



Verification – the key to quality

Craig Macadam – Conservation Director

www.buglife.org.uk
[@buzz_dont_tweet](https://twitter.com/buzz_dont_tweet)



Who is Buglife?

We are the only organisation in Europe concerned with the conservation of ALL invertebrates.



Our aim is to halt invertebrate extinctions and achieve sustainable populations of invertebrates in the UK.



Inspiring others



Practical conservation



Shaping policy



Raising awareness

riverfly recording schemes



- Act as 'champions'
- Produce identification guides
- Provide training opportunities
- Encourage recording
- Research and Conservation



Ephemeroptera (Mayflies)



Trichoptera (Caddisflies)

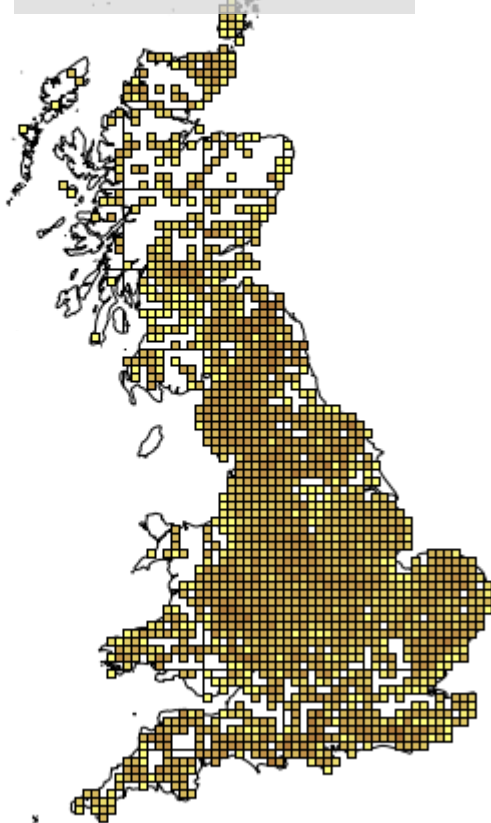


Plecoptera (Stoneflies)

Riverfly Recording Schemes

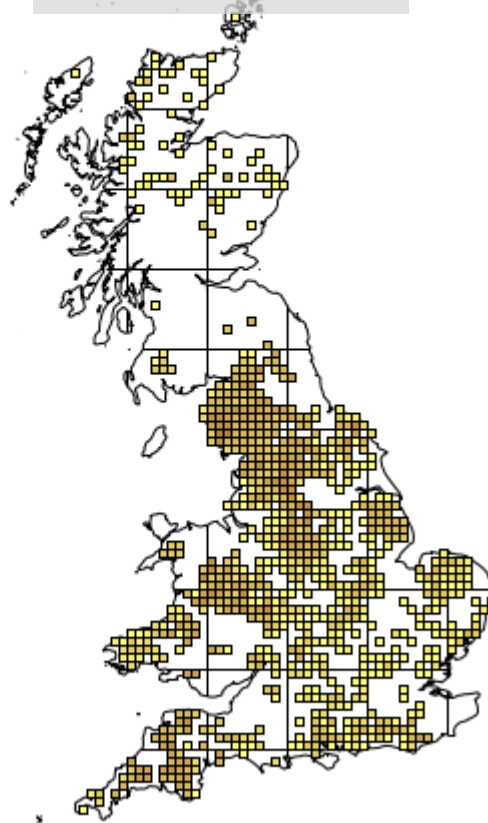
Ephemeroptera

Est. 2000
51 species
c. 210,000 records



Plecoptera

Est. 2003
34 species
c. 66,000 records



Trichoptera

Est. 1976
199 species
c. 380,000 records



What is verification?

verification

/ˌvɛrɪfɪˈkeɪʃ(ə)n/

noun

1. the process of establishing the truth, accuracy, or validity of something.
2. the establishment by empirical means of the validity of a proposition.



False facts are highly injurious to the progress of science, for they often endure long

Charles Darwin, 1871

To kill an error is as good a service as, and sometimes even better than, the establishment of a new truth or fact

Charles Darwin, 1880







NATIONAL BIODIVERSITY NETWORK ACTION PLAN

2016 - 2020



Objective 1A

1. Increase verification capacity through establishment of a UK Verification Network to share best practice, celebrate success and recruit new verifiers
6. Maintain and improve NBN Record Cleaner rule sets and identify quality of records across all NBN systems






Enter a casual record

Date:  *


Select the date of the record.

