fresh specimens of Electrogena affinis can be readily separated from E. lateralis by the presence of light patches on along the front of the head (figure 1). In E. lateralis the front of the head is uniformly coloured.



Further features to separate the species are found on the leg (figure 2). The tarsal claw of E. affinis has between two to five small teeth (figure 3); E. lateralis only has a single tooth. The ventral edge of the femur has a fringe of fine setae in E. affinis; in E. lateralis there are only a few isolated setae.



Figure 2: Middle leg of Electrogena affinis

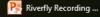


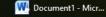












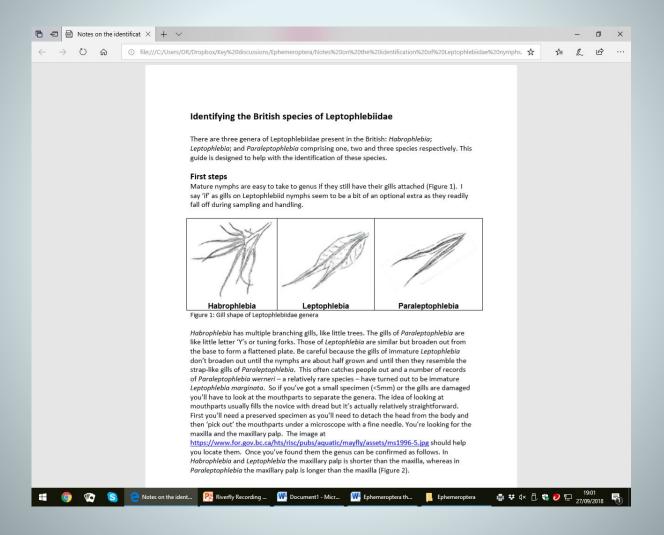








Improvements to the higher level keys too



DNA profile of species

Modern collection of pure ethanol preserved specimens of freshwater species being assembled at NHM by Ben Price

- Almost complete coverage for Mayflies and Stoneflies
- Underway for caddis

Future for Riverfly Recording in UK

- Increase in recording
- More accurate records
- Profile of riverflies increased
- More recorders

Money requested for:

- Annual meeting
- Recording apps and paper things too
- Training to get more verifiers