





From Riverfly to 'Lakefly' Trine Bregstein

History of the partnership



ASSOCIATION

Riverflies – what are they?



Up-wing flies (Mayflies) Ephemeroptera







Trichoptera







Stoneflies Plecoptera





The 8 RMI groups

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Methodology

Invertebrate sampling involves kick sampling and hand searching of larger stones, the river is then scored based on the presence/abundance of different invertebrate groups, scored on pollution sensitivity.











Abundance	Score	Estimated Number
1-9	1	Quick Count
10-99	2	Nearest 10
100-999	3	Nearest 100
1000+	4	Nearest 1000

Simplified version of **BMWP** monitoring





Monitoring



RMI

8 groups





Urban

14 groups



How the partnership works



Case studies – past and present





FRESHWATER

BIOLOGICAL ASSOCIATION



Current stats and looking to the future

In 2022 to 2023 (1/4/22 to 31/3/23) Riverfly volunteers:

- •uploaded 4253 survey records to the database
- •461 active samplers
- •850 sites monitored across 355 rivers and 103 catchments
- •224 trigger level alerts (indicating a possible pollution impact) passed on







44,332 total records in the database

309 monthly records 3168 total sites -70 hubs (>250 groups)



Making sure that people count at the heart of rivers' recovery







How to get involved



Follow us on socials, X (formerly Twitter), Facebook and Instagram. Send us an email to info@riverflies.org, tell us where you are so we can link you with your nearest hub.





LAKEFLY - how you can help

Can the Riverfly model be used as the basis for a standing waters citi-sci project to provide an early warning system for environmental degradation or acute pollution events?

What should be looked at? Macro invertebrates, macrophytes? Hydrogeomorphology? Naturalness? Water quality sampling? Amphibians? How to assess a whole lake?



Send an email to <u>RDavies@fba.org.uk</u>