Recorder Name:  *

Please add the recorder's name, if it is not already shown, using the format "Surname, First name"

Species:  *


Enter the species name using * as a wildcard

Certainty: 


How certain of this identification are you?

Quantity: 

Provide an indication of the abundance

Sex: 

Please indicate the sex of the organism, if recorded.

Stage: 

Please indicate the life stage of the organism, if recorded.

Identified By: 


If anyone helped with the identification please enter their name here

Photos




[Home](#) » [Record](#) » Enter a casual record


Enter a casual record

Date:  *


Select the date of the record.


Recorder Name:  *

Please add the recorder's name, if it is not already shown, using the format "Surname, First name"


Species:  *

Mayfly (Ephemeroidea) -
Ephemeroidea
insect - mayfly
(Ephemeroidea)


Certainty: 

Quantity: 

Provide an indication of the abundance

Sex: 

Please indicate the sex of the organism, if recorded.

Stage: 

Please indicate the life stage of the organism, if recorded.

Identified By: 

If anyone helped with the identification please enter their name here

Photos

Context: Mayfly+Stonefly; Macadam, Craig

Filter:

Select filter...

Apply

Reset

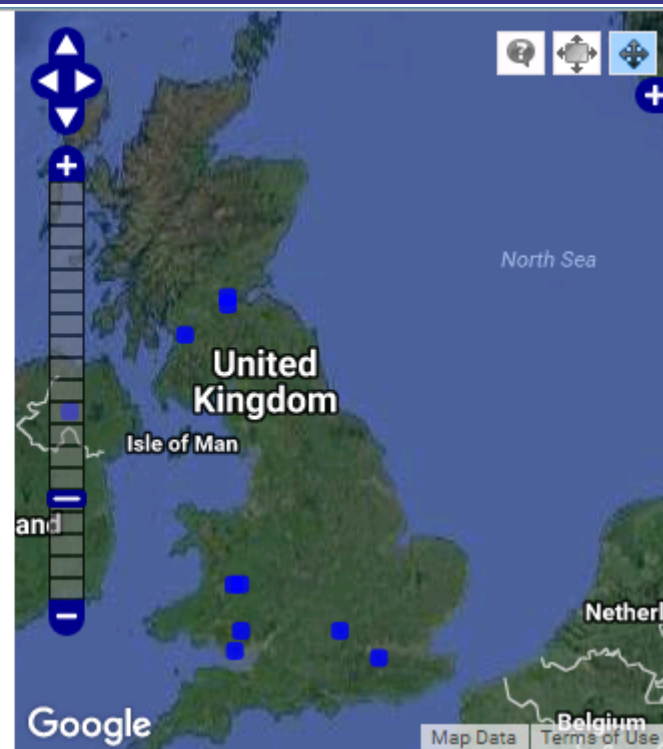
Create a filter

Review grid

Review tick list

Records Log

	ID	Species	Common name	Grid ref	Date	Last updated	Recorder	Auto check
▼		Ephemeraidae						
+								
...	4050434	Ephemeraidae		H6279	17/09/2016	17/09/2016 20:55	Brown, Peter	✓
+								
...	3994831	Ephemeraidae		NT005775	01/06/2001	05/09/2016 15:50	Scotland, Historic	✓
+								
...	3596509	Ephemeraidae		TQ261686	04/06/2016	04/07/2016 21:40	Vingoe, M J	✓
+								
...	3461206	Ephemeraidae		SO172085	23/06/2016	24/06/2016 17:21	Phoebe & Candice,	✓
+								
...	3188893	Ephemeraidae		SP671059	22/05/2016	23/05/2016 14:14	Coates, Andy	✓
+								
...	3188801	Ephemeraidae		NT002873	23/05/2016	23/05/2016 14:05	, Murray and Margaret Baird	✓
+								
...	3183317	Ephemeraidae		NS438397	21/05/2016	22/05/2016 09:40	Dickens, Kate	✓
+								
...	3084885	Ephemeraidae		SO09807544	24/04/2016	28/04/2016 12:23	Chavez-Brandon, Cecilia	✓
+								
...	3073012	Ephemeraidae		SO185712	31/03/2016	23/04/2016 15:30	Chavez-Brandon, Cecilia	✓



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 details.
- When viewing the record details, verify, reject, query or email the record details for



Enter a casual record

Date:  *


Select the date of the record.

Recorder Name:  *

Please add the recorder's name, if it is not already shown, using the format "Surname, First name"

Species:  *


Enter the species name using * as a wildcard

Certainty: 


How certain of this identification are you?

Quantity: 

Provide an indication of the abundance

Sex: 

Please indicate the sex of the organism, if recorded.

Stage: 

If recorded.

Identified By: 

If anyone helped with the identification please enter their name here

not recorded
adult
pre-adult
other

Photos

[Add photo](#)

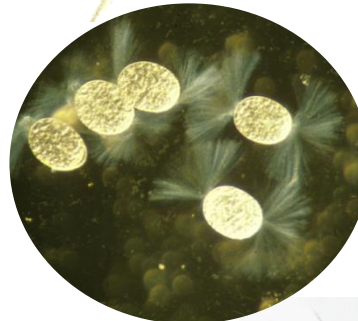


Adult or pre-adult?

Adult



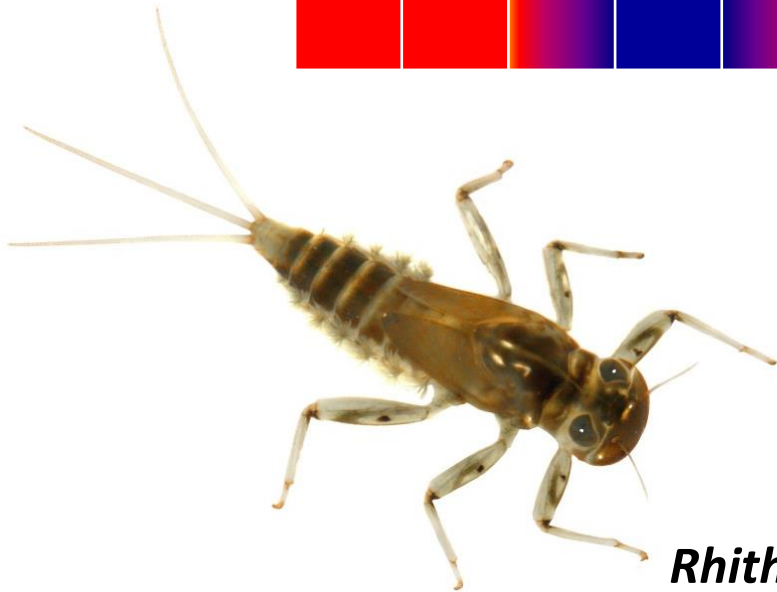
Pre-adult



Why is this important?



Rhithrogena germanica



Rhithrogena semicolorata



Results of automated checks



Record passes all automated verification tests



~~Record is of a species which is difficult to identify~~



~~Record falls outside the species seasonal range~~



Record falls outside the species geographic range



Record falls outside the species historical range (first and last year recorded)

Identification of different life stages have varying degrees of difficulty

Most species occur throughout the year at some life stage

Picture worth a thousand words?

Verify | iRecord

www.brc.ac.uk/irecord/verification

Home Record Explore Summaries Verify Download Forum How do I ...?

Home » Verify


Verify

New report

Context: Mayfly+Stonefly; Macadam

Review grid Review tick list

ID	Date	Species
3099405	23/42	Leuctra m...
3099399	23/42	Brachypter...
3099394	23/42	Brachypter...
3099381	23/42	Leuctra ge...
3099379	23/42	Dinocras cephalotes
3095965	23/42	Habrophlet...
3095964	23/42	Rhithrogena semicolorata
3095963	23/42	Baetis rhod...
3095953	23/42	Baetis vern...
3095952	23/42	Baetis rhod...
3095886	23/42	Baetis rhod...
3095885	23/42	Taeniopteryx nebulosa
3095884	23/42	Ecdyonurus venosus
3095853	23/42	Ephemera
3095852	23/42	Ecdyonurus torrentis
3095851	23/42	Paraleptophlebia



Record ID: 3099379
Submitted on: 2016-05-02 19:02:25

96%

21:27

Picture worth a thousand words?



06/05/2016

Importance of verification

Paraleptophlebia weneri





Any questions?

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